



INTERNATIONAL CONGRESS 2022

BARCELONA Spain, 4 - 6 September

PROGRAMME

Pre-congress content	Session	00:00 - 00:20
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Professional development: Lung Cancer: Improving discussions about the resuscitation status

Aims : To offer attendees the opportunity to develop the following skills: To discuss options with patients and support informed decision making throughout the entire pathway; to manage patients' and families' resuscitation expectations throughout the pathway; To address emotional factors impacting on resuscitation decisions

Target audience : Physician in Pulmonary Training, Nurse

Chairs : Georgia Hardavella (Athens, Greece), Anne-Claire Toffart (Grenoble, France)

Patient testimonial

Merel Hennink (Groningen, Netherlands)

Presenting information about 'not for resus' status: The oncologist's/lung cancer specialist's perspective

Georgia Hardavella (Athens, Greece)

Presenting information about 'not for resus' status: The intensivist's perspective

Stefano Nava (Bologna (BO), Italy)

Oncologist and intensivist join forces – How to deliver the conversation together as an MDT (complementary roles)

Anne-Claire Toffart (Grenoble, France)

Communicating the withdrawal of care - Tips to minimize the psychological impact on patient and carer

Yves Libert (Brussels, Belgium)

Pre-congress content	Session	00:00 - 00:20
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Professional development: Time to team up! Shared decision making in the pulmonary paediatric care

Aims : 1) To describe the process of shared decision making in an academic children's hospital;
2) To show the experience of both patients, parents and medical professionals in shared decision making;
3) To emphasize the effect of shared decision making on patient and therapy adherence;
4) Provide tips and tricks in shared decision making, based on patient and professional experience.

Chairs : Martijn Den Dekker (Rotterdam, Netherlands)

Time to team up! Shared decision making in the pulmonary paediatric care

Martijn Den Dekker (Rotterdam, Netherlands), Patricia Kalkman (Rotterdam, Netherlands)

Pre-congress content	Session	00:00 - 00:20
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Year in review: Biologics in asthma: do we need so many and who do we miss?

Aims : to summarize the immunology of asthma, the cytokines or receptors currently targeted, the possible mechanisms of sub-optimal responses, and the importance of determining the immune make-up of individual patients prior to prescribing mAb therapy, in the age of precision medicine for asthma.

Disease(s) : Airway diseases

Method(s) : Cell and molecular biology General respiratory patient care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Paediatrician, Patient, Physician in Pulmonary Training, Scientist (basic, translational), Journalist

00:00 Biologics in asthma: do we need so many and who do we miss?

Guy Brusselle (Ghent, Belgium)

Pre-congress content	Session	00:00 - 00:20
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Year in review: Treatable traits in COPD rehabilitation

Aims : Chronic obstructive pulmonary disease (COPD) is a heterogenous and complex disease with respiratory and extrapulmonary characteristics (also known as treatable traits). Identification and treatment based on treatable traits in multiple settings may ensure for a greater personalized approach in COPD treatment including pulmonary rehabilitation both in stable phase and acute exacerbations. Emerging evidence suggests that treatable traits model (based on symptoms beyond dyspnea and physical, emotional and social manifestations) may improve relevant outcomes in patients with COPD. Interdisciplinary pulmonary rehabilitation may improve treatable traits and ensure more personalized approach for the treatment of COPD.

Disease(s) : Airway diseases**Method(s) :** Pulmonary rehabilitation**Tag(s) :** Clinical**Target audience :** Clinical researcher, General practitioner, Physician in Pulmonary Training**00:00** **Treatable traits in COPD rehabilitation**
Alda Sofia Pires De Dias Marques (Aveiro, Portugal)**Pre-congress content** **Session** **00:00 - 00:20****Year in review: The positive downside of COVID pandemic on advances in thoracic surgery in 2021**

Aims : to present the evolution of minimally invasive surgery for complex and extended lung resections during COVID pandemic; The advances in anaesthesiologic techniques has brought to perform non-intubated video-assisted thoracoscopic surgery under combination of erector spinae plane block and thoracic paravertebral block. Comparative efficacy of stereotactic body radiotherapy (SBRT) and surgery in the treatment of patients with non-small cell lung cancer (NSCLC) remains a hot topic in thoracic oncology. Immune checkpoint inhibitors in metastatic NSCLC are being rapidly tested in clinical trials for the treatment of early-stage NSCLC in combination with surgery. The care of patients with surgically resectable epidermal growth factor receptor-mutated lung adenocarcinomas shows the deep collaboration between medical and surgical thoracic oncology in the neoadjuvant setting. In lung transplantation the available pool of donor lungs could be expanded, using ex-vivo lung perfusion (EVLP). Shorter length of stay following minimally invasive thymectomy for stage I through III thymoma, compared with open thymectomy, without increased rates of margin positivity, perioperative morbidity, or decreases in overall survival has been demonstrated.

Disease(s) : Respiratory critical care Thoracic oncology**Method(s) :** Endoscopy and interventional pulmonology Pulmonary function testing Surgery**Tag(s) :** Clinical**Target audience :** Medical Student, Nurse, Respiratory critical care physician, Pathologist, Radiologist, Respiratory physiotherapist, Thoracic oncologist, Thoracic surgeon**00:00** **The positive downside of COVID pandemic on advances in thoracic surgery in 2021**
René Horsleben Petersen (Copenhagen, Denmark)**Pre-congress content** **Session** **00:00 - 00:20****Year in review: Obstructive sleep apnea associated with different pulmonary comorbidities****Disease(s) :** Airway diseases Sleep and breathing disorders Thoracic oncology**Method(s) :** General respiratory patient care**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Technical Assistant, Nurse, Respiratory critical care physician, Thoracic oncologist**00:00** **Obstructive sleep apnea associated with different pulmonary comorbidities**
Walter McNicholas (Dublin, Ireland)**Pre-congress content** **Session** **00:00 - 00:20****Year in review: Antibiotics in lower respiratory tract infections in children****Antibiotics for CAP: how much, how long?**

Aims : Respiratory tract infections are extremely frequent in (young) children and are amongst the key reasons for outpatient clinic and ER visits, and hospital admissions.

It is not always easy to differentiate between uncomplicated lower respiratory tract infection and community acquired pneumonia and between viral and bacterial infections. Frequently antibiotics are prescribed, which may always be useful and may cause increased antibiotic resistance.

Recently, 2 RCT on antibiotic use in lower respiratory tract infections and CAP in children addressed the question if antibiotics are useful (for lower RTI) and if prescribed (in case of suspicion of CAP) what would be the best dose and duration of treatment. In this year in review recent literature, including these 2 RCTS, will be discussed.

Disease(s) : Paediatric respiratory diseases**Method(s) :** Epidemiology General respiratory patient care**Tag(s) :** Clinical**Target audience :** Clinical researcher, Medical Student, Paediatrician**00:00** **Antibiotics in lower respiratory infections in children**
Speaker to be confirmed

Pre-congress content Session 00:00 - 00:20

Year in review: Air pollution and interstitial lung diseases

Aims : to describe the association between air pollution and various diseases and research on the topic; To understand how air pollution actually impacts health by modulating several important cellular functions; to present some recently, discovered evidence about air pollution-induced epigenetic changes, which are linked with the aetiology of various human diseases. Among several epigenetic modifications, DNA methylation represents the most prominent epigenetic alteration underlying the air pollution-induced pathogenic mechanism. Several other types of epigenetic changes, such as histone modifications, miRNA, and non-coding RNA expression, have also been found to have been linked with air pollution.

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Scientist (basic, translational), Journalist

00:00 **Air pollution and interstitial lung diseases**
Katerina Antoniou (Heraklion, Greece)

Pre-congress content Session 00:00 - 00:20

Year in review: Confocal endomicroscopy in thoracic malignancy: seeing is believing?

Aims : to summarize recent, cutting edge data on live, intra procedure endoscopic imaging as related to thoracic oncology. The novel area of confocal endomicroscopy is opening potential "live assessment" of tissues at the microscopic level, and with parallel developments in thoracic intervention, the possibility of better diagnostics, targeted biopsy and potentially treatment.

This technique has been used in the diagnosis of pulmonary nodules at navigation bronchoscopy, mediastinal lymph node sampling in possible lung cancer and in pleural disease / mesothelioma.

As data emerges, this technique promises to be a new procedures to enrich diagnostic algorithms in Thoracic Oncology

Disease(s) : Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology Imaging Palliative care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Radiologist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon

00:00 **Confocal endomicroscopy in thoracic malignancy - seeing is believing?**
Jouke T. Annema (Amsterdam, Netherlands)

Pre-congress content Session 00:00 - 00:20

Year in review: Pre-clinical discovery and testing of new approaches to lung repair

Aims : to provide an overview of some key recent publications that have identified and tested novel therapeutic targets in pre-clinical models. A variety of pulmonary diseases will be covered. Hereby the clinical audience can foresee and debate potential of translation into the clinical and receive insight into novel strategies taken in the laboratory to identify and test targets. Studies can serve as examples for basic and translational scientists and can instigate further mechanistic research.

Disease(s) : Airway diseases Interstitial lung diseases Paediatric respiratory diseases

Method(s) : Cell and molecular biology

Tag(s) : Basic science

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Paediatrician, Physician in Pulmonary Training, Scientist (basic, translational)

00:00 **Pre-clinical discovery and testing of new approaches to lung repair**
Reinoud Gosens (Groningen, Netherlands)

Pre-congress content Session 00:00 - 00:20

Year in review: The transforming growth factor beta/BMP axis in pulmonary arterial hypertension: from screening to treatment

Aims : to provide an overview of recent insights into the role of the TGFbeta/BMP signaling axis in the pathophysiology and management of pulmonary arterial hypertension. This will encompass new molecular insights, developing knowledge around genetic testing and screenings, and new possibilities for targeted treatment

Disease(s) : Pulmonary vascular diseases

Method(s) : Cell and molecular biology

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Physician in Pulmonary Training, Scientist (basic, translational)

00:00 **The transforming growth factor beta/BMP axis in pulmonary arterial hypertension: from screening to treatment**
Harm Jan Bogaard (Amsterdam, Netherlands)

Pre-congress content **Session** **00:00 - 00:20**

Year in review: What is new in tuberculosis: from prevention to treatment

Aims : to present new achievements in tuberculosis diagnostics, new drugs and new regimens, biomarkers and the use of artificial intelligence in clinical trials.

Disease(s) : Paediatric respiratory diseases Respiratory critical care Respiratory infections

Method(s) : Epidemiology General respiratory patient care Public health

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Journalist

00:00 **What is new in tuberculosis: from prevention to treatment**
Christoph Lange (Borstel, Germany)

Pre-congress content **Session** **00:00 - 00:20**

Year in review: Health effects of novel tobacco and nicotine products

Aims : to present research and studies on health effects of using electronic nicotine delivery systems (ENDS) and heated tobacco products (HTP); to start a discussion on changes in the tobacco products related policies and regulations.

Disease(s) : Airway diseases

Method(s) : Epidemiology

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Paediatrician, Physician in Pulmonary Training

00:00 **Health effects of novel tobacco and nicotine products**
Elif Dagli (Istanbul, Turkey)

Pre-congress content **Session** **00:00 - 00:20**

Year in review: The emerging role of helmet noninvasive ventilation in treatment of patients with acute hypoxemic failure

Aims : to provide an update on the role of helmet CPAP and helmet NIV in treatment of patients with acute hypoxemia failure. At the end of this presentation audience will be familiar with the indication for helmet CPAP and Helmet NIV and the optimal way to use the helmet in patients with acute hypoxemia failure.

Disease(s) : Respiratory critical care Respiratory infections

Method(s) : General respiratory patient care Physiology Respiratory intensive care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Respiratory critical care physician, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

00:00 **The emerging role of helmet noninvasive ventilation in treatment of patients with acute hypoxemic failure**
Domenico Luca Grieco (Rome, Italy)

Pre-congress content **Session** **00:00 - 00:20**

Year in review: Treatment of cT1 lung cancer: novel perspectives

Aims : to discuss the different treatment options for cT1 lung cancer: surgical segmentectomy, bronchoscopic ablation of lung tumour including robotic bronchoscopic, stereotactic ablative radiotherapy (SABR); to discuss leaving the concept of lobectomy and opt for segmentectomy?; to discuss if the focus should be on non-invasive stereotactic radiotherapy or should patients be treated bronchoscopically?

Disease(s) : Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology Imaging Surgery

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Medical Student, Thoracic oncologist, Thoracic surgeon

00:00 Treatment of cT1 lung cancer: novel perspectives
Felix J.F. Herth (Heidelberg, Germany)

Pre-congress content **Session** **00:00 - 00:20**

Year in review: Preserved ratio impaired spirometry (PRISm): recent insights and clinical implications

Learn about the most recent and clinically relevant insights in subjects with preserved ratio impaired spirometry (PRISm)

Aims : to update the audience about the epidemiology, temporal stability and long-term health outcomes of the lung function trait PRISm (preserved ratio impaired spirometry). Secondary, for those that are not yet familiar with PRISm, the definition of this condition will be introduced and the associations between PRISm, respiratory symptoms and the chronic obstructive pulmonary disease (COPD) will be highlighted. Also, the audience will learn about the relationship between PRISm and extrapulmonary comorbidities and about latest insights into the long-term lung function trajectories of PRISm.

Disease(s) : **Airway diseases**

Method(s) : Epidemiology General respiratory patient care Pulmonary function testing

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Patient, Physician in Pulmonary Training, Physiologist, Scientist (basic, translational), Journalist

00:00 Preserved ratio impaired spirometry (PRISm): recent insights and clinical implications
Yunus Çolak (Herlev, Denmark)

Pre-congress content **Session** **00:00 - 00:20**

**Statements and technical standards: Syndrome of combined pulmonary fibrosis and emphysema
ATS/ERS/JRS/ALAT research statement**

Aims : to identify the syndrome of combined pulmonary fibrosis and emphysema (CPFE) and recognise the main pathophysiology components. Participants will be able to identify the main clinical, radiological, functional and pathological features characteristic of CPFE and distinguish it from idiopathic pulmonary fibrosis. They will be able to choose the best management options based on recent evidence, and to individualise the monitoring of this condition through an improved understanding of the comorbidities and the risk of complications, especially pulmonary hypertension.

Disease(s) : **Interstitial lung diseases** **Pulmonary vascular diseases** **Thoracic oncology**

Method(s) : Epidemiology Imaging Pulmonary function testing

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Pathologist, Physiologist, Radiologist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon

00:00 Syndrome of combined pulmonary fibrosis and emphysema
Vincent Cottin (Lyon, France)

Pre-congress content **Session** **00:00 - 00:20**

**Statements and technical standards: ERS/ATS updated pulmonary function test interpretation
technical standard**

Aims : to summarise the recommendations for pulmonary function test (PFT) interpretation; to explain the uncertainty in PFT interpretation; to review the changes from the 2005 interpretation standards.

Disease(s) : **Airway diseases** **Paediatric respiratory diseases**

Method(s) : Epidemiology Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Paediatrician, Physician in Pulmonary Training, Physiologist, Respiratory therapist

00:00 ERS/ATS updated pulmonary function test interpretation technical standard
Sanja Stanojevic (Halifax (NS), Canada)

Pre-congress content **Session** **00:00 - 00:20**

**Statements and technical standards: ERS technical standards for scoring respiratory events using
Type III devices for the diagnosis of sleep disordered breathing in adults and children**

Aims : to present an update on the use of Type III devices for investigating sleep disordered breathing in children and adults with discussion of the advantages, limitations and research needs in each of the following areas: 1. technical specifications for Type III devices, 2. scoring criteria for sleep-related breathing disturbances using Type III devices, 3. utility of Type III devices compared with polysomnography (PSG) for investigating sleep disordered breathing in adults, 4. Type III devices for diagnosing sleep disordered breathing in children, 5. patient perspective.

Disease(s) : Sleep and breathing disorders

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist

00:00 **ERS technical standards for scoring respiratory events using Type III devices for the diagnosis of sleep disordered breathing in adults and children**
Renata L. Riha (Edinburgh (Edinburgh), United Kingdom)

Pre-congress content Session 00:00 - 00:20

Statements and technical standards: ERS statement for defining respiratory exacerbations in children and adolescents with bronchiectasis for clinical trials

Aims : to explain the burden and effect of pulmonary exacerbations in children and adolescents with bronchiectasis; to describe the importance of exacerbations in children and adolescents with bronchiectasis; to list the recommendations for defining severe and nonsevere exacerbations for clinical trials, and how these differ from those for clinical care.

Disease(s) : Airway diseases Paediatric respiratory diseases Respiratory infections

Method(s) : Epidemiology General respiratory patient care

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Paediatrician, Patient, Physician in Pulmonary Training, Respiratory physiotherapist

00:00 **ERS statement for defining respiratory exacerbations in children and adolescents with bronchiectasis for clinical trials**
Anne Bernadette Chang (Brisbane (QLD), Australia)

Pre-congress content Session 00:00 - 00:20

Statements and technical standards: ERS guidelines for the management of hospitalised patients with COVID-19

Aims : to discuss the latest recommendations from the ERS COVID-19 living guidelines; to review evidence for immunomodulatory, antiviral and anticoagulant treatments for COVID-19.

Disease(s) : Respiratory critical care Respiratory infections

Method(s) : General respiratory patient care Public health Respiratory intensive care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Patient, Physician in Pulmonary Training, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist

00:00 **ERS guidelines for the management of hospitalised patients with COVID-19**
James D. Chalmers (Dundee (Angus), United Kingdom)

Pre-congress content Session 00:00 - 00:20

Statements and technical standards: ERS statement on long COVID-19 follow-up

Aims : to identify optimal strategies for follow-up care that will positively impact the COVID-19 patient's quality of life who frequently experience symptom burden postacute infection or posthospitalisation; to review the consequences on quality of life, symptom burden, disability and home care follow-up; to answer eight clinical questions: 1. Are there features of the acute disease that predict long-term consequences? 2. Which follow-up strategies relate to thromboembolic events? 3. Which follow-up strategies relate to pulmonary physiology? 4. Which follow-up strategies relate to imaging? 5. Which follow-up strategies relate to infection control? 6. Which follow-up strategies relate to cognitive, psychological and quality-of-life consequences? 7. Which follow-up strategies relate to disability? 8. Which follow-up strategies relate to home care follow-up (telemedicine/telerehabilitation)?

Disease(s) : Interstitial lung diseases Pulmonary vascular diseases Respiratory infections**Method(s) :** General respiratory patient care Pulmonary function testing Pulmonary rehabilitation**Tag(s) :** COVID**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Patient, Physician in Pulmonary Training, Radiologist, Respiratory physiotherapist, Respiratory therapist**00:00 ERS statement on long COVID-19 follow-up**
Antonio Spanevello (Milano, Italy)**Pre-congress content Session 00:00 - 00:20****Statements and technical standards: The ERS core outcome set for clinical trials evaluating the management of COPD exacerbations****Aims :** Clinical trials evaluating the management of COPD exacerbations assess heterogeneous outcomes, often omitting those that are clinically relevant or more important to patients and health professionals. A core outcome set is a consensus-based minimum set of important outcomes that should be evaluated in all trials to improve their quality and comparability. This session will explain the importance of core outcome sets, and will describe the ERS COPD exacerbations core outcome set and how it was developed.**Disease(s) :** Airway diseases Respiratory infections**Method(s) :** Epidemiology General respiratory patient care Public health**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Patient, Physician in Pulmonary Training, Respiratory physiotherapist**00:00 The ERS core outcome set for clinical trials evaluating the management of COPD exacerbations**
Alexander Mathioudakis (Stockport, United Kingdom)**Pre-congress content Session 00:00 - 00:20****Statements and technical standards: Main highlights in the management of pleural infection**
ERS/ESTS 2022 clinical statement on the management of pleural infection**Aims :** to discuss the main highlights of the 2022 clinical statement on the management of pleural infection**Disease(s) :** Respiratory infections**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician**00:00 Main highlights in the management of pleural infection**
Eihab Bedawi (Oxford (Oxfordshire), United Kingdom)**Pre-congress content Session 00:00 - 00:20****Clinical Research Collaboration: Lung disease in primary immunodeficiency**
eGLILDnet CRC**Aims :** to provide an update on lung disease in primary immunodeficiency; to consider the following: 1. the critical importance of excluding primary immunodeficiency in people presenting with acute and chronic respiratory illness, 2. the spectrum of primary immunodeficiency, 3. lung manifestations of primary antibody deficiency, 4. and granulomatous-lymphocytic interstitial lung disease: state of the art.**Disease(s) :** Interstitial lung diseases**Method(s) :** General respiratory patient care Imaging Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Pathologist, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Respiratory therapist**00:00 Lung disease in primary immunodeficiency**
John R Hurst (London, United Kingdom)**Pre-congress content Session 00:00 - 00:20****Clinical Research Collaboration: An ERS clinical research collaboration to advance research in alpha-1 antitrypsin deficiency**
EARCO CRC

Aims : to identify the main research projects under development by the European alpha-1 antitrypsin research collaboration (EARCO). EARCO was founded in 2018 with the objective of developing an international prospective registry of patients with AATD. The registry includes more than 1000 patients and has produced several manuscripts presenting the results of the research projects, such as the survey on unmet needs for research in AATD, the survey on criteria for augmentation therapy and the study on the impact of COVID-19 in patients with AATD. One of the objectives of the presentation is to attract new participants to the EARCO consortium.

Disease(s) : Airway diseases

Method(s) : Epidemiology General respiratory patient care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Patient, Scientist (basic, translational)

00:00 **ERS clinical research collaboration to advance research in alpha-1 antitrypsin deficiency**
Christian F. Clarenbach (Zürich, Switzerland)

Pre-congress content Session 00:00 - 00:20

Clinical Research Collaboration: Global Lung Function Initiative: Is it time for an update? GLI CRC: addressing the challenges of using ethnic specific reference equations

Aims : to review the rationale and recommendations for using multiethnic reference equations; to describe the potential challenges and bias that may be introduced if we normalise the effects of social disparities on lung function; to propose interim solutions to the interpretation of lung function test results.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : Epidemiology Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Paediatrician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

00:00 **Global Lung Function Initiative: Is it time for an update?**
Brendan Cooper (Edgbaston (Birmingham), United Kingdom)

Pre-congress content Session 00:00 - 00:20

Clinical Research Collaboration: Lessons learnt and updates from the CADSET clinical research collaboration CADSET CRC

Aims : To provide an overview of the lessons learnt and outputs of CADSET; to present a discussion with different highly involved CADSET members; to present the audience with the following specific learning outcomes: 1. challenges and benefits of large collaborative studies, views from early-career and well-established ERS researchers; 2. update on early life origins of chronic respiratory diseases; 3. early life spirometric phenotypes, prevalence and associated factors; 4. factors influencing lung function across the ages; 5. similarities and differences between asthma with fixed airflow limitation and COPD and 6. challenges ahead.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : Cell and molecular biology Public health Pulmonary function testing

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Respiratory critical care physician, Paediatrician, Physiologist, Scientist (basic, translational)

00:00 **Lessons learnt and updates from the CADSET clinical research collaboration**
Rosa Faner Canet (Barcelona, Spain)

Pre-congress content Session 00:00 - 00:20

Clinical Research Collaboration: Pulmonary haemodynamics during exercise: Research Network registry PEX-NET CRC

Aims : From a theoretical perspective, pulmonary haemodynamics during exercise may be suitable for detecting early forms of cardiac and pulmonary vascular disease. This concept is supported by data from several small studies. However, the prognostic and differential-diagnostic relevance and additive value of exercise vs. resting haemodynamics has not been evaluated in a large study. PEX-NET is an international registry with a retrospective and a prospective cohort, enrolling patients with exercise pulmonary haemodynamics. An international steering committee has defined the inclusion and exclusion criteria. Detailed clinical and haemodynamic data derived from clinically indicated exercise right heart catheterisations of patients with suspected or manifest pulmonary hypertension have been transferred into a central database. Participants of this session will learn how resting and exercise haemodynamics may affect survival, why this is important and what the open questions are. This will explain why a large study investigating the prognostic parameters was needed.

Disease(s) : Pulmonary vascular diseases**Method(s) :** Epidemiology Physiology Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Patient, Physiologist**00:00 Pulmonary haemodynamics during exercise: Research Network registry**
Gabor Kovacs (Graz, Austria)**Pre-congress content Session 00:00 - 00:20****Clinical Research Collaboration: Severe heterogeneous asthma research collaboration, patient-centred SHARP CRC****Aims :** to advertise severe heterogeneous asthma research collaboration (SHARP) as a research community to members of ERS and other congress participants; to increase awareness about the specific unmet needs of patients with severe asthma and the solutions that the research conducted by SHARP can provide; to ensure the following learning outcomes: What are the ambitions and strategy of the SHARP CRC? Who is involved? What are the key achievements of SHARP? How are patients involved in SHARP? What are the plans for the coming years in SHARP? How can you get involved in SHARP?**Disease(s) :** Airway diseases**Method(s) :** Cell and molecular biology Epidemiology General respiratory patient care**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist, Journalist**00:00 Severe heterogeneous asthma research collaboration, patient-centred**
Ratko Djukanovic (Southampton (Hampshire), United Kingdom)**Pre-congress content Session 00:00 - 00:20****Clinical Research Collaboration: EU-wide consensus of clinical experts and patients on key parameters to be measured during and after a severe exacerbation of COPD CICERO CRC****Aims :** to present the EU-wide consensus obtained from clinical COPD experts and patients on the key process and outcome parameters to be measured during and after a severe exacerbation requiring hospitalisation; to highlight and discuss the results obtained from the following: 1. the Delphi Expert Survey and 2. the ELF-CICERO Patient Survey; to help the congress participants understand, in the context of key process and outcome parameters in severe COPD exacerbations, the following issues: 1. the importance of an EU-wide consensus, 2. the necessity of complementing an expert clinical opinion with in-depth patient perspective, 3. the results obtained from the Delphi Expert and Patient Survey and 4. how the obtained results can improve the future management and patient outcomes of severe COPD exacerbations; to provide the opportunity for interested stakeholders to reference the accompanying publications and interact with the lead young investigators during the 2022 ERS congress.**Disease(s) :** Airway diseases Respiratory critical care Respiratory infections**Method(s) :** General respiratory patient care Pulmonary function testing Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Patient, Physician in Pulmonary Training, Respiratory therapist, Journalist**00:00 EU-wide consensus of clinical experts and patients on key parameters to be measured during and after a severe exacerbation of COPD**
Mona Bafadhel (London, United Kingdom)**Pre-congress content Session 00:00 - 00:20****Clinical Research Collaboration: Precision medicine for bronchiectasis EMBARC CRC****Aims :** to discuss the clinical and biological heterogeneity of bronchiectasis; to discuss recent data showing the overlap between bronchiectasis, COPD and asthma; to discuss recent data showing that there are different inflammatory subtypes of bronchiectasis that may require different treatments.

Disease(s) : Respiratory infections**Method(s) :** Cell and molecular biology Epidemiology General respiratory patient care**Tag(s) :** Translational**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Patient, Physician in Pulmonary Training, Respiratory physiotherapist, Scientist (basic, translational)**00:00 Precision medicine for bronchiectasis**
Eva Polverino (Barcelona, Spain)**Pre-congress content****Session****00:00 - 00:20****Clinical Research Collaboration: New understanding in the treatment of cough**
NEuroCOUGH CRC**Aims :** to provide an update of the initiatives of the NEuroCOUGH CRC and include the following topics: 1. the NEuroCOUGH initiative together with ERS & FIRS to relabel chronic cough (ICD-11 proposal), 2. the ERS CRC NEuroCOUGH clinic survey results, 3. the currently available and unpublished data from the NEuroCOUGH registry and 4. the interaction with industrial partners in facilitating the development of new chronic cough treatment options.**Disease(s) :** Airway diseases**Method(s) :** Epidemiology General respiratory patient care**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, General practitioner, Medical Student, Nurse, Patient, Physician in Pulmonary Training, Journalist**00:00 New understanding in the treatment of cough**
Lorcan McGarvey (Belfast, United Kingdom)

Zoom	Session	11:00 - 12:00
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Assembly members' meeting: Assembly 3: Basic and translational sciences

Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this [Zoom webinar link](#)

Chairs : Catherine Greene (Dublin 9, Ireland), Niki L. Reynaert (Maastricht, Netherlands), H. Irene Heijink (Groningen, Netherlands), Agnes Boots (Maastricht, Netherlands), Arnaud Mailleux (Paris, France), Niki Ubags (Epalinges, Switzerland)

No Room **Session** **10:30 - 16:00****Patient: ELF Patient organisation networking day 2022**

Aims : This event focused on self-management will help patient organisations explore how they can support their patient communities to self-manage their health conditions

Chairs : Kjeld Hansen (Oslo, Norway)

10:30	Session 1 Kjeld Hansen (Oslo, Norway)
10:50	Session 2 ERS President, Professor Marc Humbert ERS President-elect, Professor Carlos Robaldo Cordeiro Speaker to be confirmed
11:00	Session 3 - Keynote speakers
11:50	Break 1
12:05	Session 4 - Patient organisation talks
13:20	Lunch break
14:05	Session 5 - Breakout groups
15:05	Break 3
15:20	Session 6 - Plenary feedback
15:50	Session 7 - Closing words Kjeld Hansen (Oslo, Norway)

Zoom	Session	13:30 - 14:30
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Assembly members' meeting: Assembly 10: Respiratory infections

Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this [Zoom webinar link](#)

Chairs : Eva Polverino (Barcelona, Spain), Michael Loebinger (London, United Kingdom), Raquel Duarte (Porto, Portugal), Alberto Garcia-Basteiro (Maputo, Mozambique), Holly R. Keir (Dundee (Angus), United Kingdom)

Zoom	Session	13:30 - 14:30
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Assembly members' meeting: Assembly 14: Clinical techniques, imaging and endoscopy

Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this [Zoom webinar link](#)

Chairs : Jouke T. Annema (Amsterdam, Netherlands), Walter De Wever (Leuven, Belgium), El bieta Magdalena Grabczak (Warszawa, Poland), Mohammed Munavvar (Preston (Lancashire), United Kingdom), Ádám Domonkos Tárnoki (Budapest, Hungary), Christian B. Laursen (Odense, Denmark), Daniela Gompelmann (Vienna, Austria)

Zoom	Session	17:00 - 18:00
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Assembly members' meeting: Assembly 12: Interstitial lung diseases

Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this [Zoom webinar link](#)

Chairs : Katerina Antoniou (Heraklion, Greece), Michael Kreuter (Heidelberg, Germany), Karen Moor (Rotterdam, Netherlands), Marlies S. Wijsenbeek (Rotterdam, Netherlands), Elena Bargagli (Siena, Italy), Paolo Spagnolo (Padova (PD), Italy), Maria Molina Molina (Barcelona, Spain), Wim A Wuyts (Leuven, Belgium), Antoine Froidure (Bruxelles, Belgium), Marcel Veltkamp (De Meern, Netherlands), Cormac McCarthy (Dublin 4, Ireland)

Zoom	Session	11:00 - 12:00
Assembly members' meeting: Assembly 1: Respiratory clinical care and physiology		
Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this Zoom webinar link		
Chairs : Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Ioannis Vogiatzis (Blyth, United Kingdom), Frits M.E. Franssen (Horn, Netherlands), Shailesh Balasaheb Kolekar (Herlev, Denmark), Guido Vaghegini (Volterra (PI), Italy), Miguel Román Rodríguez (Palma De Mallorca, Spain), Vitalii Poberezhets (Vinnytsia, Ukraine), Sam Bayat (Grenoble, France), Thomas Gille (Bobigny, France)		
Zoom	Session	11:00 - 12:00
Assembly members' meeting: Assembly 2: Respiratory intensive care		
Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this Zoom webinar link		
Chairs : Leo Heunks (Amsterdam, Netherlands), João Carlos Winck (Vila Nova de Gaia, Portugal), Christian Karagiannidis (Cologne, Germany), Marieke L. Duiverman (Groningen, Netherlands), Maxime Patout (Paris, France)		
Zoom	Session	12:30 - 13:30
Assembly members' meeting: Assembly 4: Sleep disordered breathing		
Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this Zoom webinar link		
Chairs : Winfried J. Randerath (Solingen, Germany), Sophia E. Schiza (Heraklion, Greece), Manuel Sanchez De La Torre (Lleida, Spain), Dries Testelmans (Leuven, Belgium), Matteo Bradicich (Zollikerberg, Switzerland)		
Zoom	Session	12:30 - 13:30
Assembly members' meeting: Assembly 7: Paediatrics		
Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this Zoom webinar link		
Chairs : Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Alexander Möller (Zürich, Switzerland), Nicole Beydon (Paris, France), Angela Zacharasiewicz (Wien, Austria), Stojka Fustik (Skopje, North Macedonia), Marijke Proesmans (Leuven, Belgium), Anna Lavizzari (Milano (MI), Italy), Myrofora Goutaki (Bern, Switzerland), Dirk Schramm (Düsseldorf, Germany), Rory Morty (Heidelberg, Germany), Cristina Arduro-Garcia (Bern, Switzerland)		
Zoom	Session	14:00 - 15:00
Assembly members' meeting: Assembly 9: Allied respiratory professionals		
Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this Zoom webinar link		
Chairs : Daniel Langer (Leuven, Belgium), Jellien Makonga-Braaksma (Woudenberg, Netherlands), Karl Sylvester (Cambridge (Cambridgeshire), United Kingdom), Deniz Inal-Ince (Ankara, Turkey), Andreja Sajnic (Zagreb, Croatia), Joana Cruz (Leiria, Portugal)		
Zoom	Session	14:00 - 15:00
Assembly members' meeting: Assembly 6: Epidemiology and environment		
Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this Zoom webinar link		
Chairs : Charlotte Suppli Ulrik (Virum, Denmark), Ane Johannessen (Bergen, Norway), Om Prakash Kurmi (Coventry, United Kingdom), Rafael E. de la Hoz (New York, United States), Elif Dagli (Istanbul, Turkey), Orianne Dumas (Villejuif, France)		
Zoom	Session	14:00 - 15:00
Assembly members' meeting: Assembly 8: Thoracic surgery and transplantation		
Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this Zoom webinar link		
Chairs : Stefano Elia (Roma (RM), Italy), Federica Meloni (Pavia (PV), Italy), Marcello Migliore (Catania (CT), Italy), Robin Vos (Leuven, Belgium), Merel Hellemons (Rotterdam, Netherlands)		
Zoom	Session	15:30 - 16:30
Assembly members' meeting: Assembly 5: Airway diseases, asthma, COPD and chronic cough		

Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this [Zoom webinar link](#)

Chairs : Omar S. Usmani (London, United Kingdom), Apostolos Bossios (Stockholm, Sweden), Lena Uller (Lund, Sweden), Florence Schleich (Liège, Belgium), Marco Idzko (Wien, Austria), Carolina Maria Gotera Rivera (Madrid, Spain)

Zoom **Session** **15:30 - 16:30**

Assembly members' meeting: Assembly 11: Thoracic oncology

Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this [Zoom webinar link](#)

Chairs : Torsten Gerriet Blum (Berlin, Germany), Najib M. Rahman (Oxford, United Kingdom), Georgia Hardavella (Athens, Greece), Kevin Blyth (Glasgow (Glasgow), United Kingdom), Maria Joana Pereira Catarata (Porto, Portugal)

Zoom **Session** **15:30 - 16:30**

Assembly members' meeting: Assembly 13: Pulmonary vascular diseases

Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this [Zoom webinar link](#)

Chairs : Anton Vonk Noordegraaf (Amsterdam, Netherlands), Olivier Sitbon (Le Kremlin-Bicêtre, France), Silvia Ulrich (Zurich, Switzerland), Laurent Bertolotti (Saint Etienne Cedex, France), Mona Lichtblau (Zürich, Switzerland)

8D Session **08:00 - 10:20****Skills workshop: SW1 Exercise, muscle and sleep assessment and interpretation: tips and pitfalls**
Tips and pitfalls in exercise, muscle and sleep assessment

Aims : To describe “typical” patterns of responses to exercise, muscle and sleep and to determine methods to distinguish these responses from “anomalous” response profiles that can cause misinterpretation of test results.

Disease(s) : **Sleep and breathing disorders**

Method(s) : Imaging Physiology Pulmonary function testing Pulmonary rehabilitation Respiratory intensive care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Physician in Pulmonary Training, Physiologist, Respiratory critical care physician, Respiratory physiotherapist, Journalist

Chairs : Samuel Verges (Grenoble, France)

08:00 Introduction

08:00 Cardiopulmonary exercise testing: breathing patterns and dynamic hyperinflation
Pierantonio Laveneziana (Paris, France)

08:00 Respiratory and locomotor muscle testing in clinical practice
Daniel Langer (Leuven, Belgium)

08:00 From different pathophysiological traits revealed by polysomnography to treatment indications or combination of therapies
Manuel Sanchez De La Torre (Lleida, Spain)

08:00 Implementation, titration and follow-up of positive airway pressure in patients with obstructive sleep apnoea
Athanasia Pataka (Thessaloniki, Greece)

08:00-09:15

INDUSTRY EARLY MORNING SYMPOSIUM

SEE PAGE 1

08:00-08:45

INDUSTRY SKILLS LAB WORKSHOP

SEE PAGE 1

8E Session **08:00 - 19:30****OSCE examination : Thoracic ultrasound training programme Part 3 - OSCE examination**
OSCE

Chairs : Christian B. Laursen (Odense, Denmark), Najib M. Rahman (Oxford, United Kingdom), Jouke T. Annema (Amsterdam, Netherlands), Rahul Bhatnagar (Bristol, United Kingdom), Pia Iben Pietersen (Odense NØ, Denmark), Laurence M.M.J. Crombag (Amsterdam, Netherlands), Lars Konge (Virum, Denmark), Nick Maskell (Bristol (Avon), United Kingdom)

08:00 TUS Part 3 OSCE examination : Round 1

09:20 TUS Part 3 OSCE examination : Round 2

10:40 TUS Part 3 OSCE examination : Round 3

12:00 TUS Part 3 OSCE examination : Round 4

14:15 TUS Part 3 OSCE examination : Round 5

15:35 TUS Part 3 OSCE examination : Round 6

16:55 TUS Part 3 OSCE examination : Round 7

18:15 TUS Part 3 OSCE examination : Round 8

8L Session **08:15 - 09:30****Oral presentation: Early childhood risk factors for wheezing and later asthma**

Disease(s) : Airway diseases**Method(s) :** Epidemiology Public health Pulmonary function testing Cell and molecular biology General respiratory patient care Physiology**Chairs :** Sejal Saglani (London, United Kingdom), Christiane Lex (Goettingen, Germany)**Early food intervention and skin emollients to prevent preschool asthma**

Anine Lie (Bekkestua, Norway), Marissa Leblanc, Martin Färdig, Riyas Vettukattil, Sigve Ådalen, Ingebjørg Skrindo, Sabina Wärnberg Gerdin, Berit Granum, Hrefna Kathrin Gudmundsdottir, Gunilla Hedlin, Angela Hoyer, Christine Monceyron Jonassen, Björn Nordlund, Eva Maria Rehbinder, Anne Cathrine Staff, Cilla Söderhall, Sandra Ganrud Tedner, Hilde Aaneland, Karin Cecilie Lødrup Carlsen, Håvard Ove Skjerven

Identification of oropharyngeal microbiome-driven asthma and wheezing clusters in children

Mahmoud Ismael Abdel-Aziz (Amsterdam, Netherlands), Jonathan Thorsen, Simone Hashimoto, Susanne J. H. Vijverberg, Anne H. Neerinx, Paul Brinkman, Wim Van Aalderen, Jakob Stokholm, Michael Roggenbuck-Wedemeyer, Nadja Hawwa Vissing, Martin Steen Mortensen, Asker Daniel Brejnrod, Louise J. Fleming, Clare S. Murray, Stephen J. Fowler, Urs Frey, Andrew Bush, Florian Singer, Gunilla Hedlin, Björn Nordlund, Dominick E. Shaw, Kian Fan Chung, Ian M. Adcock, Ratko Djukanovic, Charles Auffray, Aruna T. Bansal, Ana R. Sousa, Scott S. Wagers, Bo Lund Chawes, Klaus Bønnelykke, Søren Johannes Sørensen, Aletta D. Kraneveld, Peter J. Sterk, Graham Roberts, Hans Bisgaard, Anke H. Maitland-Van Der Zee

Pollen exposure is associated with risk of respiratory symptoms during the first year of life

Jakob Usemann (Basel, Switzerland), Amanda Gisler, Marloes Eeftens, Kees De Hoogh, Danielle Vienneau, Yasmin Salem, Sophie Yammine, Julian Jakob, Olga Gorlanova, Fabienne Decrue, Regula Gehrig, Urs Frey, Philipp Latzin, Oliver Fuchs

Virus-specific airway immune response in early life is associated with childhood asthma

Mathias Elsner Melgaard (København S, Denmark), Bo Lund Krogsgaard Chawes, Signe Kjeldgaard Jensen, Jakob Stokholm, Ann-Marie Malby Schoos, Susanne Brix, Anders Eliassen, Casper-Emil Tingskov Pedersen, Hans Bisgaard, Klaus Bønnelykke

Viral co-detection in severe bronchiolitis and lung function, allergic sensitization and asthma prevalence in school-aged children

Maria Fernanda Gonzalez German (Madrid, Spain), Sara Ruiz-Gonzalez, Sonia Alcolea, Francisco Pozo, Inmaculada Casas, Cristina Calvo, Maria Luz Garcia-Garcia

Risk factors and age-related patterns of asthma-like symptoms in early childhood

Julie Nyholm Kyvsgaard (Gentofte, Denmark), Bo L. Chawes, David Horner, Laura M. Hesselberg, Mathias E. Melgaard, Signe K. Jensen, Jonathan Thorsen, Nicklas Brustad, Klaus Bønnelykke, Hans Bisgaard, Jakob Stokholm

Longitudinal effects of prenatal exposure to plastic-derived chemicals and their metabolites on asthma and lung function

Francesca Sanna (Perth, Australia), Rachel Foong, Peter Franklin, Graham Hall, Peter Sly, Eric Thorstensen, Dorota Doherty, Jeffrey Keelan, Roger Hart

Establishing a paediatric airway epithelial model of acute wheezing illness

Rebecca Watkinson (Clarkson, Australia), Samuel Montgomery, Kevin Looi, Ingrid Laing, Anthony Kicic

Late Breaking Abstract - Bacterial airway colonization in neonates reveals a specific childhood asthma endotype

Rikke Bjersand Sunde (Gentofte, Denmark), Jonathan Thorsen, Ann-Marie Malby Schoos, Jakob Stokholm, Klaus Bønnelykke, Bo Chawes, Hans Bisgaard

Discussion

8F

Session

08:15 - 09:30

Oral presentation: Best abstracts in pulmonary rehabilitation and chronic care**Disease(s) :** Interstitial lung diseases Airway diseases**Method(s) :** General respiratory patient care Pulmonary rehabilitation Endoscopy and interventional pulmonology**Chairs :** Guido Vaghegini (Volterra (PI), Italy), Rachael A. Evans (Leicester (Leicestershire), United Kingdom)**Understanding the effectiveness of different aerobic training modalities in COPD: a component network meta-analysis**

Thomas Ward (Leicester, United Kingdom), Charles Plumpton, Thomas Dolmage, Amy Jones, Ruth Tretheway, Pip Divall, Sally Singh, Martin Lindley, Michael Steiner, Rachael Evans

Exercise tolerance and limiting symptoms 5 and 12 months after hospital discharge from COVID-19

Molly M Baldwin (Leicester, United Kingdom), Enya Daynes, Urvee Karsanji, Hamish Mcauley, William D Man, Rachael A Evans, Sally J Singh, P Hosp-Covid Collaborative Group

Anxiety and Depression in IPF and response to pulmonary rehabilitation (PR)

George D Edwards (Ilford, United Kingdom), Oliver Polgar, Suhani Patel, Ruth E Barker, Jessica Walsh, Jennifer Harvey, William D-C Man, Claire M Nolan

Improving the well-being in caregivers of patients with COPD using a home-based pulmonary rehabilitation program

Sarah Gephine (Pérenchies, France), Olivier Le Rouzic, Cécile Chenivresse, Jean-Marie Grosbois

Quality of ventilation in patients on home NIV included in a telemonitoring programme - TELVENT study

Sandrine Pontier-Marchandise (Toulouse Cedex 9, France), Joelle Texereau, Arnaud Prigent, Claudio Rabec, Jésus Gonzalez-Bermejo, Frédéric Gagnadoux, Alexia Letierce, Joao Carlos Winck

Impact of an online breathing and wellbeing programme (ENO Breathe) in people with persistent symptoms following COVID-19: a randomised controlled trial

Keir Philip (, United Kingdom), Harriet Owles, Stephanie Mcvey, Tanja Pagnuco, Katie Bruce, Harry Brunjes, Winston Banya, Jenny Mollica, Adam Lound, Suzi Zumpe, Amiad A M Abrahams, Vijay Padmanaban, Thomas H Hardy, Adam Lewis, Sarah Elkin, Nicholas S Hopkinson

Reduction of lung hyperinflation improves cardiac preload, contractility, and output in emphysema

Marieke van der Molen (Groningen, Netherlands), Jorine Hartman, Lowie Vanfleteren, Huib Kerstjens, Joost Van Melle, Tineke Willems, Dirk-Jan Slebos

Feasibility and effectiveness of eccentric training on limb muscle function and functional performance in patients with COPD: a pilot study

Simone Pancera (Manerbio, Italy), Nicola Francesco Lopomo, Roberto Porta, Antonella Sanniti, Riccardo Buraschi, Luca Nicola Cesare Bianchi

Surfactant protein-A (SP-A) is a novel marker of lung disorders in patients discharged after COVID-19 pneumonia

Olha Shchudro (Dnipro, Ukraine), Lyudmyla Konopkina

Discussion

8N

Session

08:15 - 09:30

Oral presentation: Lung physiology throughout life: applicability and assessmentDisease(s) : **Airway diseases** **Interstitial lung diseases**

Method(s) : Epidemiology Physiology Pulmonary function testing Imaging

Chairs : Rachel Ong-Salvador (Amsterdam, Netherlands), Laurie Smith (Sheffield (South Yorkshire), United Kingdom)

The longitudinal impact of body compartments on lung function in children, adolescents, and adults

Alina Ofenheimer (Zürich, Switzerland), Marie-Kathrin Breyer, Emiel F.M. Wouters, Caspar Schiffers, Sylvia Hartl, Otto C. Burghuber, Florian Krach, Frits M.E. Franssen, Tobias Mraz, Patricia Puchhammer, Robab Breyer-Kohansal

Impact of the ERS/ATS 2021 guidelines for lung function interpretation

Marko Topalovic (Kessel-lo, Belgium), Paul Desbordes, Julie Maes, Karl Sylvester, Frans De Jongh, Wim Janssens

Long term pulmonary function of infants born moderate-late preterm – A systematic review and meta-analysis

Cassidy Du Berry (Melbourne, Australia), Christopher Nesci, Jeanie Cheong, Tara Fitzgerald, Sarath Ranganathan, Rheanna Mainzer, Lex Doyle, Elianne Vrijlandt, Liam Welsh

Comparison of conventional and rapid gas analyzer-based assessment of single-breath DLCO in COPD patients

Christian Buess (Zürich, Switzerland), Andreas Piecyk, Rudolf Jörres, Helgo Magnussen

¹²⁹Xe-MRI to investigate spirometric airway dysanapsis in people with asthma and/or COPD

Laurie Smith (Sheffield (South Yorkshire), United Kingdom), Helen Marshall, Demi-Jade Jakymelen, Alberto Biancardi, Guilhem Collier, Ho-Fung Chan, Paul Hughes, Martin Brook, Joshua Astley, Ryan Munro, Smitha Rajaram, Andy Swift, David Capener, Jody Bray, James Ball, Oliver Rodgers, Ian Smith, Bilal Tahir, Madhwesha Rao, Graham Norquay, Nick Weatherley, Leanne Armstrong, Latife Hardakar, Titti Fihn-Wakander, Rod Hughes, Jim Wild

Safety of different types of loaded breathing in adult Fontan patients

Patrick Schön (Zurich, Switzerland), Kyle G. Boyle, Matthias Greutmann, Christina M. Spengler

A verification-acceptability process for onboarding new PFT systems in a Canadian provincial accreditation program.

Carl D. Mottram (Rochester, United States), Teresa Mccaskill, Francis Ervin, Navdeep Rakhra

Gas exchange after Covid-19 pneumonia

Salma Mokaddem Mohsen (Tunis, Tunisia), Khouloud Kechaou, Molk Maalej, Asma Chaker, Nadia Ben Lazreg, Saloua Ben Khamsa Jameleddine

Annual lung function change in PIZZ -antitrypsin deficiency (A1ATD).

Mark Howlett-Foster (Cambridge, United Kingdom), Ben Knox-Brown, Matthew Rutter, Karl Sylvester, Ravi Mahadeva

Late Breaking Abstract - Physiological assessment of patients with airways dysanapsis using 129Xe MRI

Laurie Smith (Sheffield (South Yorkshire), United Kingdom), Helen Marshall, Demijade Jakymelen, Alberto Biancardi, Guilhem J Collier, Ho-Fung Chan, Paul J C Hughes, Martin L Brook, Joshua Astley, Ryan Munro, Smitha Rajaram, Andrew J Swift, David Capener, Jody Bray, James Ball, Olly Rodgers, Ian Smith, Bilal A Tahir, Madhwesha Rao, Graham Norquay, Nick D Weatherley, Leanne Armstrong, Latife Hardaker, Titti Fihn-Wikander, Rod Hughes, Jim M Wild

Discussion

TP-17

Session

08:30 - 09:30

Thematic poster: Thoracic surgery: different perspectives of the field**Disease(s) :** Thoracic oncology Respiratory critical care Airway diseases Pulmonary vascular diseases Sleep and breathing disorders Interstitial lung diseases**Method(s) :** Pulmonary rehabilitation Surgery Pulmonary function testing General respiratory patient care Imaging Public health Physiology Epidemiology Endoscopy and interventional pulmonology Respiratory intensive care**Chairs :** Nuria Novoa Valentin (Salamanca, Spain), Sara Ricciardi (Rome, Italy)**Incidence, risk factors and outcome of COVID19 patients affected by pneumothorax or pneumomediastinum: what do we know so far.**

Arianna Farronato (Florence, Italy), Chiara Travaglia, Alice Ravasin, Vittorio Aprile, Elisa Siculo, Stefano Romagnoli, Adriano Peris, Roberto Corzani, Piero Paladini, Marco Lucchi, Luca Voltolini, Alessandro Gonfiotti

Pulmonary sequestration in adult patients: a single-center retrospective study

Yan Hu (Changsha, China), Siying Ren, Lulu Yang, Ying Xiao, Zhongyi Tong, Wenliang Liu, Fenglei Yu

Anatomical lung resections for lung hydatidosis: indications and results

Abdessalem Hentati (Sfax, Tunisia), Zied Chaari, Aymen Ben Ayed, Walid Abid, Imed Frikha

Does emphysema severity reflect lung perfusion in patients undergoing lung volume reduction?

Periklis Perikleous (London, United Kingdom), Ewa Nowosinska, Ralitsa Baranowski, David Waller

Primary Spontaneous Pneumothorax in late adolescents. Are we treating our patients in the best possible way?

Dimitris Lioumpas (Athens, Greece), Sylianos Michelis, Evangelos Fergadis, Theoni Kiknadze, Dimitris Paschalinos, Fragkiskos Tsagkarakis, Antonios Antoniadis, Ilias Samiotis, Ioannis Stamatatos, Efstathios Metaxas, Georgios Benakis, Stylianos Zaragkas, Nikolaos Tzatzadakis

Thoracic trauma profile: what changed with covid-19

Mouad Gourti (Agadir, Morocco), Said Bassil, Fahd Ouchen, Mouhsine Makloul, Elmehdi Maida

Long-term cardiorespiratory outcomes in Congenital Diaphragmatic Hernia

Leonie Lewis (Liverpool, United Kingdom), Ian Sinha, Sok-Leng Kang, Joyce Lim, Paul Losty

Introducing new instruments for prediction of postoperative pulmonary complications in patients undergoing lung resection.

Kristian Brat (Brno, Czech Republic), Ivan Cundrle Jr, Andrej Mazur, Pavel Homolka, Zdenek Chovanec, Monika Bratova, Ladislav Mitas, Zdenek Merta, Michal Svoboda

Surgical Management of Superior Sulcus Tumors: A Twenty-Year Experience of an Oncological Referral Centre

Luca Bertolaccini (Milan, Italy), Lorenzo Spaggiari

To what extent does oxidized regenerated cellulose reinforcement during video-assisted thoracoscopic blebectomy prevent postoperative recurrent pneumothorax?

Masao Naruke (Tokyo, Japan)

The value of finer medical thoracoscope in "APC-plus" for the treatment of primary spontaneous pneumothorax(PSP)

Hua Zhang (Rizhao (Shandong), China), Guangwei Xue, Zhongmei Sun, Wei Zhang, Weiwei Xu, Zongtao Liu, Changsheng Ge, Zhigang Zheng

The clinical efficacy of blood patch pleurodesis in persistent air leak. Our experience.

Efstathios Metaxas (Ano Liosia - Athens, Greece), Dimitrios Lioumpas, Dimitrios Paschalinos, Antonios Antoniadis, Teona Kiknadze, Panagiota Pantoula, Ioannis Stamatatos, Evangelos Georgios Fergadis, Georgios Benakis

Impact of Inspiratory Muscle Training on sleep quality and lung function after coronary artery bypass graft surgery

Andre Luiz Cordeiro (Feira De Santana (BA), Brazil), Bruna Reis, Emily Almeida, André Guimarães

Do we really need a chest-CT in Primary Spontaneous Pneumothorax?

Sara Ricciardi (Rome, Italy), Delia Giovanniello, Francesco Carleo, Marco Di Martino, Massimo O. Jaus, Sara Mantovani, Luigi Carbone, Maria Teresa Aratari, Alessia De Massimi, Lorenzo Salvadori, Stefano Treggiari, Giuseppe Cardillo

Emphysema bubbles: Which patients to operate?

Abdessalem Hentati (Sfax, Tunisia), Olfa Sassi, Najla Bahloul, Walid Abid, Zied Chaari, Imed Frikha

Congenital cystic adenomatoid malformation of lung in adults: A report of 7 cases

Nouha Boubaker (Nabeul, Tunisia), Mahdi Abdennadher, Hazem Zribi, Amina Abdelkadir, Imen Bouacida, Sarra Zairi, Ayda Ayadi, Sonia Ouerghi, Adel Marghli

Lung volume reduction surgery in patients with mild to moderate pulmonary hypertension and non-heterogeneous emphysema

Claudio Caviezel (Zürich, Switzerland), Rita Costa, Gian-Marco Monsch, Isabelle Opitz

Pulmonary large cell neuroendocrine carcinoma: about 8 surgical cases.

amina abdelkadir (ben arous, Tunisia), Mahdi Abdennadher, AHMED BAKHTI, Hazem Zribi, Imen Bouacida, Sarra Zairi, Mouna Mlika, Sonia Ouerghi, Adel Marghli

Women and lung cancer: what are the particularities? Labidi a, Abdelkadir A, Bouassida I, Zribi h, Abdennadher M, MarghliA

Aymen Labidi (tunis, Tunisia), Amina Abderkadir, Imen Bouassida, Hazem Zribi, Mehdi Abdennadher, Adel Merghli

TP-5 Session 08:30 - 09:30**Thematic poster: Severe COVID-19: clinical data****Disease(s) :** Respiratory critical care Airway diseases Interstitial lung diseases**Method(s) :** General respiratory patient care Respiratory intensive care Epidemiology Public health Imaging Physiology Cell and molecular biology**Chairs :** Christoph Fisser (Regensburg, Germany), Maxime Patout (Paris, France)**High severity and mortality of non-COVID-19 critically ill patients during the COVID-19 pandemic**

Sua Kim (Ansan, Republic of Korea), Jae Kyeom Sim, Won Jai Jung, Young Seok Lee, Je Hyeong Kim

Fluid balance as an independent prognostic indicator of in-hospital mortality in heart failure patients with Covid-19

Ruhma Ali (Harrison, United States), Aditya Patel, Neev Mehta, Jihad Slim, Richard Miller, Joaquim Correia

Comparative Study of Clinical Outcomes of Severe and Critical COVID-19 Patients With and Without Hemoperfusion Admitted in a Referral Hospital

Maebritt Wincent Tibubos (Quezon City, Philippines), Ralph Moises Royeca, Paul Rilhelm Evangelista, Mary Claire Orden, Glynn Ong-Cabrera, Amor Patrice Estabillo, Ramon Mora

Dual Oxygenation in Covid-19 - a Retrospective Cohort Study

Ivan GUR (Haifa, Israel), Eyal Fuchs

Comparison of clinical outcomes between COVID-19 vaccinated and unvaccinated patients admitted to a Respiratory Intensive Care Unit.

Federico Lionello (Padova, Italy), Gabriella Guarnieri, Beatrice Molena, Chiara Giraud, Giovanna Arcaro, Sara Lococo, Fausto Braccioni, Alessia Achille, Cristina Contessa, Francesca Lugato, Federico Gallan, Andrea Vianello

Organizing pneumonia due to COVID-19: the experience of one year in an intensive care unit

João Paulo Duarte dos Santos Oliveira Rodrigues (Oliveira do Hospital, Portugal), Ricardo Júnior, Mário Pinto, Ana Santos, Rita Gerardo, António Miguel, Luís Bento

Risk factors for mortality in COPD patients with COVID-19 admitted to Intensive Care Unit

Laia Fernandez Barat (Barcelona, Spain), Sergio Alvarez-Napagao, Marta Barroso, Ana Motos, Albert Gabarrús, Adrian Ceccato, Raquel Pérez, Dario García, Denise Battaglini, Andrea Palomeque, Jesús Bermejo, Ferran Barbé, Antoni Torres

Urea/albumin ratio associated with mortality in hospitalized COVID-19 patients: a cohort study

Robson Prudente (Botucatu (SP), Brazil), Estefânia Franco, Luiz Machado, Luis Brizola, Maercio Santos, Edris Savadkouhi, Camila Colombo, Leticia Ishimoto, Suzana Tanni

Is acute phase severity predictive of long-covid-19 development?

Simonetta Vernocchi (Gallarate, Italy), Andreas Aceranti

Mallampati score is an independent predictor of active oxygen therapy in patients with COVID-19.

Aleksandra Oraczewska (Dąbrowa Górnicza, Poland), Maciej Dyrbuś, Szymon Szmigiel, Szymon Gawęda, Paulina Kluszczyk, Tomasz Darocha, Tomasz Cyzowski, Ewa Trejnowska, Andrzej Swinarew, Michał Wita, Paweł Dubik, Sebastian Kwiatek, Marek Jędrzejek, Michał Kozłowski, Beata Puzanowska, Adam Barczyk, Szymon Skoczyński

Clinical Characteristics of COVID-19 between ICU and non-ICU patients

Tuan Muhammad Syukri Tuan Kob (SUNGAI BULOH, Malaysia), Muhammad Amin Ibrahim, Allim Khairuddin, Muhammad Syafiek Mohd Razali, Ridhwan Abd Razak, Zahiah Abd Aziz, Noor Hashida @ Juita Hassan

4C Mortality Score and high-flow nasal oxygen therapy outcome in COVID-19

Pavol Pobeha (Košice, Slovakia), Ivana Paranicova, Simona Bodnarova, Peter Skyba, Patrik Jonek, Eva Sokolova, Ingrid Libakova, Pavol Joppa

Clinical impact of out-of-ICU non-invasive respiratory support in patients with COVID-19 related pneumonia

Julia Tarrega Camarasa (Granollers, Spain), Inmaculada Castillo Sánchez, Julia Brugué González, Yolanda Galea Colon, Núria Angrill Sellés, Enric Barbeta Sánchez

Air leak in Covid 19: experience from a DGH in the UK

Avinash Aujayeb (Newcastle, United Kingdom)

One-year mortality in COVID-19 is associated with patients' comorbidities rather than pneumonia severity

Luca Novelli (Bergamo, Italy), Federico Raimondi, Greta Carioli, Alessandra Carobbio, Simone Pappacena, Luca Malandrino, Roberta Biza, Roberta Trapasso, Marisa Anelli, Mariangela Amoroso, Chiara Allegri, Gianluca Imeri, Caterina Conti, Marta Beretta, Marco Rizzi, Ferdinando Luca Lorini, Michele Senni, Alessandro Rambaldi, Tiziano Barbui, Fabiano Di Marco

Amount and distribution of parenchymal abnormalities at CT-scan do not predict awake prone position outcome in Covid-19

Luca Novelli (Bergamo, Italy), Federico Raimondi, Simone Pappacena, Simona Annibali, Ilaria Bianco, Luca Malandrino, Sara Cazzaniga, Matteo Brivio, Roberta Trapasso, Simone Bonetti, Francesco Caglioni, Carlo Catani, Chiara Allegri, Roberta Biza, Marisa Anelli, Fabiano Di Marco

Noninvasive ventilation(NIV) with auto-titrating EPAP to extubation for Acute Myocardial Infarction(AMI) patient with heart failure

BoXue Han (Beijing, China), Maoliang Tian, Ying Wang, Wei Wang, Zhitao Jin, Donghua Shen, Guanghan Wu

Assessment of lung recruitment with continuous negative extrathoracic pressure after one-lung ventilation: an experimental investigation

Álmos Schranc (Szeged, Hungary), John Diaper, Roberta Südy, Ferenc Peták, Walid Habre, Gergely Albu

Late Breaking Abstract - Awake Prone Positioning for COVID-19 Hypoxemic Respiratory Failure: A Systematic Review and Meta-Analysis of Randomized Trials

Jason Weatherald (Edmonton, Canada), Ken Kuljit Singh Parhar, Zainab Al Duhailib, Derek Chu, Anders Granholm, Kevin Solverson, Kimberley Lewis, Morten Hylander Møller, Mohammed Alshahrani, Emilie Belley-Côté, Nicole Loroff, Cheryl Gatto, Edward T. Qian, Todd Rice, Dan Niven, Henry T. Stelfox, Kirsten Fiest, Deborah Cook, Yaseen Arabi, Waleed Alhazzani

Late Breaking Abstract - Changes in surface activity of lung surfactant and bronchoalveolar cell profile upon COVID-19-related Acute Respiratory Distress Syndrome

Chiara Autilio (Madrid, Spain), Paula Losada-Oliva, David Sánchez Ortiz, Alvaro Mingote, Raquel Castejon Diaz, Gonzalo Hernandez, Gema Díaz, Mercedes Echaide, Clara Salas, Juan Antonio Vargas, Jesus Perez-Gil

TP-20

Session

08:30 - 09:30

Thematic poster: Bronchiectasis: 1

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Imaging General respiratory patient care Pulmonary function testing Public health Cell and molecular biology Epidemiology

Chairs : Rosanel Amaro Rodriguez (Premia de Dalt (Barcelona), Spain), Amelia Shoemark (Dundee (Angus), United Kingdom)

PHENOTYPIC CLUSTERING IN NON-CYSTIC FIBROSIS BRONCHIECTASIS PATIENTS: THE ROLE OF NEUTROPHILS IN DISEASE SEVERITY

Xuejie Wang (Barcelona, Spain), Carmen Villa, Yadira Dobarganes, Casilda Olveira, Rosa Girón, Marta García-Clemente, Luis Máiz Carro, Oriol Sibila, Rafael Golpe, Rosario Menéndez, Juan Rodríguez-López, Concepción Prados, Miguel Angel Martínez-García, Juan Luis Rodríguez, David De La Rosa, Xavier Duran, Jordi Garcia-Ojalvo, Esther Barreiro

Clinical characteristics and imaging of adult PCD patients: a single-center experience.

Chrysavgi Kosti (Gerakas, Greece), Vasilios Tzilas, Antonia Dugalaki, Sofia Koukidou, Ioannis Tomos, Georgios Hillas, Serafeim Chrysikos, Emmanouela Zervou, Katerina Dimakou

Clinical, radiological and bacteriological profile of patients with Bronchiectasis and asthma coexistence.

Antonia Dugalaki (Athens, Greece), Sofia Koukidou, Georgios Hillas, Chrysavgi Kosti, Serafeim Chrysikos, Aikaterini-Ioanna Sakellaropoulou, Katerina Dimakou

Use of multidimensional scales to predict outcomes in admissions due to bronchiectasis exacerbation.

Blanca Urrutia Royo (Barcelona, Spain), Marina Compte Vives, Ignasi García-Olivé, Carlos José Folgado López, Jorge Abad Capa, Antoni Rosell Gratacós

Demographic and clinical features of Swedish patients with bronchiectasis; preliminary results from a tertiary EMBARC centre.

Apostolos Bossios (Stockholm, Sweden), Pia Ghosh, Ingrid Gerhardson, Nawfal Bedi, Sara Barsch Cornacchini, Nikolaos Lazarinis, Barbro Dahlen, James D Chalmers

Primary ciliary dyskinesia in Volendam: diagnostic and phenotypic features in patients with a CCDC114 mutation

Renate Kos (Soest, Netherlands), Joël Israëls, Christine D L Van Gogh, Josje Altenburg, Sandra Diepenhorst, Tamara Paff, Elles M J Boon, Gerard Pals, Anne H Neerinx, Anke H Maitland-Van Der Zee, Eric G Haarman

The Bronchiectasis- rhinosinusitis association is characterized by sputum eosinophilia

Michal Shteinberg (Haifa, Israel), James Chalmers, Miki Rahat, Elina Simanovich, Shai Cohen, Nizar Abu-Hilu, Sharon Avital, Emad Mohammed, Jenny Gerbshian, Nili Stein, Sonia Schmeer, Najwan Nasrallah, Iya Eisenberg, Yochai Adir

Etiology, clinical, radiological and microbiological profile of patients with non-CF bronchiectasis in Tunisia

Hamida Kwas (Gabes, Tunisia), Sabrine Majdoub, Wafa Medi

Comparison of hospital admissions in people with bronchiectasis between the covid-19 pandemic (2020) and pre-pandemic period (2019)

Beatriz Herrero Cortina (Zaragoza, Spain), Xunxiao Lin, Ana García-Esteban, Guillermo Samuel Loscertales-Vacas, Marta Martín Lana, Elena Borobia-Irache, Ana Cristina Aguelo-Velilla

Imaging analysis of sarcopenia in a cohort of stable patients with bronchiectasis

Mariela Nieves Alvarado Miranda (Reus, Spain), Adriana Nuñez Robainas, María Pérez Peiró, Salvatore Marsico, Alberto Solano López, Esther Barreiro

Bronchiectasis in Pakistan: A retrospective review of patients with non-cystic fibrosis bronchiectasis at a tertiary care center

Syed Muhammad Zubair (karachi, Pakistan), Shayan Shahid, Ali Bin Abdul Jabbar, Abdullah Wagley, Muhammad Daniyal Musharraf, Haris Zahid, Muhammad Irfan

PROFILE OF CLINICAL AND ANALYTICAL PARAMETERS IN BRONCHIECTASIS PATIENTS DURING THE COVID-19 PANDEMIC: A ONE-YEAR FOLLOW-UP STUDY.

Liyun Qin (Barcelona, Spain), Filipe Gonçalves-Carvalho, Yingchen Xia, Jianhua Zha, Mireia Admetlló, José María Maiques, Sandra Esteban-Cucó, Xavier Duran, Alicia Marín, Esther Barreiro

Long-term outcome of nebulised antibiotic prophylaxis in bronchiectasis: a retrospective cohort study

Wei Chin Ng (London, United Kingdom), Keith Hattotuwa, Jack Mulholland

Prevalence of eosinophilia in chronic respiratory illness (CRI) during exacerbation with a focus on outcomes related to ICS treatment in Bronchiectasis

Ioana Rusu (MANCHESTER, United Kingdom), Rosina Khan, Magnus Okoh, Sowmya Ekhelika, Nawaid Ahmad

Correlation between radiological scores and clinical and biological data in patients with bronchiectasis

Houda Snène (Tunis, Tunisia), Malika Guemri, Soumaya Debièche, Hana Blibech, Sirine Daoud, Line Kaabi, Souhir Ouali, Jalloul Daghfous, Leila Ben Farhar, Nadia Mehiri, Nozha Ben Salah, Bechir Louzir

CLINICAL CHARACTERISTICS, RADIOLOGICAL FEATURES, AND DISEASE SEVERITY OF BRONCHIECTASIS ACCORDING TO THE SPIROMETRIC PATTERN

Bumhee Yang (Cheongju-si, Republic of Korea), So Rae Kim, Sun-Hyung Kim, Jun Yeun Cho, Eung-Gook Kim, Kang Hyeon Choe

Prevalence of LasB elastase variants from Pseudomonas aeruginosa respiratory isolates and their inhibition by novel LasB inhibitor ANT3273

Agustina Llanos (Labège, France), Clarisse Lozano, Jérôme Castandet, Magdalena Zalacain, Michael Tunney, Rachel Mairs, Gisli Einarsson, Martin Everett

Diagnostic value of multiple breath washout in patients with chronic productive cough

Niklas Ziegahn (Berlin, Germany), Charlotte O Pioch, Mirjam Stahl, Marcus A Mall, Jobst F Roehmel

Host transcriptomic signature for viral and bacterial infection at exacerbation of COPD–The longitudinal PAX-I study

Andrei Darie (Basel, Switzerland), Desiree M. Schumann, Leticia Grize, Kathleen Jahn, Matthias J. Herrmann, Werner Strobel, Hans Hirsch, Michael Tamm, Daiana Stolz

Disease(s) : Respiratory critical care Airway diseases

Method(s) : General respiratory patient care Public health Cell and molecular biology Imaging Physiology Respiratory intensive care

Chairs : Timothy Hinks (Oxford, United Kingdom), Chair to be confirmed

Associates of neutrophil/lymphocyte ratio in patients with COVID 19 infection: A single center experience

Burcu Turan (Istanbul, Turkey), Ezgi Baysal, Can Ömür, Yahya Abdurrahman, Caner Çınar, Derya Kocakaya, Sehnaz Olgun Yıldızeli, Emel Eryüksel, Sait Karakurt, Baran Balcan

Biomarker profiles associated with COVID-19 severity and mortality

Silvia Sánchez-Díez (Barcelona, Spain), Carlos Gómez Ollés, Miquel De Homdedeu, David Espejo, Cristina Fábregas, María Jesús Cruz, Xavier Muñoz

Vitamin d3 and its association with covid-19 disease severity: a prospective study

Ankita Mohanty (Bhubaneswar, India), Gopal Purohit, Chaina Ram Choudhary, Ashok Kuwal, Vikram Bajiya

RELATION BETWEEN FERRITIN LEVELS AND PULMONARY AFFECTATION IN COVID-19.

Esperanza Guzmán Ansado (Madrid, Spain), Ana Ochoa-Ruiz, Norman Andrés Villamagua- Arias, Juan Francisco De Mesa Álvarez, Angela Hidalgo Herranz, Silvia Sans Pérez, Soledad Torres Tienza, Carmen Lorenzo Martinez, Maja Cristina Yanlli Bonduke, José María Rodríguez-Fernández, Sergio Campos Téllez

Can IL-6 serve as a reliable biomarker of clinical outcome in COVID19 pneumonia?

Georgia Hardavella (Athens, Greece), Stavroula Mavrea, Elena Bellou, Ioanna Marinou, Elli Keramida, Erasmia Georgakopoulou, Irma Bracka, Thodoris Daskalos, Spyros Mazarakis, Ioannis Karampinis, Maria Salomidou, Antonios Xipolitos, Nikolaos Anastasiou, Despoina Zorpidou, Panagiotis Demertzis, Simona Karabela

Thyroid dysfunction reflects severity of COVID-19 pneumonia in hospitalized patients

Ioannis Machairas - Sallas (Nea Erythraia, Greece), Lykourgos Kolilekas, Anastasia Levounets, Dionysios Tsoukalas, Eleftherios Zervas, Mina Gaga

Neutrophil-to-lymphocyte : a useful biomarker for predicting severity in coronavirus disease-2019 (COVID19)

Manel Loukil Ben Ali (Nabeul, Tunisia), Warda Jelassi, Narjes Abid, Nada Gader, Mechaal Ben Ali, Imen Chaabane, Khaled Bouzaidi, Hedia Ghrairi

Lactate dehydrogenase level: A predictive marker for severe COVID-19 infection

Manel Loukil Ben Ali (Nabeul, Tunisia), Warda Jelassi, Narjes Abid, Nada Gader, Mechaal Ben Ali, Imen Chaabane, Khaled Bouzaidi, Hedia Ghrairi

Is serum 25-hydroxyvitamin D levels associated with severity of COVID-19 disease? A retrospective study

Maria Boesing (Liestal, Switzerland), Mireille Hunziker, Kristin Abig, Stéphanie Giezendanner, Fabienne Jaun, Giorgia Lüthi-Corridori, Anja Makhdoomi, Jürgen Muser, Jörg Daniel Leuppi

Laboratory markers as predictor factor of clinical and radiological severity in hospitalized patient with covid-19

Sabrine Majdoub Fehri (Nabeul, Tunisia), Imen Ketata, Rahma Sellami, Wafa Medi, Hamida Kwass

COVID-19 Severity Index (SI): is it a sensitive predictor score for disease outcome in hospitalized patients?

Kateryna Gashynova (Dnipro, Ukraine), Vladyslava Rudakova, Victoria Rodionova, Natalya But

Plasminogen activator inhibitor-1 (PAI-1) like the best mortality predictor of in the COVID-19-associated pneumonia

Kseniia Bielosludtseva (Dnepropetrovsk, Ukraine), Tetyana Pertseva

Evolution of IL-6 as possible marker of viral control in Covid-19

Cristina De Diego Ramos (Zaragoza, Spain), Lucía López, Laura Torralba, Ana Lasiera, Raquel Lahoz, Claudia Abadía, Pablo Ruiz De Gopegui, Alberto Cebollada, Javier Godino, Beatriz Jimeno, Salvador Bello

Lactate dehydrogenase (LDH) reinforcement in predicting Covid-19 patient's outcomes

Hind Eid (Beirut, Lebanon), Antoine El Kik, Albert Riachy, Elio Mekhael, Karim Hoyek, Nabil Nassim, Georges Khayat, Ghassan Sleilaty, Moussa Riachy

Relationship between hypercoagulability of hospitalized patients with COVID-19 disease with the clinical course of the disease as determined by the method of rotational thromboelastometry(ROTEM).

Natasa-Eleni Loutsidi (Glyfada, Greece), Marianna Politou, Vasilios Vlahakos, Dimitrios Korakakis, Theodora Kassi, Asimina Nika, Abraham Pouliakis, Konstantinos Eleutheriou, Apostolos Pappas, Ioannis Kalomenidis

THE MOST INFORMATIVE BIOMARKERS AS PREDICTORS OF MORTALITY IN COVID-19 PNEUMONIA

Yuliia Huba (Dnepropetrovsk, Ukraine), Kseniia Bielosludtseva, Lyudmyla Konopkina

Prognostic value of initial KL-6 (Krebs von den Lungen 6) plasma level during COVID-19 pneumonia

Camille Rolland-Debord (clermont-ferrand, France), Alice Letellier, David Luque Paz, Guillaume Lefèvre, Laurence Pieroni, Antoine Parrot, Jacques Cadranet

Poor nutritional status and dynapenia are highly prevalent in post-acute COVID-19

Ludovica Capitelli (san nicola la strada, Italy), Francesco De Blasio, Luca Scalfi, Bianca Castellucci, Annamaria Sacco, Giulia Miracco Berlingieri, Paola Alicante, Claudio Candia, Valeria Giacon, Filomena Tafuro, Rosita Mottola, Alessandro Sanduzzi Zamparelli, Marialuisa Bocchino

Prognostic value of Platelet-to-lymphocyte ratio in hospitalized patients with COVID-19 pneumonia

Nouha Boubaker (Nabeul, Tunisia), Islam Mejri, Nouha Guediri, Salsabil Daboussi, Samira M'Hamdi, Chiraz Aichaouia, Zied Moetemri

Adipokines levels in hospitalized patients for COVID-19 and their role in prognosis

Dorina Rama Esendagli (Ankara, Turkey), Deniz Topcu, Eylem Gul, Cansu Alperen, Sule Akcay

TP-26

Session

08:30 - 09:30

Thematic poster: The many faces of interventional bronchoscopy**Disease(s) :** Airway diseases Thoracic oncology Interstitial lung diseases**Method(s) :** Endoscopy and interventional pulmonology Imaging Surgery Palliative care Pulmonary function testing**Chairs :** Prashant Nemichand Chhajed (Mumbai, India), Peter I. Bonta (Amsterdam, Netherlands)**Cryobiopsy in the diagnosis of peripheral lung lesion**

Vytautas Ankudavicius (Kaunas, Lithuania), Marius Zemaitis, Skaidrius Miliauskas

Outcomes of Endoscopic Tracheobronchial Brachytherapy: Retrospective Cohort Analysis from a High-Volume Cancer Centre

Stefano Maria Donghi (MILANO (MI), Italy), Elena Prisciandaro, Luca Bertolaccini, Niccolò Filippi, Andrea Vavassori, Lorenzo Spaggiari, Juliana Guarize

Transbronchial lung cryobiopsy in sarcoidosis – is single biopsy enough?

Maciej Gnass (Myślenice, Poland), Anna Filarecka, Martyna Ciesielska, Jerzy Soja, Damian Czyżewski, Lucyna Rudnicka, Wojciech Zajęcki, Artur Bartzak, Adam Cmiel, Agnieszka Paluch-Stachowicz, Piotr Gniady, Artur Szlubowski

Efficacy of transbronchial lung cryobiopsy with radial EBUS guidance in interstitial lung diseases – 5 years experience

Maciej Gnass (Myślenice, Poland), Martyna Ciesielska, Jerz Soja, Damian Czyżewski, Wojciech Zajęcki, Lucyna Rudnicka, Artur Bartzak, Magdalena Życińska, Piotr Gniady, Małgorzata Szołkowska, Adam Cmiel, Artur Szlubowski

Impact of transbronchial lung cryobiopsy on lung function in patients with interstitial lung diseases

Claudia Ravaglia (Forlì, Italy), Silvia Puglisi, Martinello Sabrina, Vancheri Ada, Oldani Stefano, Piciucchi Sara, Poletti Venerino

Safety and Efficacy of Transbronchial Cryo Lung Biopsy vs Forceps Biopsy in diagnosis of Fibrotic Lung Disease - The Heat is On

Umang C. Shah (Vadodara (Gujarat), India)

Complications in the use of transbronchial lung cryobiopsy in non-interstitial lung diseases

Diego Alexis García Estudillo (mexico, Mexico), Olivia Sánchez Cabral, Cira Santillán Díaz, Paula Karina Olvera Llera

ONE-SESSION BILATERAL WHOLE LUNG LAVAGE WITH ASSISTANCE BY EXTRACORPOREAL MEMBRANE OXYGENATION: A SAFE AND EFFECTIVE TREATMENT FOR PULMONARY ALVEOLAR PROTEINOSIS.

IRENE MILAGROS DOMINGUEZ ZABALETA (Madrid, Spain), Paola Benedetti, Javier De Miguel Diez, Sergio Suarez Escudero, Virginia Parra León, Luis Puente Maestu, José Javier García López

Airway Stents: an important paradigm in the management of airway stenosis

Abhinav Singla (Essen, Germany), Johannes Wienker, Erik Büscher, Rüdiger Karpf-Wissel, Faustina Funke, Kaid Darwiche

Management of benign tracheal stenosis: the endoscopic approach

Alia Ezzaouia (Tunis, Tunisia), Sarra Maazaoui, Amany Touil, Tasnim Znagui, Mariem Chaabane, Sonia Habibeche, Hajer Racil, Nawel Chaouch

Outcome and adverse events of endoscopic lung volume reduction with valves at 6- and 12-month follow-up: Results from the Lung Emphysema Registry (LE-R) in Germany

Thomas Sgarbossa (Berlin, Germany), Jacopo Saccomanno, Pavlina Lenga, Jens-Carsten Rückert, Franz Stanzel, Stefan Welter, Christian Grah, Joachim Pfannschmidt, Bernd Schmidt, Paul Schneider, Stephan Eisenmann, Marcus Krüger, Joachim Ficker, Dietmar Kraus, Angelique Holland, Andreas Kirschbaum, Andreas Gebhardt, Sven Gläser, Stephan Eggeling, Stefan Andreas, Marc Hinterthaler, Karl-Josef Franke, Ulrich Laskowski, Ralf-Harto Hübner

Outcome of 2nd lung volume reduction therapy with one-way valves after initial treatment failure in patients from the national lung emphysema registry (LE-R) in Germany

Jacopo Saccomanno (Berlin, Germany), Thomas Sgarbossa, Pavlina Lenga, Jens-Carsten Rückert, Franz Stanzel, Stefan Welter, Christian Grah, Joachim Pfannschmidt, Bernd Schmidt, Paul Schneider, Stephan Eisenmann, Marcus Krüger, Joachim H. Ficker, Dietmar Kraus, Angelique Holland, Andreas Kirschbaum, Andreas Gebhardt, Sven Gläser, Stephan Eggeling, Stefan Andreas, Marc Hinterthaler, Karl-Josef Franke, Ulrich Laskowski, Ralf-Harto Hübner

Predictors of survival in COPD: does improvement affect survival?

Sharyn A. Roodenburg (Groningen, Netherlands), Marlies Van Dijk, Karin Klooster, T. David Koster, Dirk-Jan Slebos, Jorine E. Hartman

Results from bronchoscopic thermal vapor for lung volume reduction

Cristina Luna Pardo (valencia, Spain), Raquel Martínez Tomás, Andrés Briones Gómez, Enrique Cases Viedma

Perfusion measured with HRCT-approximated perfusion is comparable to SPECT/CT for patients with severe COPD

T. David Koster (GRONINGEN, Netherlands), Karin Klooster, Marlies Van Dijk, Aafke Van Erp-Zeilstra, Annick Willems Van Beveren, Jan Pruim, Jean-Paul Charbonnier, Dirk-Jan Slebos

Long term follow-up after endobronchial valve treatment for emphysema

Jorine E. Hartman (Groningen, Netherlands), Karin Klooster, T. David Koster, Marlies Van Dijk, Dirk-Jan Slebos

Instant pathology of transbronchial cryobiopsies (TBCB) for sample adequacy in ILD patients

Laura Van Huizen (Amsterdam, Netherlands), Kirsten Mooij - Kalverda, Venerino Poletti, Peter Bonta, Johannes Daniels, Marloes Groot, Jouke Annema

Bronchial thermoplasty; its long-term efficacy in severe asthma

Pieta C Wijsman (Amsterdam, Netherlands), Annika W Goorsenberg, Julia N D' Hooghe, Nick H Ten Hacken, Els J Weersink, Elisabeth H Bel, Pallav L Shah, Jouke T Annema, Peter I Bonta

Endoscopic dilatation of idiopathic subglottic stenosis: effects on lung function and recurrence dynamics

Louis-Vincent Morin-Thibault (Québec (QC), Canada), Gerrina Ruiters, Peter I. Bonta, Erik-H-F-M Van Der Heijden, Johannes-M-A. Daniels

Iatrogenic tracheal stenosis: another cause of persistent dyspnea after COVID-19.

Alfredo Marín Muñoz (Castelldefels, Spain), Marta Díez Ferrer, Pere Trias Sabrià, Lidia Méndez Mangas, Marta Plana Pes, Francisco Rivas Doyague, Jordi Tornero Salto, Salud Santos Pérez, Rosa López Lisboa

TP-4 Session 08:30 - 09:30**Thematic poster: The lung after COVID: functional recovery after SARS-CoV-2 infection**

Disease(s) : Airway diseases Interstitial lung diseases Respiratory critical care

Method(s) : Physiology Pulmonary rehabilitation General respiratory patient care Pulmonary function testing Epidemiology Imaging

Chairs : Necmiye Funda Co kun (Bursa, Turkey), Gordana Pavliša (Zagreb, Croatia)

The utility of 1-minute sit-to-stand test to detect exercise-induced oxygen desaturation in outpatient assessment of post COVID-19 patients.

Muhammad Amin Ibrahim (Puncak Alam, Malaysia), Mohd Nazeri Kamarudin, Chee Shee Chai, Mohammed Fauzi Abdul Rani

Dynamic matching of oxygen uptake kinetics and muscle deoxygenation in post-COVID-19

Vitor Souza (São Paulo, Brazil), Mariana Lafeta, Maria Saldanha, Fabiana Penido, Thaís Menezes, Suzana Tanni, Andre Albuquerque, Luiz Nery, Jaquelina Ota-Arakaki, Eloara Ferreira, Priscila Sperandio

Impact of SARS CoV2 infection on pulmonary gas exchange and exercise capacity in patients with mild to severe COVID-19.

Matthias Krüll (Berlin, Germany), Mitra Lara Neymeyer, Oliver Noga

1,5-year course of quadriceps muscle strength following mild-to-critical Covid-19

Anouk Stoffels (Nijmegen (GE), Netherlands), Nicol Voermans, Hieronymus Van Hees, Jeannette Peters, Hanneke Van Helvoort, Esther Van Voorthuizen, Jonne Doorduyn, Bram Van Den Borst

Respiratory system resistance and reactance following recovery from non-critical COVID-19

Karen Sidhom (Hamilton, Canada), Carmen Venegas, Ashutosh Thakar, Nisarg Radadia, Melanie Kjarsgaard, Chynna Huang, Manali Mukherjee, Terence Ho, Parameswaran Nair, Sarah Svenningsen

Pathophysiological insights from lung diffusing capacity for nitric oxide (DLNO) after COVID-19

Lucile Sese (Paris, France), Antoine Beurnier, Frédéric Schlemmer, Yurdagül Uzunhan, Warda Khamis, Hilario Nunes, Yousra Coulibaly, Emeline Saindoy, Anabel Moreno, Stéphanie Groutteau, Marcilia Da Silva, Samuel Bayou, Emma Bezza, Hugo La Rosa, Gary Silvera, Marjorie Latrasse, Pierre-Yves Brillet, Laurent Savale, Enora Berti, Laurent Boyer, Bertrand Renaud, Thông Hua-Huy, Sven Günther, David Montani, Carole Planès, Thomas Gille

Role of 1-minute sit-to-stand in the diagnosis of Long COVID

Nuno Faria (Porto, Portugal), Tiago Oliveira, Paula Pinto, Vânia Almeida, Maria José Fernandes, Raquel Carvalho, Maria Sucena, Joana Gomes

Lung changes after COVID-19: What are the functional differences across the spectrum of disease severity?

Mónica Marques Grafino (Montemor-O-Novo, Portugal), Susana Clemente, Susana Carreira, Marco Pereira, Ana Lutas, Andreia Cardoso, Sofia Furtado

Evaluation of functional capacity by cardiopulmonary exercise testing in patients with postCOVID19 syndrome.

Diego Durán Barata (Madrid, Spain), Andrea Pérez Figuera, Silvia Sánchez Cuellar, Aurora Solier López, Beatriz Pintado Cort, Diurbis Josefina Velasco Alvarez, Lidia Aranzabal Orgaz, Raquel Morillo Guerrero

Impact of COVID 19 infection on cardiopulmonary functions of a cohort of national level athletes in Sri Lanka

Ruwanthi Thakshila Jayasekara (Nugegoda (WP), Sri Lanka), Wijitha Nissanka, Rukmal Karunanayake, Lal Ekanayake, Suresh Chathurantha, Namal Wijesinghe, Amitha Fernando

Effects of SARS-CoV-2 Infection on Pulmonary Function Tests and Exercise Tolerance

Josuel Ora (Roma (RM), Italy), Bartolomeo Zerillo, Patrizia De Marco, Gian Marco Manzetti, Francesca Camerdelli, Ilaria De Guido, Luigino Calzetta, Paola Rogliani

Pulmonary function and 6-min walk test (6MWT) among North African long COVID-19 patients

Khansa Derbel (Sousse, Tunisia), Sana Sellami, Wafa Benzarti, Sana Aissa, Sonia Rouatbi, Helmi Ben Saad, Ines Ghannouchi

Exercise responses in those with vs. without persistent fatigue post-COVID-19

Michele Schaeffer (Leuven, Belgium), Juthaporn Cowan, Kathryn Milne, Vicente Corrales-Medina, Kim Lavoie, Andrew Mulloy, Julio Chirinos, Sara Abdallah, Jordan Guenette

Lung function variability in one year after COVID-19 pneumonia.

Piotr Boros (Warszawa, Poland), Magdalena Martusewicz-Boros, Marcin Paciorek

Lung function at 12-18 months in patients with ARDS due to SARS-CoV-2 pneumonia

Anna Mola Ausiró (Aiguafreda (Barcelona), Spain), Yolanda Galea Colón, Núria Angrill Sellés, Mireia Baiges Badia, Santiago Mora Acosta, Enric Barbeta Sanchez

Respiratory outcomes 3-month following COVID-19-related hospitalisation: a Tunisian prospective study

Rihab Jebali (Tunis, Tunisia), Mjid Meriem, Ameni Naaroura, Chaima Turki, Abir Hedhli, Sana Cheikhrouhou, Samira Merai, Sonia Toujani, Yassine Ouahchi, Dhahri Bessma

Are radiological interstitial findings after COVID-19 pneumonia related to persistence of respiratory symptoms or alteration of Lung function tests?

Grace Jacqueline Oscullo Yopez (Valencia, Spain), Paula Gonzalez Jimenez, Cristina Luna Pardo, Miguel Ángel Martínez García, Manuela Martínez Fraancés

Persistent oxygen desaturation during exercise in patients with long COVID

Sara Lococo (Padova, Italy), Gabriella Guarnieri, Leonardo Bertagna De Marchi, Antonella Cecchetto, Beatrice Molena, Giovanna Arcaro, Federico Lionello, Luca Dalle Carbonare, Federica Villona, Giulia Sartori, Francesca Miscetti, Federica Margherita Lovati, Mariagrazia Morcone, Andrea Vianello, Ernesto Crisafulli

Exercise capacity in one minute sit to stand test and cardiopulmonary exercise test after 90 days of severe Covid 19

André Luis Pereira De Albuquerque (São Paulo (SP), Brazil), Flavia Folchini, Eliana Bandini, Thales Ishizaki, Suzana Tanni, Eloara Campos, Joao Marcos Salge

Submaximal and maximal exercise tests in the follow up of severe Covid-19

Eliana Bandini (, Brazil), Flavia Folchini, Thales Ishizaki, Suzana Tanni, Eloara Ferreira, Joao Marcos Salge, Wellington Yamaguti, André Albuquerque

TP-9

Session

08:30 - 09:30

Thematic poster: Sleep and breathing in different respiratory and nonrespiratory disorders

Disease(s) : Airway diseases Sleep and breathing disorders Interstitial lung diseases Thoracic oncology

Method(s) : Epidemiology Public health General respiratory patient care Surgery Pulmonary function testing Pulmonary rehabilitation

Chairs : Mirjam Elisa Ljunggren (Uppsala, Sweden), Johan Verbraecken (Edegem (Antwerp), Belgium)

The influence of smoker status on sleep – more than architectural changes in patients with sleep disorders – a retrospective study

Andreea Florescu (București, Romania), Andreea Cocari, Corina Borcea, Ancuta Tudor, Florin Dumitru Mihaltan, Oana Claudia Deleanu

Prognostic cardiovascular markers in COPD patients with and without OSA

Diane Rezende Batista (Botucatu (SP), Brazil), Silke Anna Theresa Weber, Jefferson Luis De Barros, Vanessa Do Lago, Robson Aparecido Prudente, Estefânia Thomé Franco, Luiz Henrique Soares Machado, Suzana Erico Tanni

Comparison of serum vitamin D levels in patients with Overlap Syndrome, patients with pure Obstructive Sleep Apnea, and controls

Paschalis Steiropoulos (Alexandroupolis, Greece), Athanasios Voulgaris, Kostas Archontogeorgis, Evangelia Nena, Athanasios Zissimopoulos, Michail Fanaridis, Izolthi Bouloukaki, Sofia Schiza

Airway inflammation in moderate/severe asthma and concomitant OSA patients- FeNO assessment

Daniel Pimenta Rocha (Senhora Da Hora, Portugal), André Nunes, Filipa Carriço, Daniela Rodrigues, Mafalda Van Zeller, Marta Drummond

Prevalence of Insomnia among Patients with Bronchial Asthma

Abdullah Alharbi (Riyadh, Saudi Arabia), Tammam Alanazi, Hazim Alghamdi, Meshal Alberreet, Abdulaziz Alkewaibeen, Abdulrahman Alkhalifah, Aamir Omair, Mohammad Khan, Hamdan Al-Jahdali

Limited utility of STOP-BANG in identification of obstructive sleep apnoea in fibrotic interstitial lung disease

Katherine Myall (London, United Kingdom), Alex West, Jennifer Martinovic, Zhe Wu, Jodie Lam, Diana Roque, Victor Jardim, David J Jackson, Toby Maher, Eui-Sik Suh, Philip Molyneaux, Brian Kent

Clinical impact of Obstructive Sleep Apnea on Depression in patients with Cystic Fibrosis and non-Cystic Fibrosis Bronchiectasis patients

Duygu Vezir (İSTANBUL, Turkey), Baran Balcan, Derya Kocakaya, Caner Çınar, Şehnaz Olgun Yıldızeli, Berrin Ceyhan

Obstructive Sleep Apnea in patients with Cystic Fibrosis and non-Cystic Fibrosis Bronchiectasis and its relation with clinical parameters

Duygu Vezir (İSTANBUL, Turkey), Baran Balcan, Derya Kocakaya, Caner Çınar, Şehnaz Olgun, Berrin Ceyhan

The association between pain and sleep quality

Yosr Aloulou (Manouba, Tunisia), Hadhemi Rejeb, Hela Kammoun, Dorra Greb, Ines Akrou, Hejer Ben Abdelghaffar, Hela Hassen, Leila Fekih, Hanen Smadhi, Mohamed Lamine Megdich

CPAP therapy and the COVID pandemic.

Edward Lee (Melbourne, Australia), Joshua O'Day (Clayton South, Australia), Edward Lee, Patricia Lyell, Simon Frenkel, Anne Marie Southcott

OSA patients' opinions concerning their disease and treatment during the pandemic

Athanasia Pataka (Thessaloniki, Greece), George Kalamaras, Seraphim Kotoulas, Katalin Fekete, Efimia Daskalopoulou-Vlachogianni

Prevalence of sleep-related breathing disorders in long-COVID

Winfried J. Randerath (Solingen, Germany), Simon Herkenrath, Sandhya Matthes, Rembert Koczulla, Martina Bönsch, Daniela Leitl, Marcel Tremel

COVID-19 Pandemic Effects on sleep quality, mental health and memory

Jaber Alqahtani (Dammam, Saudi Arabia), Saad Alrabeeah, Abdulelah Aldhahir, Rayan Siraj, Yousef Aldabayan, Saeed Alghamdi, Abdullah Alqahtani, Ibrahim Aldraiwiesh, Ahmed Aldakhil

Long term sleep disturbances in Tunisian COVID-19 patients discharged from hospital: a cohort study

Nesrin Kallel (Sfax, Tunisia), Nadia Bouattour, Mariam Turki, Issraa El Whadhane, Amina Kotti, Sourour Abid, Najla Halouani, Jihene Aloulou, Sameh Msaad, Walid Feki, Samy Kammoun

Evaluation of sleep quality among post-COVID patients: findings from a 6- month follow-up study

Evgenia Kalamara (Athens, Greece), Athanasia Pataka, Afrodití Boutou, Evangelia Panagiotidou, Athina Georgopoulou, Evangelos Ballas, Isidora Bakaimi, Adamantios Chloros, Symeon Metallidis, Ioannis Kioumis, Georgia Pitsiou

Hospitalizations in OSA patients

Gabriela Sofia Cancela da Fonseca Ferreira Santos (Lisboa, Portugal), Mafalda Van Zeller, Filipa Carriço, Daniela Rodrigues, Margarida Torres Redondo, Marta Drummond

Obstructive sleep apnea and other predictors of postoperative complications after bariatric surgery

Ahmad Mansoor Aldobyany (Makkah, Saudi Arabia), Abdelfattah Touman, Moaad Beshayreh, Feryal Alamri, Joanne Ahmed, Nabil Ghaleb, Rajaa Alsaggaf, Hadeel Alqurashi, Amr Albanna, Eid Alqurashi

Peri-operative outcomes of bariatric surgery in patients with obstructive sleep apnoea: a prospective single-centre cohort study

Cristiano van Zeller (London, United Kingdom), Michael Cheng, Barbara McGowan, Richard Brown, Joerg Steier

Prevalence and Correlates of REM-predominant Obstructive Sleep Apnea in Narcolepsy Patients

Ali Awadh (Riyadh, Saudi Arabia), Salih Aleissi, Ahmad Bahammam

TP-12

Session

08:30 - 09:30

Thematic poster: Interest of PROMS in chronic airway diseases**Disease(s) :** Airway diseases**Method(s) :** Pulmonary function testing Epidemiology Public health General respiratory patient care Pulmonary rehabilitation Cell and molecular biology Physiology Imaging**Chairs :** Manlio Milanese (Pietra ligure (SV), Italy), Chair to be confirmed**Expiratory flow limitation in association to symptoms and quality of life in asthma, COPD and healthy subjects**

Abir Nasr (Teckomatorp, Sweden), Georgia Papapostolou, Kerstin Romberg, Linnea Jarenbäck, Jaro Ankerst, Alf Tunsäter, Leif Bjermer, Ellen Tufvesson

Baseline characteristics associated with change in COPD symptoms over 2 years

Andrei Malinovski (Uppsala, Sweden), Christer Janson, Andreas Palm, Maria Hårdstedt, Amir Farkhooy, Karin Lisspers, Kristina Bröms, Björn Ställberg, Maricann Högman

The evaluation of patients' life quality, spirometry parameters and level of exercise tolerance in case of asthma-COPD overlap and diabetes mellitus type 2 (DM2)

Valeriia Halytska (Chernivtsi, Ukraine), Ganna Stupnytska, Oleksandr Fediv

Burden of disease in both asthma and COPD: one questionnaire?

Liz Cuperus (Rotterdam, Netherlands), Cathelijne Van Zelst, Gert-Jan Braunstahl, Johannes In 'T Veen

Assessment of dyspnea in severe exacerbation of chronic obstructive pulmonary disease using the Multidimensional Dyspnea Profile (MDP)

Alexander Stump (Essen, Germany), Ulrike Domanski, Maik Schröder, Georg Nilius

Evaluation of bronchial hyperreactivity in patients after Covid-19 infection

Gunta Strazda (Riga, Latvia), Marta Ieviņa, Olga Madaja, Normunds Jurka, Valentina Gordjusina, Immanuels Taivans

Functional capacity testing of citizens with COPD in limited settings - a feasibility study

Anders Løkke (Højbjerg, Denmark), Jeppe Gabriel Spence, John Brincks, Line Neustrup, Elisabeth Bomholt Østergaard

Role of Asthma School in disease management

Martina Zappa (Tradate, Italy), Dina Visca, Patrizia Pignatti, Francesco Ardesi, Rosella Centis, Elisabetta Zampogna, Francesca Cherubino, Federico Mattia Oliva, Laura Sadari, Giovanni Sotgiu, Giovanni Battista Migliori, Antonio Spanevello

Asthma Impairment and Risk Questionnaire (AIRQ) Performance in US Minority Patients

Maureen George (New York, United States), David A. Beuther, Kevin R. Murphy, Robert S. Zeiger, Robert A. Wise, Joan Reibman, Bradley Chipps, Ileen Gilbert, James M. Eudicone, Hitesh N. Gandhi, Karin S. Coyne, William Mccann

Prevalence of depression and anxiety among COPD patients and association with CAT Score: Findings from a lower-middle income country

Manahil Malik (Al Khobar, Saudi Arabia), Taymmia Ejaz, Mahmood Iqbal Malik

Clinical implication of DLCO to reflect disease control in patients with COPD

Sun-young Yoon (Sejong-si, Republic of Korea), Ock-Hwa Kim, Jae Young Moon

Anxiety-depressive syndrome in multi-hospitalized chronic obstructive pulmonary disease patients

KHALED DEGHDEGH (Annaba, Algeria), Lyemna Belaid, Besma Terra, Randa Yakoubi, Ferial Atoui, Rachid Benali, Fouad Khalloufi

"Life-changing"- the experience of super-responders to biologics in severe asthma

Ross Sayers (Exeter, United Kingdom), Joseph Lanario, Lucy Cartwright, Rupert Jones, Michael E. Hyland, Matthew Masoli

Predictors of poor disease control and impaired quality of life (QOL) in patients with severe asthma (SA) in the Wessex Severe Asthma Cohort (WSAC)

Vipula Bataduwaarachchi (Portsmouth, United Kingdom), Thomas Brown, Laura Wiffen, Thomas Jones, Clair Barber, Peter Howarth, Chauhan Anoop

The usability of app-based spirometry tests for detection of exercise-induced bronchoconstriction in athletes

Martine Isachsen (Hägersten, Sweden), Tonje Reier-Nilsen, Julie Stang, Hanne Flatsetøy, Henrik Ljungberg, Björn Nordlund

The value of ventilation-perfusion scintigraphy in severe asthma control characterisation

Diogo Miguel Monteiro Canhoto (Coimbra, Portugal), Cláudia Chaves Loureiro

Identification of new spirometric indices predicting severe COPD

Rim Kammoun (Sfax, Tunisia), Sana Sallemi, Fatma Elleuch, Sana Ben Jmeaa, Ines Kammoun, Kaouthar Masmoudi

Systematic literature review of the impact of asthma control on patient outcomes

Alexandrosz Czira (Brentford, United Kingdom), Xuan Wang, Shivaprasad Singuru, Christos Papagiannopoulos, Kieran Rothnie, Claire Trennery, Shiyuan Zhang

Late Breaking Abstract - Real-world retrospective database analysis of COPD exacerbations before and during the COVID-19 pandemic in Europe (REACT)

Dmitry Galkin (Apex, United States), Alessandro Guasconi, Joseph Imperato, Ruben Hermans, Stefania Pirondi, George Georges

Late Breaking Abstract - Health status relationship with exacerbations in a real-world cohort of patients with physician-assigned COPD in NOVELTY

Hana Müllerová (Cambridge, United Kingdom), Stefan Franzén, Laura Belton, Clement Erhard, Clementine Nordon, Rod Hughes, Mohsen Sadatsafavi, Christer Janson

TP-14

Session

08:30 - 09:30

Thematic poster: Occupational asthma and upper airway diseases**Disease(s) :** Airway diseases Sleep and breathing disorders**Method(s) :** Pulmonary function testing Epidemiology Public health Cell and molecular biology**Chairs :** Orianne Dumas (Villejuif, France), Xavier Munoz Gall (Barcelona, Spain)**Utility of spirometry, metacholine test, induced sputum, exhaled NO and exhaled breath condensate pH for the diagnosis of work-related asthma: a real-life study**

David Soler Segovia (Barcelona, Spain), María Jesús Cruz Carmona, Miquel De Homdedeu, Sílvia Sánchez Díez, Íñigo Ojanguren, David Espejo, Xavier Muñoz Gall

Occupational asthma from welding fumes, all irritant?

Vicky Moore (Birmingham (West Midlands), United Kingdom), Alastair Robertson, Christopher Huntley, Gareth Walters, Sherwood Burge

Household use of green and home-made cleaning products, wipe form and asthma

Emilie PACHECO DA SILVA (Villejuif, France), Guillaume Sit, Marcel Goldberg, Benedicte Leynaert, Rachel Nadif, Celine Ribet, Nicolas Roche, Marie Zins, Raphaëlle Varraso, Orianne Dumas, Nicole Le Moual

Longitudinal associations of household use of cleaning agents and asthma symptoms

Emilie PACHECO DA SILVA (Villejuif, France), Melanie Ngutuka, Orianne Dumas, Laurent Orsi, Pierre Lemire, Joane Quentin, Isabelle Pin, Raphaëlle Varraso, Valerie Siroux, Nicole Le Moual

Preliminary findings of volatile organic compounds, alkaline dusts and formaldehyde exposure in hospital workers and evaluating their relationship with genotoxicity and oxidative stress biomarkers

Ayşe Coşkun Beyan (Izmir, Turkey), Gamze Tuna, Esra Emerce, Gül İşlekel, Yucel Demiral

Occupational exposures, asthma and asthma control in the NutriNet-Santé cohort

Guillaume Sit (Paris, France), Raphaëlle Varraso, Léopold Fezeu, Pilar Galan, Florence Orsi, Emilie Pacheco Da Silva, Mathilde Touvier, Serge Hercberg, Christophe Paris, Nicole Le Moual, Orianne Dumas

Work-related symptoms in students first exposed to laboratory animal after 10 months of follow-up

Elcio Dos Santos Oliveira Vianna (Ribeirao Preto (SP), Brazil), Isabel Bricoleri, Ivana Labadessa

Occupational asthma, rhinitis and contact urticaria in greenhouse workers

Irmeli Lindström (Helsinki, Finland), Pirjo Hölttä, Liisa Airaksinen, Katri Suuronen, Sari Suomela, Hille Suojalehto

Occupational exposure to cleaning agents and respiratory health in healthcare professionals

Behzad Heibati (Oulu, Finland), Maritta S. Jaakkola, Taina K. Lajunen, Inês Paciência, Ali Karimi, Jouni J.K. Jaakkola

Clinical features and risk factors of intermediate-onset asthma.

Martina Turrin (CORDENONS, Italy), Chiara Contin, India Sofia Dalla Rosa, Matteo Bonato, Erica Bazzan, Micaela Romagnoli, Manuel G. Cosio, Marina Saetta, Simonetta Baraldo

Allergic rhinitis in the work environment

Ons Grissa (Tunis, Tunisia), Nihel Khouja, Jihen Hsinet, Emna Baraketi, Saloua Ismaïl, Aida Benzarti, Abdelmajid Ben Jemaa

Respiratory allergies to thermal degradation products of plastic

Ons Grissa (Tunis, Tunisia), Emna Baraketi, Nihel Khouja, Touka Yahyaoui, Salouaa Ismaïl, Aida Benzarti, Jihen Hsinet, Abdelmajid Ben Jemaa

Occupational respiratory allergies to tobacco leaves (About 3 cases)

Ons Grissa (Tunis, Tunisia), Amani Dallagi, Jihen Hsinet, Nihel Khouja, Emna Baraketi, Saloua Ismaïl, Touka Yahyaoui, Aida Benzarti, Abdelmajid Ben Jemaa

Work-related dysphonia in subjects with sensitizer-induced occupational asthma is associated with neutrophilic inflammation

Nicolas Miguères (Strasbourg, France), Olivier Vandenplas, Jolanta Walusiak-Skorupa, Marta Wiszniewska, Xavier Munoz, Hille Suojalehto, Irmeli Lindstrom, Vera Van Kampen, Rolf Merget, Paola Mason, Piero Maestrelli, Joaquin Sastre, Santiago Quirce, Catherine Riffart, Julien Godet, Frédéric De Blay

Relationship between sleep quality and occupational asthma control

Amen MOUSSA (sousse, Tunisia), Asma Chouchane, Lynda Mahjoub, Maher Maoua, Wafa Benzarti, Sana Aissa, Marwa Bouhoula, Asma Aloui, Imen Kacem, Aicha Brahem, Houda Kalboussi, Olf El Maalel, Souheil Chatti, Abdelaziz Hayouni, Nejib Mrizak

Impact of occupational activity on the development or the exacerbation of asthma

Dorra BRAHIM (Tunis, Tunisia), Dorra BRAHIM, Najla Mechergui, Imen Youssef, Hanene Ben Said, Mariem Mersni, Nizar Ladhari

Impact of gender on work productivity loss and activity impairment in asthmatic patients

yosra braham (Monastir, Tunisia), Imen Touil, A Hamdi, Jihen Ayeub, Amira Omrane, R Rhomdhani, Soumaya Bouchareb, S Boujnech, Eya Zaara, T Khalfallah, Leila Boussoffara, Jalel Kneni, Nadia Boudawwara

Assessing asthma control and severity of work-related asthma cases in the NutriNet-Santé cohort

Louis Khan (Rennes, France), Raphaëlle Varraso, Nicole Le Moual, Oriane Dumas, Mathilde Touvier, Léopold Fezeu, Pilar Galan, Serge Hercberg, Christophe Paris

Late Breaking Abstract - Inflammatory endotype before and after specific inhalation challenge in patients with work-related asthma

Paola Mason (Padova (PD), Italy), Diletta Arcidiacono, Eleonora Rachele Paccagnella, Marco Biasioli, Piero Maestrelli, Filippo Liviero, Anna Chiara Frigo

TP-23

Session

08:30 - 09:30

Thematic poster: Pleural and thymic malignancies: from bench to bedside**Disease(s) :** Thoracic oncology**Method(s) :** Endoscopy and interventional pulmonology General respiratory patient care Imaging Epidemiology Surgery Cell and molecular biology Physiology**Chairs :** Kevin Blyth (Glasgow (Glasgow), United Kingdom), Maria Joana Pereira Catarata (Porto, Portugal)**Using InfraRed (IR) Spectroscopy to differentiate between Mesothelioma (Meso), Other Malignant & Non-Malignant pleural effusions**

Lauren Fox (Southampton, United Kingdom), Sharon Glaysher, Alexander Hicks, Michael Ball, Rachelle Ascik, Thomas Brown, Leon D'Cruz, Anoop Chauhan

BAP1 loss in the diagnosis of malignant mesothelioma; review of a regional mesothelioma MDT

Helen McDill (Bristol (Avon), United Kingdom), Alexandra Dipper, Nidhi Bhatt, Amelia Clive, Nick Maskell, Anna Bibby

The Management of Thymoma - a retrospective cohort analysis

Richard Cooper (Malpas, United Kingdom), Mohammed Adil, Muhammad Ganaie

Diagnostic value of the cancer ratio in pleural effusion – a retrospective study

Maria João Cavaco (Coimbra, Portugal), Luis Mateus, André Nunes, Ricardo Cordeiro, Carina Silvestre, Joana Ferra, Daniel Duarte, Carla Cardoso, Paula Raimundo, António Domingos

Has the impact of the COVID-19 pandemic on uptake and usage of indwelling pleural catheters reduced its cost-effectiveness?

Dana Li (London, United Kingdom), Sarah Johnstone, Padmavathi Parthasarathy, Rajini Sudhir, Muhammad Tufail, Rakesh Panchal

Malignant Pleural Effusion and Auto-pleurodesis: Biomarkers, Predictors and Survival

Dinesh Addala (Oxford, United Kingdom), Yiwen Soo, Anand Sundaralingam, Eihab Bedawi, Beenish Iqbal, Najib Rahman

Molecular identification of the primary cilium BBSome complex in pleural mesothelial cells

Erasmia Rouka (Larissa, Greece), Rajesh Jagirdar, Eleanna Pitaraki, Ourania Kotsiou, Chrissi Hatzoglou, Konstantinos Gourgoulianis, Sotirios Zarogiannis

Human malignant pleural mesothelioma derived pleura fluid induces mesenchymal transition of benign pleural mesothelial cells

Sotirios Zarogiannis (Larissa, Greece), Rajesh Jagirdar, Erasmia Rouka, Eleanna Pitaraki, Ourania Kotsiou, Chrissi Hatzoglou, Konstantinos Gourgoulianis

Diagnosis and management of thymomas in the Covid-19 era

Chung-Mei Maggie Cheung (London, United Kingdom), Raquel D'Espiney, Ermanno Capuano, Bernard Yung

Mortality among hospitalized patients with pleural effusions.

ELEFTHERIOS MARKATIS (PLATITERA, Greece), Garifallia Perlepe, Andreas Afhtinos, Konstantinos Pagkratis, Charalampos Varsamas, Eleftheria Chaini, Ilias C. Papanikolaou, Konstantinos I Gourgoulianis

MicroRNAs shuttled by extracellular vesicles within pleural fluids promote lung cancer cell proliferation

Elisabetta Pace (Palermo (PA), Italy), Simona Taverna, Giuseppe Cammarata, Anna Masucci, Ilaria Giusti, Vincenza Dolo

Changes in the primary diagnosis of malignant pleural effusion

Oğuz Karcioglu (Ankara, Turkey), Fatih Tekin, Sevgen Önder, Ziya Toros Selçuk

An Evaluation of optimal pleural fluid volume required for accurate cytological diagnosis of malignancy

Nafisa Hussain (Watford, United Kingdom), Alessio Navarra, Anthony Maddox, Rahul Mogal

Molecular profiling in Pleural Biopsies

Anand Sundaralingam (Oxford, United Kingdom), Avinash Aujayeb, Baki Akca, Clare Tiedeman, Vineeth George, Michael Carling, Jennifer Brown, Radhika Banka, Dinesh Addala, Eihab O Bedawi, Robert H Hallifax, Beenish Iqbal, Poppy Denniston, Maria T Tsakok, Nikolaos Kanellakis, Florian Vafai-Tabrizi, Michael Bergmann, Georg-Christian Funk, Rachel Benamore, John M Wrightson, Najib M Rahman

TP-10

Session

08:30 - 09:30

Thematic poster: Chronic cough, airway diseases and methods

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Epidemiology General respiratory patient care Physiology Cell and molecular biology Endoscopy and interventional pulmonology

Chairs : Augusta Beech (Manchester, United Kingdom), Mikael Adner (Stockholm, Sweden)

IMPALA: efficacy measures in patients who required whole lung lavage

Yoshikazu Inoue (Osaka, Japan), Badrul Chowdhury, Jack Bennett, Dhaval Desai

Assessing human lung pharmacokinetics using exhaled breath particles (PEX)

Jens Hohlfeld (Hannover, Germany), Olaf Holz, Muhammad Waqas Sadiq, Julian Nehrig, Birthe Ellinghusen, Nadja Struß, Ulf G Eriksson, Markus Fridén, Stina Stomilovic, Anders Lundqvist

Improvements in Awake Cough Frequency in SOOTHE, A Phase 2b Trial of BLU-5937 in Refractory Chronic Cough

Jaclyn Smith (Manchester (Greater Manchester), United Kingdom), Lorcan Mearvey, Alyn H. Morice, Surinder S. Birring, James Hull, Sylvain Lanouette, Ronghua Yang, Kristin Bartholomew, Laurent Harvey, Margaret Garin, Catherine M. Bonuccelli

The Effect of Inhaled Salbutamol on Mannitol Evoked Cough Responses: A Double-Blind Randomized Placebo Controlled 2-way Cross-Over Study

Mustafaa Wahab (Hamilton, Canada), Ruth Cusack, Caitlin Obminski, Karen Howie, Abbey Schlatman, Kieran Killian, Paul Obyrne, Imran Satia, Gail Gauvreau

Real World Effectiveness and Tolerability of low-dose opiates for Refractory/Unexplained Chronic Cough (RCC/UCC) in a tertiary clinic

James Wingfield Digby (Manchester (Greater Manchester), United Kingdom), Jenny King, James Wingfield-Digby, Sarah Hennessey, Ashley Woodcock, Jaclyn Smith, Paul Marsden

Safety and tolerability of inhaled molgramostim in autoimmune pulmonary alveolar proteinosis (aPAP)

Francesco Bonella (Düsseldorf, Germany), Jack Bennett, Badrul Chowdhury, Dhaval Desai

Efficacy in SOOTHE, A Phase 2b Trial of BLU-5937 In Refractory Chronic Cough, Was Not Dependant of Taste Disturbance Adverse Events

Surinder S. Biring (London, United Kingdom), Jaelyn A. Smith, Lorcan Mcgarvey, Alyn H. Morice, Alan Goldsobel, Sylvain Lanouette, Ronghua Yang, Anna Levengood, Margaret Garin, Catherine M. Bonuccelli

Characteristics of Participants with Refractory Chronic Cough Enrolled in A Phase 2b Trial of BLU-5937

Alyn Hugh Morice (Cottingham, United Kingdom), Jaelyn A. Smith, Surinder S. Biring, Lorcan Mcgarvey, Peter Dicipinigitis, Mandel Sher, Sylvain Lanouette, Ronghua Yang, Margaret Garin, Catherine M. Bonuccelli

Suicidal ideation, depression and anxiety in chronic cough

Barnaby Hiron (London, United Kingdom), Katie Rhatigan, Anna Simpson, Harini Kesavan, Richard Turner, Jim Hull, Mary Docherty, Caroline Jolley, Surinder S Biring, Peter S P Cho

Health-related quality of life and its determinants in patients with chronic cough: a case-control study

Noeul Kang (Seoul, Republic of Korea), Ha-Kyeong Won, Ji-Hyang Lee, Ji Su Shim, Min-Hye Kim, Sung-Yoon Kang, Han-Ki Park, Eun Jung Jo, Seung Eun Lee, Sang-Heon Kim, Sae-Hoon Kim, Yoon-Seok Chang, Byung-Jae Lee, Min-Woo Jo, Woo-Jung Song

IMPALA-2: choice of DLCO as a primary endpoint in aPAP

Bruce Trapnell (Cincinnati, United States), Dhaval Desai, Badrul Chowdhury

Canadian health care professionals' perceptions on the management and effectiveness of treatment of chronic cough – results from a healthcare sample survey

Nermin Diab (Toronto, Canada), Elena Kum, Mustafaa Wahab, Theodore Abraham, Sevag Sahakian, Paul Hernandez, Harold Kim, Maxime Cormier, Peter Lin, Anne Ellis, Louis-Philippe Boulet, Alan Kaplan, Stephen Field, Imran Satia

Analysis of transport mechanisms of substances applied to the airways in a transparent airway model

Christian Cornelissen (Aachen, Germany), Anja Lena Thiebes, Michael Dreher, Stefanie Gürzing, Manuel Reddemann

The effect of the COVID-19 pandemic on severe asthma care in Europe - will care change for good?

Katrien A.B. Eger (s-Gravenhage, Netherlands), Paroczai Dora, Bacon Alison, Schleich Florence, Sergejeva Svetlana, Bourdin Arnaud, Vachier Isabelle, Zervas Eleftherios, Katsoulis Konstantinos, Papapetrou Dimosthenis, Kostikas Konstantinos, Csoma Zsuzsanna, Heffler Enrico, Giorgio Walter Canonica, Grisle Ineta, Bieksiene Kristina, Palacionyte Jolita, Ten Brinke Anneke, Simone Hashimoto, Smeenk Frank Wjm, Braunstahl Gert-Jan, Van Der Sar Simone, Mihăltan Florin, Nenashva Natalia, Peredelskaya Marina, Zvezdin Biljana, Čekerevac Ivan, Hromiš Sanja, Čupurdija Vojislav, Lazic Zorica, Milenkovic Branislava, Dimic-Janjic Sanja, Yasinska Valentyna, Dahlén Barbro, Bossios Apostolos, Lazarinis Nikolaos, Aronsson David, Egesten Arne, Munir Abdul Kashem Mohammad, Ahlbeck Lars, Janson Christer, Škrat Sabina, Edelbaher Natalija, Leuppi Joerg, Jaun Fabienne, Rüdiger Jochen, Pavlov Nikolay, Gianella Pietro, Fischer Reta, Charbonnier Florian, Chaudhuri Rekha, Smith Steven James, Doe Simon, Fawdon Michelle, Masoli Matthew, Heaney Liam, Haitchi Hans Michael, Kurukulaaratchy Ramesh, Fulton Olivia, Frankemölle Betty, Gibson Toni, Needham Karen, Howarth Peter, Djukanovic Ratko, Bel Elisabeth, Hyland Michael

EVALUATION OF INCIDENCE AND COMPLICATIONS DURING COVID-19 DISEASE IN PATIENTS WITH ASTHMA

Jaime Pavon Guede (Madrid, Spain), Paul Kent Ernesto Freund, Ricardo Antonio Camperos Moreno, Isamar De Agrela Mendes, Katherine Pose, Inés Fernández Concha Llona, Daniel Laorden Escudero, Carlos Javier Carpio Segura, Javier Domínguez Ortega, David Romero Ribate, Itsaso Losantos García, Santiago Quirce, Rodolfo Álvarez-Sala Walther

The perspective of clinical pharmacologist: what is the safety of complex polypharmacy in hospitalized COVID-19 patients?

Kateryna Gashynova (Dnipro, Ukraine), Olena Kovalenko, Vladyslava Rudakova, Kseniia Suska, Natalya But

Validity of a pathological score in the assessment of severe uncontrolled asthma

Hanaa Shafiek (Alexandria, Egypt), Cristina Gomez, Amanda Iglesias, Mar Mosteiro, Ana Gonzalez-Piñeiro, Marta Rodríguez, Mónica García-Cosío, Eladio Busto, Javier Martin, Melchor Saiz, Bairon Paz, Amparo Benito, Luis Mejías, Laura Lopez Vilaro, Borja G. Cosío

A case of excavated pneumopathy after bronchial thermoplasty

Nicolas Miguères (Strasbourg, France), Mathilde Steger, Naji Khayath, Mickael Ohana, Christophe Marcot, Frederic De Blay

Formoterol exerts anti-cancer effects modulating oxidative stress and EMT processes in CSE exposed lung adenocarcinoma cells

Maria Ferraro (Palermo (PA), Italy), Serena Di Vincenzo, Simona Taverna, Elisabetta Pace

TP-2 Session 08:30 - 09:30

Thematic poster: Pulmonary rehabilitation in clinical conditions beyond COVID

Disease(s) : Thoracic oncology Airway diseases Interstitial lung diseases Pulmonary vascular diseases Sleep and breathing disorders

Method(s) : Pulmonary rehabilitation General respiratory patient care Public health Epidemiology

Chairs : Michele Vitacca (Gussago (BS), Italy), Jatu Aphridasari (Surakarta (Central Java), Indonesia)

Late Breaking Abstract - Availability and characteristics of pulmonary rehabilitation programs in family health centers and hospitals from Chile: cross-sectional and multicentric study

Andrea Méndez (Santiago, Chile), Carlos Nieto, Gonzalo Hidalgo

Learning of self-administered Active Cycle of Breathing Technique in patients with nCFb

Rita Santos (Leiria, Portugal), José Ferreira, Sandra Ferreira, João Costa, Filipa Januário

Outpatient pulmonary rehabilitation for patients with lung cancer: a retrospective real-world analysis

Ralf Harun Zwick (Wien, Austria), Oliver Illini, Dietlinde Gatteringer, Milos Petrovic, Arschang Valipour, Hannah Fabikan, Maximilian Johannes Hochmair

Urinary incontinence is frequent among people with chronic respiratory disease attending pulmonary rehabilitation.

Tristan Bonnevie (Saint Léger Du Bourg Denis, France), Fanny Laporte, Léna Bocquet, Pauline Smondack, Guillaume Prieur, Yann Combret, Clément Médrinal, Boujibar Fairuz, Jean-François Muir, Antoine Cuvelier, Francis-Edouard Gravier

Predictors of survival in adults with Duchenne muscular dystrophy

Anne-Christin Stöwhas (Zürich, Switzerland), Michael Furian, Esther Irene Schwarz, Beat Kindler, Michael Rosche, Frank Habersatter, Henning Arndt, Konrad Ernst Bloch

Cognitive and psychological consequences of moderate-to-severe COVID-19 pneumonia: associations with clinical variables in convalescent patients without previous comorbidities.

Claudio Candia (Naples, Italy), Pasquale Moretta, Pasquale Ambrosino, Anna Lanzillo, Salvatore Fuschillo, Antimo Papa, Luigi Trojano, Eliana Sferra, Antonio Molino, Mauro Maniscalco

Rehabilitation facilitates the natural recovery of symptoms, mental health and quality of life outcomes post COVID-19.

Andreas Asimakos (Athens, Greece), Stavroula Spetsioti, Ioannis Vogiatzis, Aspasia Mavronasou, Pandelis Gounopoulos, Dimitra Siousioura, Efi Dima, Niki Gianiou, Ioanna Sigala, Sofia Pappa, Spyros Zakyntinos, Anastasia Kotanidou, Paraskevi Katsaounou

A psychological needs analysis of individuals with Long-Covid

Amy Barradell (Leicester (Leicestershire), United Kingdom), Claire Bourne, Sally Singh, Noelle Robertson

Early experiences of the your COVID recovery® programme for individuals with long COVID

Phoebe H I Lloyd-Evans (Leicester, United Kingdom), Molly M Baldwin, Enya Daynes, Annabel Hong, George Mills, Amye Goddard, Emma Chaplin, Nikki Gardiner, Sally J Singh

Employment status of referrals to a regional Long COVID service in the United Kingdom.

Hafsa Shams-Khan (Liverpool, United Kingdom), Nneka Nwosu, Laura Watkins, Gurinder Tack

Effects of pulmonary rehabilitation on major symptoms of long COVID (post-COVID-19 syndrome)

Esperance Moine (Lodeve, France), Virginie Molinier, Francois Alexandre, Adriana Castanyer, Antonin Vernet, Amandine Calvat, Perrine Magrina, Melissa Roux, Audrey Fauge, Joan Lluís Aliaga Parera, Nicolas Oliver, Nelly Heraud

Effects of pharmacological and non-pharmacological interventions on physical activity outcomes in chronic respiratory diseases: a systematic review and meta-analysis

Dimitrios Megaritis (Newcastle upon Tyne, United Kingdom), Emily Hume, Nikolaos Chynkiamis, Christopher Buckley, Ashley Polhemus, Henrik Watz, Thierry Troosters, Ioannis Vogiatzis

The first-year experience of a long covid clinic in a UK district general hospital

Alarmeluvalli Sivaramakrishnan (Aylesbury, United Kingdom), Jaiminkumar Patel, Imogen Cotter, Tania Emiliou, Mitesh Desai, Mitra Shahidi

Clinical phenotyping in COPD patients treated with triple therapy and admitted to a rehabilitative center: a real-world retrospective study.

Michele Vitacca (Gussago (BS), Italy), Beatrice Salvi, Piero Ceriana, Luigino Rizzello, Antonio Spanevello, Mauro Maniscalco, Bruno Balbi, Claudio Bruschi, Paolo De Nardi, Mara Paneroni

The appropriate outcome measure of pulmonary rehabilitation in individuals with chronic obstructive pulmonary disease

Michele Vitacca (Gussago (BS), Italy), Mara Paneroni, Beatrice Salvi, Nico Ambrosino

Striking high prevalence of quadriceps strength non-response after pulmonary rehabilitation in COPD

Marion Desachy (Jacou, France), Virginie Molinier, Francois Alexandre, Elodie Four, Laurene Charbonnel, Alain Varray, Nelly Heraud

How do Motor Neurone Disease (MND) patients perceive a Home Visit (HV) service at the Royal Berkshire Hospital (RBH)?

Francesca Knight (Reading, United Kingdom), Karen Cranstone, Anne McGown, Grace Robinson

Functional recovery of hospitalised patients with covid-19: a prospective cohort study

Marla Beauchamp (Hamilton, Canada), Renata Kirkwood, Andrew Costa, Mylinh Duong, Terence Ho, Rebecca Kruisselbrink, Hope Morrison, Aaron Jones, Parminder Raina

Impact of COVID-19 restrictions on physical activity in adults with severe asthma: a preliminary two-year retrospective analysis

Caroline Reilly (Leeds, United Kingdom), Ian Clifton, Daniel Peckham, Antonios Stavropoulos-Kalinoglou, Oliver Price

Clinical and functional characteristics of patients recovering from severe COVID-19 attending an inpatient pulmonary rehabilitation program

Luca Nicola Cesare Bianchi (Rovato (BS), Italy), Silvia Campagnini, Chiara Arienti, Andrea Mannini, Giorgia Mancini, Alessandro G Calabrò, Lucrezia Pianigiani, Paolo I Banfi, Janis Ruggeri, Serena Monteleone, Roberto Porta, Francesco Gigliotti

TP-18

Session

08:30 - 09:30

Thematic poster: Extrapulmonary traits and respiratory physiotherapy**Disease(s) :** Airway diseases Thoracic oncology Pulmonary vascular diseases**Method(s) :** Epidemiology General respiratory patient care Pulmonary rehabilitation Physiology Public health**Chairs :** Andre Nyberg (Umeå, Sweden), Elena Gimeno Santos (Barcelona, Spain)**Functional status and impact of the disease in people with COPD according to symptoms' burden**

Ana Filipa Machado (Senhora da Hora, Porto, Portugal), Joana Antão, Sara Souto-Miranda, Vânia Rocha, Ana Alves, Joana Cruz, Cristina Jácome, M Aurora Mendes, Vitória Martins, Paula Simão, Chris Burtin, Alda Marques

Pain and fatigue inference in patients with severe COPD refraining from PR attendance: A cross-sectional multicenter study

Henrik Hansen (Dragør, Denmark), Jeanette Hansen, Stig Mølsted, Charlotte Suppli Ulrik, Nina Godtfredsen

Investigation of the relationship between cognitive function and upper extremity exercise capacity in COPD- a pilot study

Elvan Felekoglu (Izmir, Turkey), Bedriye Dag, Ilknur Naz, Melissa Kopruluoglu, Hulya Sahin

Effect of physical effort on postural balance in COPD and OSA

Caroline Maschio de Censo (São Paulo, Brazil), Viviane Vieira Passini, Bárbara Aparecida Teodoro Alcantara Verri, Regina Maria De Carvalho- Pinto, Rafael Stelmach, Geraldo Lorenzi-Filho, Rafaella Fagundes Xavier, Celso Ricardo Fernandes Carvalho

Postural balance in COPD with obstructive sleep apnea: a cross-sectional study

Caroline Maschio de Censo (São Paulo, Brazil), Viviane Vieira Passini, Bárbara Aparecida Teodoro Alcantara Verri, Regina Maria De Carvalho-Pinto, Rafael Stelmach, Geraldo Lorenzi-Filho, Rafaella Fagundes Xavier, Celso Ricardo Fernandes Carvalho

Brain-heart autonomic axis, health status, symptomatology and functionality in AECOPD

Renata Mendes (Sao Carlos (SP), Brazil), Renata Gonçalves Mendes, Nathany Souza Schafausser, Nicole Marques Sgarbosa, Erika Zavaglia Kabbach, Alessandro Domingues Heubel, Débora Mayumi De Oliveira Kawakami, Naiara Tais Leonardi, Audrey Borghi-Silva

Characteristics of individuals with moderate to severe asthma who better respond to aerobic training: a cluster analysis

Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil), Adriana Lunardi, Patricia Freitas, Tiago Endrigue, Ronaldo Silva, Felipe Mendes, Andreza França, Regina Carvalho-Pinto

Relationship of dietary pattern with body composition and symptoms in patients with COPD

Joana Cruz (Leiria, Portugal), Tiago Novo, Sofia Flora, Marlene Lages, Nádía Hipólito, Marisa Cebola, Maria P. Guarino

Cardiac autonomic function, exercise capacity and physical activity in patients with COPD

Fien Hermans (Gent, Belgium), Eva Arents, Astrid Blondeel, Patrick Calders, Thierry Troosters, Eric Derom, Heleen Demeyer

Factors associated with asthma-related quality of life in moderate-to-severe asthma

Karen Hjerrild Andreasson (Næstved, Denmark), Mike Thomas, Søren T Skou, Uffe Bodtger

Validity and Reliability of upper limb muscles strength measurements by handheld dynamometer in COPD

Marc Beaumont (Morlaix, France), Loic Péran, Anne-Cécile Berriet, Rodolphe Keller, Catherine Le Ber

Investigation of Factors Associated with Fall Risk in Lung Cancer Survivors

Büsra Turgut (Izmir, Turkey), Ilknur Naz, Sevtap Günay Uçurum, Berna Kömürçüoğlu, Derya Özer Kaya

Investigation of the relationship between balance, self-confidence, fear of falling, and physical function in cancer patients who have undergone lung resection.

Büsra Turgut (Izmir, Turkey), Ilknur Naz, Sevtap Gunay Ucurum, Berna Komurcuoglu, Derya Ozer Kaya

Fatigue in COPD patients on long term oxygen therapy: a cross-sectional study

Mara Paneroni (Mazzano (BS), Italy), Michele Vitacca, Laura Comini, Beatrice Salvi, Massimo Venturelli

Comparison of Sitting Balance and Functional Independence Levels of COPD Patients Receiving and Not Receiving Non-Invasive Mechanical Ventilation Therapy

Büsra Turgut (Izmir, Turkey), Ilknur Naz, Cenk Kıraklı

Comparison of Disease Knowledge Level, Dyspnea, Disease Status and Quality of Life in COPD Patients with and without Comorbidities

Elvan Felekoglu (Izmir, Turkey), Melissa Köprülüoğlu, Ilknur Naz, Hülya Şahin

Association of sleep quality-quantity with sedentary time and physical activity in bronchiectasis

Victoria Alcaraz Serrano (Barcelona, Spain), Beatriz Herrero-Cortina, Ane Arbillaga-Etxarri, Rodrigo Torres-Castro, Joan Daniel Martí-Romeu, Laia Fernández-Barat, Antoni Torres-Martí, Elena Gimeno-Santos

Late Breaking Abstract - Innovative exercise for optimizing exercise intensity in COPD

Johan Jakobsson (Umeå, Sweden), Jana De Brandt, Mattias Hedlund, Anna-Clara Rullander, Andre Nyberg

TP-1 Session 08:30 - 09:30**Thematic poster: Clinical problems in respiratory medicine: 1****Disease(s) :** Airway diseases Interstitial lung diseases**Method(s) :** General respiratory patient care Imaging Epidemiology Public health Pulmonary function testing**Chairs :** Jan Willem Duitman (Lelystad, Netherlands), Tiziana Patrizia Cremona (Bern, Switzerland)**Persistent interstitial involvement in relation to the severity of SARS CoV-2 infection**

Ana Roca Noval (Madrid, Spain), Rocío García García, Miguel Jiménez Gómez, Eduardo Catalinas Muñoz, Julia Diaz Miravalls, Layla Diab Cáceres

Modification of the Rheumatoid Arthritis (RA) Patient Reported Experience Measure (PREM) for patients with Interstitial Lung Disease (ILD)

Jessica Mandizha (Exeter, United Kingdom), Anna Duckworth, Howard Almond, Graham Brown, Sarah Lines, Ana Jorge Da Ponte, Rebecca Shuttleworth, Joe Lanario, Matthew Steward, Ross Sayers, Chris Scotton, Michael Gibbons, Anne-Marie Russell

Late-onset noninfectious pulmonary complications after allogeneic hematopoietic stem cell transplantation- risk factors, prognosis

Özlem Isik (Ankara, Turkey), Güldane Cengiz Seval, Serhat Erol, Selami Koçak Toprak, Özlem Özdemir Kumbasar

Immunoglobulin G4-related thoracic disease: clinical and radiological findings of an eastern mediterranean cohort

Asli Alkan Oncel (Ankara, Turkey), Gamze Durhan, Gozde Kubra Yardimci, Umran Ozden Sertcelik, Bayram Farisogullari, Macit Ariyurek, Omer Karadag, Deniz Koksall

COVID-19 patients : predictive factors for home therapy oxygen

Nouha Guediri (Tunis, Tunisia), Islam Mejri Lajili, Nouha Boubaker, Selsebil Dabboussi, Samira Mhamdi, Chiraz Aichaouia, Zied Moatameri

COVID-19 and comorbidity: possible complications of the complex pharmacotherapy

Kateryna Gashynova (Dnipro, Ukraine), Olena Y. Kovalenko, Olena N. Kovalenko, Vladyslava Rudakova

The examination of the second-line chemotherapy in SCLC patients with interstitial lung disease

Ryohiko Ozaki (Tokushima, Japan), Hiroshi Nokihara, Youhei Yabuki, Atsushi Mitsuhashi, Hiroto Yoneda, Kenji Otsuka, Hirokazu Ogino, Yasuhiko Nishioka

Service evaluation of cardiac MRI imaging in patients presenting with an undiagnosed eosinophilia

Hnin Wint Aung (Market Harborough, United Kingdom), Kay Kyaw, Mohammad Bilal Habib, Shamsa Naveed, Salman Siddiqui

Distribution of sequelae in post-covid patients according to previous need of respiratory support

Enrico Buonamico (Bari (BA), Italy), Andrea Portacci, Fabrizio Diaferia, Paola Pierucci, Esterina Boniello, Ilaria Iorillo, Cristian Locorotondo, Sara Quaranta, Ernesto Lulaj, Giovanna Elisiana Carpagnano

Long-term symptoms in patients with EVALI (e-cigarette or vaping associated lung injury) compared with people who vape

Denitza Blagev (Salt Lake City, United States), Sean Callahan, Dixie Harris, Dave Collingridge, Mona Hopkins, Jackie Eve, Lindsey Waddoups, Valerie Aston, Samuel Brown, Michael Lanspa

Bacterial Etiology of Slow Resolving Pneumonia in adults: Study of 138 cases

Muhammad Irfan (Lahore (Punjab), Pakistan), Syed Amir Gilani, Ejaz Qureshi, Abdul Rasheed Qureshi

Predictive factors for Long COVID in adults previously hospitalized for COVID-19

Leila Douik El Gharbi (Ariana, Tunisia), Ines Moussa, Tasnim Znegui, Imen Sahnoun, Maroua Bougacha, Asma Allouche, Chiraz Ksouri

Idiopathic Pulmonary Fibrosis in Australia: A cost of illness study.

Ingrid A. Cox (Bellerive (TAS), Australia), Barbara De Graaff, Hasnat Ahmed, Julie Campbell, Petr Otahal, Tamera Corte, Yuben Moodley, Nicole Goh, Peter Hopkins, Sacha Macansh, Haydn Walters, Andrew Palmer

Gender differences in frequency-based parameters of COVID-19 cough at varying levels of disease severity

Clare Davidson (Barcelona, Spain), Oswaldo Antonio Caguana, Manuel Lozano-García, M Arita, Luis Estrada-Petrocelli, Ignasi Ferrer-Lluis, Yolanda Castillo-Escario, P Ausín, Joaquim Gea, Raimon Jané

Comparing patient outcomes from COVID-19 infection across three separate waves

Paren Chohan (BROMSGROVE, United Kingdom), Andrew Crawford, Muhammad Zafar, Ellepola Wijayasinghe, Mazhar Chaudri

Prone positioning procedure in COVID-19 radiological phenotypes

Pasquale Tondo (Foggia, Italy), Giulia Scioscia, Filomena Simone, Giulio Giganti, Michela Salvemini, Antonella Giuliani, Anela Hoxhallari, Maria Pia Foschino Barbaro, Donato Lacedonia

Younger Age as a Predictor of Mortality from COVID-19 in Hematological Patients

Kateryna Gashynova (Dnipro, Ukraine), Hanna Usenko

Intra-hospital complications during SARS-CoV2 infection

safa marzouki (ben arous, Tunisia), Sabrina Louhaichi, Besma Hamdi, Jamel Ammar, Agnes Hamzaoui

Interstitial lung abnormalities – real-world evidence

Carina Rôlo Silvestre (S. João das Lampas, Portugal), Catarina Custódio, Susana Clemente, Silvia Rodrigues, Sofia Furtado, Rui Maio

Differences between former smokers and non-smokers during post-Covid period

Darjan Ranilović (Zagreb, Croatia), Ivan Marasović, Ivona Kovačević, Đivo Ljubičić, Jasna Tekavec-Trkanjec

TP-11

Session

08:30 - 09:30

Thematic poster: Exacerbations in COPD: biomarkers and management**Disease(s) :** Airway diseases**Method(s) :** General respiratory patient care Epidemiology Pulmonary function testing Cell and molecular biology Physiology**Chairs :** Bernardino Alcazar Navarrete (Cájar, Spain), Chair to be confirmed**Sputum rheology in stable and exacerbated chronic obstructive pulmonary disease**

Abdulmalik Abdi (, Switzerland), Desiree Schumann, Léo Franchetti, Wei-Chih Chen, Michael Tamm, Daiana Stolz

Variability of fractional exhaled nitric oxide may predict acute exacerbations in COPD

Eleni Papakonstantinou (Basel, Switzerland), Desiree Schumann, Konstantinos Kostikas, Leticia Grize, Michael Tamm, Daiana Stolz

Symmetric Projection Attractor Reconstruction: Analysis of waveform morphology predicts COPD exacerbations

Miquel Serna Pascual (London, United Kingdom), Rebecca D'Cruz, Ying Huang, Philip Aston, Caroline Jolley, Gerrard Rafferty, Joerg Steier, Manasi Nandi

Clinical characteristics of eosinophilic and noneosinophilic exacerbations of COPD: relationship with sputum eosinophils and FENO

Balazs Antus (Budapest, Hungary), Csilla Paska, Imre Barta

Respiratory reactance is related to future COPD exacerbations

Andrei Malinovski (Uppsala, Sweden), Karin Lingman, Christer Janson, Kristina Bröms, Karin Lisspers, Björn Ställberg, Marieann Högman

Clinical consequences of health measures and lock down for covid-19 in exacerbations in patients with chronic obstructive pulmonary disease (COPD)

Carlos Manzano Senra (Lleida, Spain), Laura Alcarraz, Anna Moncusí, Sally Santistevé, Jessica Gonzalez, Ferran Barbé

SYSTEMIC PROTEOMIC PROFILES OF COPD PATIENTS AT CLINICAL STABILITY AND EXACERBATION

César Jessé Enriquez-Rodríguez (Barcelona, Spain), Carme Casadevall, Sergi Pascual-Guardia, Rosa Faner, Germán Peces-Barba, José Luis López-Campos, Eduard Monsó, Alvar Agustí, Joaquim Gea Guiral

Relationship between the microbiome and the GOLD Stage during exacerbations

Laia Fernandez Barat (Barcelona, Spain), Ruben Lopez-Aladid, Leticia Bueno-Freire, Adrian Ceccato, Arturo Huerta, Nestor Soler, Antoni Torres

Heart Rate Recovery After Cardiopulmonary exercise test Predicts Acute Exacerbation in COPD

Shan Nie (Beijing, China), Ailin Yang, Wei Yuan, Bo Xu, Nan Jia, Haoyan Wang

Modifiable factors associated with acute exacerbations in patients with chronic obstructive pulmonary disease

Shehanaaz Begum (Trivandrum, India), Reshmi Nair, Kamala R, Anithakumari K

COVID-19 incidence and hospitalization in routine clinical practice among COPD patients in England in 2020

Kieran Rothnie (London, United Kingdom), Theo Tritton, Xu Han, Tim Holbrook, Beade Numbere, Alexander Ford, Lucy Massey, Qinggong Fu, Fiona Hutchinson, Helen Birch, David Leather, Raj Sharma, Chris Compton, Afisi Ismaila

Impact of rs16969968 polymorphism (SNP 5) on epithelial differentiation in COPD patients

Lynda SABER CHERIF (REims, France), Zania Diabasana, Jeanne-Marie Perotin, Julien Ancel, Phillipe Gosset, Uwe Maskos, Gaetan Deslée, Valerian Dormoy

COPD and COVID-19: a dangerous association?

Lucía Méndez González (Santa Maria da Feira, Portugal), Jorge Ferreira, Cátia Caneiras

Are neutrophil to lymphocyte ratio and platelet to lymphocyte ratio a useful markers to predict the severity of COPD and future acute exacerbation?

Aissa Sana (Sousse, Tunisia), Omrane Asma, Knaz Asma, Benzarti Wafa, Ben Jazia Rahma, Kacem Ameni, Gargouri Imene, Abdelghani Ahmed, Hayouni Abdelaziz

A visual and innovative representation of the clinical trajectory of patients after an acute exacerbation of COPD. Results of the COHERENT-COPD study

Gema Maria Siesto Lopez (AVILA, Spain), Joaquín Sánchez-Covisa Hernández, Clara Goñi Echeverría, Héctor Bueno Zamora, José Luis Bernal Sobrino, Mónica Juárez Campo, Maria Piñeiro Roncal, Maria Teresa Tejedor Ortiz, Carlos José Álvarez Martínez

Utility of echocardiographic measurement in assessing pulmonary arterial hypertension (PH) in COPD and correlation with severity and potential risk of acute exacerbation within 30 days

Aissa Sana (Sousse, Tunisia), Omrane Asma, Benzarti Wafa, Knaz Asma, Ben Jazia Rahma, Kacem Amani, Gargouri Imene, Abdelghani Ahmed, Hayouni Abdelaziz

Mortality according to age, sex, or congestive heart failure after an acute COPD exacerbation. COHERENT-COPD study.

Maria Piñeiro Roncal (Madrid, Spain), Eduardo Catalinas Muñoz, Joaquín Sánchez-Covisa Hernández, Clara Goñi Echeverría, Héctor Bueno Zamora, Jose Luis Bernal Sobrino, Mónica Juárez Campo, Maria Teresa Tejedor Ortiz, Gema Maria Siesto López, Carlos José Álvarez Martínez

Applying machine learning to telehealth care data to predict acute COPD exacerbations.

Petra Jacobson (LINKÖPING, Sweden), Marina Santini, Leili Lind, Hans Lennart Persson

Blood eosinophil counts during severe exacerbations do not reflect stable state inflammatory phenotype in COPD

Arun Prasad (Newcastle Upon Tyne, United Kingdom), Carlos Echevarria, John Steer, Stephen C Bourke

Hyperhomocysteinemia as the main thrombophilic risk marker in COPD

Elnorahon Abduganieva (Tashkent, Uzbekistan), Irina Liverko

TP-25

Session

08:30 - 09:30

Thematic poster: Risk assessment in pulmonary arterial hypertension

Disease(s) : Pulmonary vascular diseases

Method(s) : Imaging Physiology Epidemiology General respiratory patient care Public health Pulmonary function testing Cell and molecular biology Transplantation

Chairs : Athénais Boucly (Le Kremlin Bicêtre, France), Vasile Foris (Graz, Austria)

Validation of EmPHasis-10 health-related quality of life assessment tool in Canadian patients with pulmonary hypertension.

Jason Weatherald (Edmonton, Canada), Ainslie McBride, Doug Helmersen, Naushad Hirani, Mitesh Thakrar, Mitham Kularatne, Jonathan Liu, Lea Harper, Hina Iqbal, Aruba Naser, Rhea Varughese

Narrative medicine to investigate patients' and caregivers' experience of pulmonary arterial hypertension: the inspectio study

Fabiana Baldi (Rome, Italy), Fabiana Baldi, Laura Scelsi, Pietro Ameri, Gian Piero Perna, Carlo D'Agostino, Piergiuseppe Agostoni, Natale Daniele Brunetti, Lorenzo Dagna, Giuseppe Galgano, Antonietta Cappuccio, Alessandra Fiorencis, Francesco Rucci, Roberta Termini, Stefano De Santis

Correlation of emPHasis-10 with clinical tests: insights from the ASPIRE registry

Samer Alabed (Sheffield, United Kingdom), Krit Dwivedi, Charlotte Durrington, Faisal Alandejani, Robert Lewis, Charlie Eelliot, Athanasios Charalampopoulos, Roger Thompson, Abdul Hameed, Alexander Rothman, Iain Armstrong, Robin Condliffe, Andy J Swift, David G Kiely

Health disparities and differences in health-care-utilization in patients with pulmonary arterial hypertension

Da-Hee Park (Hannover, Germany), Tanja Meltendorf, Kai G. Kahl, Jan C. Kamp, Manuel J. Richter, Marius M. Hoepfer, Karen M. Olsson, Jan Fuge

Prognostic importance of centrilobular ground glass changes in patients with Idiopathic Pulmonary Arterial Hypertension

krit Dwivedi (Sheffield, United Kingdom), Michael Sharkey, Robert Lewis, Michail Mamalakis, Samer Alabed, Smitha Rajaram, Catherine Hill, David Kiely, Jim Wild, Andrew Swift, Robin Condliffe

The significance of normal lung regions on quantitative CT in pulmonary hypertension

Tadasu Okaya (Tokyo, Japan), Ayako Shigeta, Nobuhiro Tanabe, Akira Nishiyama, Hajime Yokota, Toshihiko Sugiura, Seiichiro Sakao, Koichiro Tatsumi, Takuji Suzuki

Different exercise tests with different risk assessment in PAH patients

Amaya Martinez Meñaca (Santander (Cantabria), Spain), Raquel Luna Lopez, Víctor Manuel Mora Cuesta, Teresa Segura De La Cal, Alejandro Cruz Utrilla, Pilar Alonso Lecue, Jose Manuel Cifrian Martínez, Pilar Escribano Subias

Limitations of functional class for predicting severity in pulmonary hypertension in Colombia

Manuel Conrado Pacheco Gallego (Pereira (Risaralda), Colombia), Rafael Conde, Alejandro Londoño, Carlos Jaime Velásquez, Ricardo Gómez-Palau, Diana Tiga, Juliana De Luque, Alba Ramírez-Sarmiento, Mauricio Orozco-Levi

COMPERA score revised: better risk estimation to better tailor therapeutics in precapillary hypertension.

Joana Brito (Lisbon, Portugal), Pedro Alves Da Silva, Sara Couto Pereira, Beatriz Garcia, Joana Rigueira, Tatiana Guimarães, Ana G Almeida, Fausto J Pinto, Rui Placido

Utility of the six minute walking test (6MWT) in the follow-up of patients with pulmonary arterial hypertension (PAH), is there a correlation between the distance walked and oxygen consumption?

Isabel Muñoz Ramirez (Seville, Spain), Alfonso Marin Andreu, Raquel De Andrés David, Aureliano Ais Daza, Maria Morales Gonzalez, Aurelio Arnedillo Muñoz

CMR assessed maladaptive right ventricular remodelling predicts treatment failure in pulmonary arterial hypertension

Ze Ming Goh (Leeds, United Kingdom), Nithin Balasubramanian, Samer Alabed, Krit Dwivedi, Yousef Shahin, Alexander Mk Rothman, Pankaj Garg, Allan Lawrie, David Capener, A.A. Roger Thompson, Faisal Alandejani, James M Wild, Christopher S Johns, Robert A Lewis, Rebecca Gosling, Michael Sharkey, Robin Condliffe, David G Kiely, Andrew J Swift

Prognostic impact of hypochromic erythrocytes in patients with pulmonary arterial hypertension

Vivienne Theobald (Heidelberg, Germany), Panagiota Xanthouli, Nicola Benjamin, Alberto Marra, Anna D'Agostino, Benjamin Egenlauf, Memoona Shaukat, Cao Ding, Antonio Cittadini, Eduardo Bossone, Maria Kögler, Ekkehard Grünig, Martina Muckenthaler, Christina Eichstaedt

Risk stratification approaches perform differently in SSc-associated PAH in EUSTAR

Anna Maria Hoffmann-Vold (Oslo, Norway), Hilde Jenssen Bjørkekjær, Cosimo Bruni, Patricia E. Carreira, Paolo Airò, Carmen-Pilar Simeón-Aznar, Marie-Elise Truchetet, Alessandro Giollo, Alexandra Balbir-Gurman, Mickaël Martin, Christopher Denton, Armando Gabrielli, Håvard Fretheim, Imon Barua, Helle Bitter, Øyvind Midtvedt, Kaspar Broch, Arne Kristian Andreassen, Yoshiya Tanaka, Gabriela Riemekasten, Ulf Müller-Ladner, Marco Matucci Cerinic, Ivan Castellví, Elise Siegert, Eric Hachulla, Oliver Distler

Pulmonary Arterial Hypertension risk assessment model using Bayesian Network analysis

Charles Fauvel (Columbus, United States), Zilu Liu, Shili Lin, Priscilla Correa-Jaque, Amy Webb, Rebecca Vanderpool, Raymond Benza

Oxygenated hemoglobin as prognostic marker among patients with systemic sclerosis screened for pulmonary hypertension

Ojan Gordjani (Gelnhausen, Germany), Panagiota Xanthouli, Christina Eichstaedt, Nicola Benjamin, Franziska Trudzinski, Benjamin Egenlauf, Satenik Harutyunova, Alberto Marra, Nicklas Milde, Christian Nagel, Norbert Blank, Hanns-Martin Lorenz, Ekkehard Grüning

Prediction of peak oxygen uptake from 6-minute walk test in pulmonary hypertension

Simon Raphael Schneider (Zürich, Switzerland), Paula Appenzeller, Fiorenza Gautschi, Julian Müller, Mona Lichtblau, Stéphanie Saxer, Esther Irene Schwarz, Silvia Ulrich

Ventilatory limitation during cardiopulmonary exercise testing predicts survival in patients with pulmonary arterial hypertension with Eisenmenger physiology

Chinthaka Samaranyake (London, United Kingdom), Ruth Mcniven, Aleksander Kempny, Laura C Price, Carl Harries, Michael Gatzoulis, Konstantinos Dimopoulos, S John Wort, Colm McCabe

D-Dimer predicts mortality in a real-life cohort of patients with indication for right heart catheterization

Vasile Foris (Graz, Austria), Florian Prüller, Gabor Kovacs, Alexander Avian, Philipp Douschan, Teresa Sassmann, Katarina Zeder, Markus Herrmann, Horst Olschewski

Lung transplantation in pulmonary arterial hypertension (PAH): survival analysis according to PAH risk

Marta Zapata Ortega (Barcelona, Spain), Eva Revilla López, Berta Sáez Gimenez, Cristina Berastegui García, Marta Arjona Peris, Víctor Monforte Torres, Carlos Bravo Masgoret, Enric Domingo Ribas, Manuel López Meseguer

Elevated alveolar nitric oxide in precapillary pulmonary hypertension decreases after therapy

Balázs Csoma (Budapest, Hungary), Györgyi Csósza, Gergő Szűcs, Veronika Müller, Kristóf Karlócai, Zsófia Lázár

TP-13

Session

08:30 - 09:30

Thematic poster: Miscellaneous: biomarkers for the management of chronic lung diseases

Disease(s) : Airway diseases Pulmonary vascular diseases Interstitial lung diseases Respiratory critical care Sleep and breathing disorders Thoracic oncology

Method(s) : Epidemiology Public health Pulmonary function testing Physiology

Chairs : Justus Simba (Thika, Kenya), Nikoletta Rovina (Athens, Greece)

Characteristics of medication errors among respiratory drugs within the Food and Drug Administration's Adverse Event Reporting System

Katia Mc Verhamme (Rotterdam, Netherlands), Victor Pera, Peter Rijnbeek, Johan Van Der Lei, Jan Kors, Rowan Parry, Erik Van Mulligen, Marcel De Wilde, Guy Brusselle, Guy Brusselle

Abdominal and general obesity: associations with asthma and COPD in women and man.

Marta Alina Kisiel (Uppsala, Sweden), Andrei Malinovschi, Eva Lindberg, Mathias Holm, Thorarinn Gislason, Vivi Schlunssen, Karl Franklin, Ane Johannessen, Christer Janson

Programmatic advantage of cost-effective and highly sensitive rapid COVID-19 diagnostic with two-step screening strategy for airport quarantine in Bangladesh

Farzana Zaman (Dhaka, Bangladesh), Muhammad Asaduzzaman

Spatial assessment of disease surveillance during the first wave of the COVID-19 pandemic

Florence Tydeman (glasgow, United Kingdom), Kim Kavanagh, Chris Robertson

Incidence of dyspnea and hyperventilation syndrome after COVID-19

Sabrina Majdoub Fehri (Nabeul, Tunisia), Wafa Madi, Rahma Sellami, Ahmed Dhiaa Eleuch, Racem Ammar, Imen Ketata, Hamida Kwass

Tuberculosis in healthcare workers of Ukraine

Artemii Bogomolov (Vinnitsia, Ukraine), Sergii Zaikov, Oksana Litvinyuk

Characterisation and burden of eosinophilic granulomatosis with polyangiitis: a European retrospective study

Rupert Jakes (London, United Kingdom), Namhee Kwon, Lynn Huynh, Jeremiah Hwee, Lee Baylis, Rafael Alfonso-Cristancho, Shawn Du, Anamika Khanal, Mei Sheng Duh

Reference values for respiratory impedance in adult men and women: data from the Austrian LEAD Study.

Christoph Valach (Vienna, Austria), Emiel F. M. Wouters, Alina Ofenheimer, Patricia Puchhammer, Pasquale P. Pompilio, Alessandro Gobbi, Marie K. Breyer, Sylvia Hartl, Otto C. Burghuber, Robab Breyer-Kohansal

Respiratory symptoms and lung function in Women

Nadia Hammache (Alger, Algeria), Salim Nafti, Rachid Abdellaziz

Association of tuberculosis infection with asthma in a european multinational cohort

Sanjay Gyawali (Bergen, Norway), Juan Pablo López Cervantes, Tehmina Mustafa, Cecilie Svanes, Rajesh Shigdel

Treatment with oral anticoagulants and risk of mortality in COVID-19 patients

Sarah Altaraihi (Copenhagen, Denmark), Peter Kamstrup, Josefin Eklöf, Pradeesh Sivapalan, Jens Ulrik Stæhr Jensen

Associations for food and carbohydrate intake with asthma in young Chinese adults from Singapore and Malaysia

Qi Yi Ambrose Wong (Singapore, Singapore), Jun Jie Lim, Jun Yan Ng, Praneeth Malipeddi, Wei Yi Teo, Yi Ying Eliza Lim, Yi Ru Wong, Keng Fu Teh, Smyrna Moti Rawanan Shah, Kavita Reginald, Yee How Say, Sri Anusha Matta, Yang Yie Sio, Fook Tim Chew

The many diseases associated with dyspnoea: a MeSH term and semantic analysis of the PubMed literature

Troy Cross (Forest Lodge, Australia), Sarah Morris, Hayley Lewthwaite

Association between candidate gene polymorphisms and total IgE in adult subjects with asthma: preliminary results from the GEIRD study

Valentina Lando (Verona, Italy), Lucia Calciano, Giovanni Malerba, Cristina Bombieri, Marcello Ferrari, Nicola Murgia, Morena Nicolis, Mario Olivieri, Simone Accordini

Adipokines in restrictive spirometric pattern

Ulf Nilsson (Umeå, Sweden), Hermon Amman, Stefan Söderberg, Anders Blomberg, Helena Backman, Anne Lindberg

Second primary lung cancer, an increasingly recognised entity in cancer survivors.

Hardeep Singh Kalsi (London, United Kingdom), Des Campbell, Nick Low, Richard Lee

Bronchiectasis and pneumonia-hospitalization risk: The impact of social distancing measures – A cohort study

Valdemar Rømer (Copenhagen, Denmark), Martina Bjørka Fosgaard, Pradeesh Sivapalan, Josefin Eklöf, Mohamad Isam Saeed, Louise Lindhardt Tønnesen, Alexander Svorre Jordan, Rikke Sørensen, Tina Gissel, Ulla Weinreich, Sofie Johansson, Jens-Ulrik Stæhr Jensen

Late Breaking Abstract - Real world endotype stability and exacerbation rates in T2low asthma

Arja Viinainen (Paimio, Finland), Juhani Aakko, Gunilla Telg, Kaisa Nieminen, Mariann Lassenius, Hannu Kankaanranta, Lauri Lehtimäki

Late Breaking Abstract - Race/ethnic, social, environmental, and genetic correlates to lung function decline: the Multi-Ethnic Study of Atherosclerosis (MESA) Lung Study

R. Graham Barr (New York, United States), Arielle Elmaleh-Sachs, Daniel Malinsky, Pallavi Balte, Norrina B. Allen, Aaron Baugh, Alain G. Bertoni, Jana A. Hirsch, Eric A. Hoffman, Joel Kaufman, Ani Manichaikul, Elizabeth C. Oeslner, James S. Pankow, Wendy S. Post, Tess Pottinger, Stephen S. Rich, Benjamin Smith, Karol Watson

Late Breaking Abstract - 1-Antitrypsin deficiency associated with increased risk of heart failure in two large populations

Sine V Winther (Køge, Denmark), Eskild Landt, Børge Nordestgaard, Niels Seersholm, Morten Dahl

TP-6 Session 08:30 - 09:30**Thematic poster: High flow therapy and NIV in the acute and chronic setting****Disease(s) :** Respiratory critical care Sleep and breathing disorders Airway diseases**Method(s) :** General respiratory patient care Respiratory intensive care Physiology Epidemiology Pulmonary function testing**Chairs :** Marieke L. Duiverman (Groningen, Netherlands), Chloé Cantero (Paris, France)**Are home high-flow therapy (HFT) devices as good as hospital HFT devices?**

Emeline Fresnel (Bois-Guillaume, France), Sirine Laya, Adrien Kerfourn, Tristan Bonnevie, Léa Razakamanantsoa, Christophe Girault, Maxime Patout

Heated, humidified high flow therapy at home setting in children with respiratory failure- Single centre experience

Eman Hassanin (Horsfoth, United Kingdom), Saikiran Gopalakaje, Christopher Edwards

Improved survival with high pressure NIV for acute hypercapnic respiratory failure in COPD

Caroline Hedsund (København Ø, Denmark), Philip Mørkeberg Nilsson, Nils Hoyer, Daniel Bech Rasmussen, Claire Præst Holm, Jens Ulrik Jensen, Jon Torgny Wilcke

Non-invasive ventilation for COPD exacerbations in daily clinical practice

Judith Elshof (Groningen, Netherlands), Anouschka Van Der Pouw, Els Fikkers, Petra J.E. Vos, Peter J. Wijkstra, Marieke L. Duiverman

Association of admission pH with long-term mortality in patients requiring non-invasive ventilation (NIV) for obesity-related respiratory failure (ORRF)

Aditya Krishnan (Birmingham, United Kingdom), Kathryn Brammer, Pearlene Antoine-Pitterson, Alain Al Helou, Alice Turner, Rahul Mukherjee

RISK FACTORS FOR RESPIRATORY INFECTIONS IN ALS PATIENTS

Natalia Pascual Martinez (Cordoba, Spain), Estefanía Mira Padilla, Cristina Gómez Rebollo, Cristina Muñoz Corroto, Pablo García Lovera, Elena Lesaga López, Miguel Angel Mendoza Alarcón, Roberto Martín De León

Use of mathematically arterialised venous blood gas sampling: Comparison with arterial, capillary, and venous sampling

Michael Davies (Cambridge (Cambridgeshire), United Kingdom), Dariusz Wozniak, Tim Quinnell, Earl Palas, Susan George, Yingchang Huang, Ian Smith, Lars Pilegaard Thomsen, Stephen Rees

Exhaled gases and the potential of cross infection from NIV machines.

Nicholas Lane (Newcastle Upon Tyne, United Kingdom), Ben Messer, Alison Armstrong

Utility of Cobb angle as predictor of noninvasive ventilation initiation in patients with kyphoscoliosis.

Antonio Quezada Reynoso (València (Comunidad Valenciana), Spain), Jesus Sancho Chinesta, Santos Ferrer Espinosa, Jaime Signes-Costa

Home noninvasive ventilation in Myasthenia Gravis: features and predictors.

Antonio Quezada Reynoso (València (Comunidad Valenciana), Spain), Santos Ferrer Espinosa, Jesus Sancho Chinesta, Elia Giménez Samblás, Ana María Ferrer Martí, Jaime Signes-Costa

Long term continuous positive airway pressure prescription after an acute hypercapnic respiratory failure

Katuska Herminia Liendo Martinez (madrid, Spain), Daniel López Padilla, Virginia Gallo González, Elena Ojeda Castillejo, Alicia Cerezo Lajas, Francisco Caballero Segura, Teresa Gómez García, Luis Puente Maestú, Soledad López Martín

Remote monitoring and virtual follow-up ventilation clinics in the age of Covid-19

Cat Goodin (Nottingham, United Kingdom), Alex Bond-Alliston, Milind Sovani

The role of simulation in non-invasive ventilation training for healthcare professionals

Rosie Yeoward (London, United Kingdom), Jasna Mamuza, Alice Kitt, Vladimir Macavei

Long-term effects of Noninvasive ventilation (NIV) on exacerbations rate and mortality in stable hypercapnic COPD patients

Michail Fanaridis (Heraklion, Greece), Izolde Bouloukaki, Georgios Stathakis, Georgios Vaios, Athanasios Voulgaris, Paschalis Steiropoulos, Nikolaos Tzanakis, Sophia Schiza

Analysis of Home Non-Invasive Ventilation ambulatory monitoring in chronic hypercapnic respiratory failure

Eleonora Russo (Torino, Italy), Alessio Mattei, Michela Maria Bellocchia, Fulvia Ribolla, Chiara Chiappero, Giuseppe Tabbia, Marco Michele Bardesson, Federico Sciarrone, Mattia Verardo, Francesco Todisco, Elena Sitia, Carlo Albera

TP-24

Session

08:30 - 09:30

Thematic poster: Interstitial lung diseases diagnosis in the COVID-19 era: new tools for new challenges**Disease(s) :** [Interstitial lung diseases](#)**Method(s) :** General respiratory patient care Endoscopy and interventional pulmonology Epidemiology Pulmonary function testing Imaging Public health**Chairs :** Antoine Froidure (Bruxelles, Belgium), Margarida Afonso (Castelo Branco, Portugal)**Phenotypes of post covid interstitial lung disease; clinical, radiological, and pathological correlations.**

Leonardo Gori (Florence, Italy), Claudia Ravaglia, Valentina Luzzi, Luca Ciani, Leonardo Giuntoli, Giulia Biadene, Sonia Bambina, Martina Marinato, Alessandra Dubini, Diletta Cozzi, Edoardo Cavigli, Camilla Comin, Valeria Pasini, Silvia Puglisi, Alberto Cavazza, Venerino Poletti, Michele Spinicci, Alessandro Bartoloni, Anna Peired, Edoardo Berillo, Cosimo Nardi, Elisabetta Rosi, Federico Lavorini, Sara Tomassetti

Post-COVID interstitial lung disease in symptomatic patients after hospital discharge

Lorinc Polivka (Üröm, Hungary), Eniko Barczy, Tamas Nagy, Gabor Horvath, Aniko Bohacs, Veronika Muller

COVID-19 in interstitial lung diseases: are fibrotic ILDs associated with worse outcomes?

Maria Carolina Alves Valente (Santo Tirso, Portugal), Mariana Serino, Beatriz Martins, Mariana Martins, Inês Carvalho, Miguel Barbosa, Marina Alves, Catarina Cascais, André Terras Alexandre, Natália Melo, Patrícia Caetano Mota, António Morais, Hélder Novais-Bastos

Non-Detection of Post Covid Pulmonary Fibrosis (PCPF) through HRCT and PFT but possible through Transbronchial Lung Biopsy

Vijay Narain Tyagi (Meerut (Uttar Pradesh), India), Shivkant Agarwal, Charul Dabral, Manish Mittal, Manya Narain Tyagi

Post-COVID-19 Interstitial Lung Disease: a new entity, what do we deal with?

AYCAN YUKSEL (Ankara, Turkey), Dilek Karadoğan, Nur Hürsoy, Gökhan Telatar, Neslihan Köse, Feride Marım, Ilknur Kaya, Aslihan Banu Er, Merve Erçelik, Demet Polat, Merve Yumrukuz, Ökkeş Gültekin, Ceren Ilgar, Selin Çakmakçı, Bilge Yılmaz Kara, Neslihan Özçelik, İnci Selimoğlu, Kübra Uyar Er, Abdurrahman Kotan, Hasan Veysel Keskin, Metin Akgün

Methylprednisolone in the treatment of post-COVID-19 Interstitial Lung Disease (STERCov-ILD)

AYCAN YUKSEL (Ankara, Turkey), Dilek Karadoğan, Nur Hürsoy, Gökhan Telatar, Neslihan Köse, Feride Marım, Ilknur Kaya, Aslihan Banu Er, Merve Erçelik, Demet Polat, Merve Yumrukuz, Ceren Ilgar, Ökkeş Gültekin, Selin Çakmakçı, Bilge Yılmaz Kara, Neslihan Özçelik, İnci Selimoğlu, Kübra Uyar Er, Abdurrahman Kotan, Hasan Veysel Keskin, Metin Akgün

Evolution of diffusion capacity in interstitial lung disease associated with rheumatoid arthritis

Marie Vermant (Elsene, Belgium), Tinne Goos, Hannelore Bode, Laurens J De Sadeleer, Kenneth Verstraete, Nico De Crem, Ellen De Langhe, Adriana Dubbeldam, Erik Verbeken, Johny Verschakelen, Birgit Weynand, Jonas Yserbyt, Rene Westhovens, Patrick Verschuere, Wim A Wuyts

Persistent Pneumonitis Post-COVID 19: description and risk factors

Sandra Cuerpo Cardeñosa (Barcelona, Spain), Fernanda Hernandez, Mariana Benegas, Joel Francesqui, Alejandra Lopez, Rosa Faner, Nestor Soler, Sergio Prieto, Alexandru Vlăgea, Joan Albert Barbera, Marcelo Sanchez, Joan Ramon Badia, Oriol Sibila, Alvar Agustí, Jacobo Sellares, Inés Cobo, Anaïs Suarez, Veronica Torres, Adelaido Salazar, Anna Muñoz, Luz Bravo, Estibaliz Ruiz, Maria Molina, Alex Soriano, Judith García

Evaluation of pulmonary function in post-COVID-19 patients

Vuk Pejčić (,), Tatjana Pejčić, Marija Topalović, Borislav Božanić, Aleksandra Ignjatović, Desa Nastasijević Borovac

Bleomycin lung toxicity: a retrospective analysis of an old culprit.

Diana Sofia Moreira Sousa (Santo Tirso, Portugal), Margarida Afonso, Salette Valente

Interstitial lung disease in children associated with biological autoimmunity, analysis of a French monocentric retrospective cohort: towards IPAF in children?

Alice Hadchouel-Duvergé (Paris, France), Laura Aoust, Brigitte Bader-Meunier, Christine Bodemer

Effects of RXC007, a highly potent and selective ROCK2 inhibitor, in ex-vivo and in vivo models of pulmonary fibrosis.

Adriana Gambardella (Macclesfield, United Kingdom), Nicolas E. S. Guisot, Peter R. Bunyard, Emily Offer

Diagnostic Performance of the Chest Interstitial Lung Disease Patient Questionnaire

Tal Perluk (Givatim, Israel), Inbal Friedman Regev, Ophir Freund, Eyal Kleinhendler, Sharona Ben-Ami, Amir Bar-Shai, Avraham Unterman

A retrospective study exploring GAP index as a predictor of mortality in patients with Combined Pulmonary Fibrosis and Emphysema

Hana Alsomali (Newcastle upon Tyne, United Kingdom)

Early detection of interstitial lung disease using AI-powered spirometry

Marko Topalovic (Kessel-lo, Belgium), Tomas Coenegrachts, Seppe Van Steenberg, Armin Halilovic, Julie Maes, Laurens De Sadeleer, Wim Janssens

Clusters of comorbidities in chronic hypersensitivity pneumonitis

Thomas Skovhus Prior (Egå, Denmark), Julia Wälscher, Benjamin Gross, Elisabeth Bendstrup, Michael Kreuter

Ultrasound as a potential tool to detect interstitial lung disease in the daily clinical setting of patients with rheumatoid arthritis

Marwin Gutierrez (Mexico City, Mexico), Santiago Ruta, Denise Clavijo-Cornejo, Gabriela Fuentes-Moreno, Samuel Reyes-Long, Chiara Bertolazzi

Cudatexstat, a differentiated phase 2-ready investigational treatment for idiopathic pulmonary fibrosis

Bassem Elmankabadi (South San Francisco, United States), Prabha Ibrahim, Carol Wong, Ravi Rajagopalan, Xiang Xu, Walter Yu

TP-3 Session 08:30 - 09:30

Thematic poster: Asthma and COVID-19 management in primary care

Disease(s) : **Airway diseases**

Method(s) : Public health General respiratory patient care Epidemiology

Chairs : Rachel Jordan (Birmingham (West Midlands), United Kingdom), Cláudia Vicente (Coimbra, Portugal)

Shifting asthma management with Asthma Right Care communication tools

María Mar Martínez Vázquez (Bilbao (Bizkaia), Spain)

Identifying gaps and redesigning asthma care pathway in Primary Care with multidisciplinary teams

María Mar Martínez Vázquez (Bilbao (Bizkaia), Spain), Jaime González Rey, Sara Nuñez Palomo, Miguel Domínguez Santaella, Pere J Simonet Aineto, Javier Plaza Zamora, Miguel Román Rodríguez, Juan Enrique Cimas Hernando, Lucía Regadera Anechita, Francisco Fernández-Conde Jordana De Pozas, Paula Chaparro Briones

A cluster-randomised control trial of a paediatric asthma pathway in primary care.

Andrew Cave (Edmonton (AB), Canada), Melissa Potestio, Heather Sharpe, David Johnson

Supporting asthma self-management behavioural change with a mobile application: a feasibility study

Ee Ming Khoo (Kuala Lumpur, Malaysia), Ping Yein Lee, Hani Salim, Ai Theng Cheong, Sazlina Shariff Ghazali, Noor Harzana Harrun, Bee Kiau Ho, Salbiah Mohamad Isa, Norita Hussein, Nik Sherina Haidi Hanafi, Hilary Pinnock, Respire On Behalf Of The Respire Collaborators

Asthma control and unscheduled care during the Hajj among Malaysian Hajj pilgrims: a descriptive observational study.

Ee Ming Khoo (Kuala Lumpur, Malaysia), Rizawati Ramli, Nik Sherina Haidi Hanafi, Norita Hussein, Ping Yein Lee, Ai Theng Cheong, Sazlina Shariff Ghazali, Ahmad Ihsan Abu Bakar, Azah Abdul Samad, Suhazeli Abdullah, Hilary Pinnock, Aziz Sheikh

Association of gastroesophageal reflux disease with asthma control and quality of life, a study from low income country.

Nousheen Iqbal, Atiqa Amirali, Maria Ali Khan, Muhammad Irfan

Persistent Symptoms Three Months after Clinical Recovery from COVID-19

Amir Jarjoui (Jerusalem, Israel), George Kalak, Gabriel Izbicki, Ariel Rokach, Abraham Bohadana, Pascal Wild, Nader Abdelrahman, Nissim Arish, Chen Chen-Shuai, Noa Amiad

Long COVID in relation to severity of acute COVID-19

Tasnim Znegui (borj cerdia, Tunisia), Racil Hajer, Maazoui Sarra, Mariem Friha, Amany Touil, Sonia Habibech, Chaouch Nawel

Respiratory healthcare professionals' views on long-term recommendations of interventions to prevent acute respiratory illnesses after the COVID-19 pandemic

Karin Yaacoby-Bianu (Haifa, Israel), Galit Livnat, James D. Chalmers, Michal Shteinberg

Benefits of early cineole administration during common cold: an exploratory clinical trial

Peter Kardos (Frankfurt am Main, Germany), Ludger Klimek, Jürgen Palm, Kim Goldenstein, Johannes Stöckl, Andreas Michalsen

What do medical professionals really think about vaccination?

Oleksandr Fesenko (Slobozhanske, Ukraine), Olena Myronenko, Nataliia Habshydz, Kseniia Bielosludtseva

Developing a theoretically-informed education programme within the context of a complex implementation strategy in UK primary care: an exemplar from the IMP2ART trial

Viv Marsh (Bridgnorth, United Kingdom), Kirstie McClatchey, Liz Steed, Steve Holmes, Stephanie J C Taylor, Sharon Wiener-Ogilvie, Julia Neal, Rhian Last, Ann Saxon, Hilary Pinnock

Impact of COVID-19 pandemic on recommended vaccine uptake in a single-practice primary care COPD cohort in the UK

Mukesh Singh (Sutton Coldfield (West Midlands), United Kingdom), Ketan Singh

Implementation of meaningful stakeholder engagement in community-based research in rural India during Covid-19 pandemic

Rashmi Chabukswar (Pune, India), Dhiraj Agarwal, Himangi Lubree, Tracy Jackson, Genevieve Fernandes, Sanjay Juvekar

Understanding physicians' and patients' perspectives on asthma management

Michelle Tan (London, United Kingdom), Aine Kyle, Kelly Kueh

Patient-reported barriers to accepting a technological adherence package in the MAGNIFY trial.

Andrew Dickens (Cambridge, United Kingdom), David Halpin, Victoria Carter, Derek Skinner, Kai Beeh, James Chalmers, Allan Clark, Nasir Hannan, Alan Kaplan, Konstantinos Kostikas, Hilary Pinnock, Nicolas Roche, Omar Usmani, Job F.M. Van Boven, Paul Mastoridis, Karen Mezzi, Steve Davis, David Price

Development of a patient-centred asthma review template to improve self-management in UK primary care

Kirstie McClatchey (Edinburgh, United Kingdom), Liz Steed, Aimee Sheldon, Francis Appiagyei, Stephanie Taylor, David Price, Hilary Pinnock

Randomised trial evaluating the effect of a digital action plan (web app) versus written action plan for the management of asthma exacerbations of children and adults

Nicole Beydon (Paris, France), Camille Taillé, Harriet Corvol, Judith Valcke-Brossollet, Jean-Jacques Portal, Laurent Plantier, Gilles Mangiapan, Caroline Perisson, Guillaume Aubertin, Alice Hadchouel-Duverg , Guillaume Briend, Laurent Guilleminault, Catherine Neukirch, Pierrick Cros, Corinne Appere De Vecchi, Bruno Mahut, Eric Vicaut, Christophe Delclaux

Evolution of web-based training videos provided by the German Respiratory League for correct inhalation technique

Maximilian Wollsching-Strobel (K ln, Germany), Uta Butt, Daniel Sebastian Majorski, Tim Mathes, Friederike Sophie Magnet, Melanie Berger, Sarah Bettina Schwarz, Wolfram Windisch

TP-16

Session

08:30 - 09:30

Thematic poster: Cystic fibrosis in children and adolescents**Disease(s) :** Airway diseases**Method(s) :** General respiratory patient care Pulmonary function testing Epidemiology Cell and molecular biology Physiology Public health**Chairs :** Stojka Fustik (Skopje, North Macedonia), Annelies M. Zwitserloot (Groningen, Netherlands)**“Early” Pseudomonas aeruginosa colonization in cystic fibrosis patients**

ECE OCAK (ANKARA, Turkey), G k en Dil a Tu cu, Sanem Eryılmaz Polat, G zin Cinel, Nagehan Emiralio lu, Ebru Yal ın, Nural Kiper, Velat  en, Derya Ufuk Altınta , Haluk  oku ra , Ay e Ayzıt Kılın , Hakan Yazan, G k en  nal, Aslı Imran Yılmaz, Ebru Damado lu, Ilim Irmak, Esen Demir, G k en  zt rk, Abdurrahman Erdem Ba aran, Ay en Bing l, Nihat Sapan, Ay e Tana Aslan, Pelin A furo lu, Koray Harmancı, Mehmet K se, Melih Hang l, Ali  zdemir, Gizem  zcan, Zeynep G k e Gayretli Aydın,  zlem Keskin, Hasan Y ksel,  ebnem  zdo an, Erdem Topal, G n l  altepe, Demet Can, Pervin Korkmaz Ekren, Mehmet Kılı , Tu ba  i manlar Eyy bo lu, Sevgi Pekcan, Nazan  obano lu, Erkan  akır, U ur  z elik, Deniz Do ru Ers z

Respiratory outcomes at 6 months follow up after SARS-Cov-2 infection in people with cystic fibrosis

Paola Medino (Milano, Italy), Chiara Rosazza, Maria Serena Boraso, Fabiana Ciciriello, Marco Cipolli, Andrea Gramegna, Vincenzina Lucidi, Arianna Biffi, Erica Nazzari, Gianfranco Alicandro, Carla Colombo

The concentration of hCAP-18/LL-37 and hBD-2 in cystic fibrosis patients

Oksana Ishchenko (Kamyanske, Ukraine), Dmytro Stepanskyi

Eradication treatment of Pseudomonas Aeruginosa in pediatric patients with Cystic Fibrosis.

Aynur Gulieva ( stanbul, Turkey), Cansu Yılmaz Yegit, Muruvvet Yanaz, Mine Kalyoncu, Merve Selcuk, Gamze Tastan, Burcu Suzer, Pınar Ergenekon, Ela Erdem Eralp, Yasemin Gokdemir, Fazilet Karakoc, Bulent Karadag

Experience with the use of inhaled carbapenems in a Spanish Cystic Fibrosis Unit

Marta Bascuas Arribas (Madrid, Spain), Patricia Fern ndez Garc a, Ver nica Sanz Santiago, Sof a Mart n Hern ndez, Alejandro L pez Neyra, Bel n Hern ndez Mill n, Javier Alvarez-Coca, Mar a Camino Serrano, Francisca Romero Andujar, Jos  Ram n Villa Asensi, Rosa Mar a Gir n Moreno

Clinical features of SARS-CoV-2/COVID-19 infection in children with cystic fibrosis (CF): A Qatari experience

Khalid Zahradin (Doha, Qatar), Sara G. Hamad, Hiba Kammouh

Cystic fibrosis competence check: A educational tool for paediatric patients with CF

Stefanie Diemer (Lund, Sweden), Karolina Wallin, Kristel Bj rkman

The association between the cumulative dose of aminoglycoside exposure and hearing loss in children with cystic fibrosis

Cansu Yilmaz Yegit (Istanbul, Turkey), Pinar Ergenekon, Muruvvet Yanaz, Aynur Guliyeva, Mine Kalyoncu, Ozge Meral, Merve Selcuk, Gamze Ta tan, Burcu Uzunoglu, Nezafet Ozturk, Fatma Toktas, Ahmet Atas, Halide Cetin Kara, Abdulhamit Collak, Nilufer Bal, Ozge Gedik, Yesim Oruc, Melda Acar, Remzi Dogan , Emine Deniz Gozen Tan, Hale Molla Kafi, Nesibe Karasu, Yetkin Ayhan, Ali Cemal Yumusakhuylu, Ayse Ayzit Kilinc Sakalli, Erkan Cakir, Saniye Girit, Yasemin Gokdemir, Ela Erdem Eralp, Pinar Ata, Ayca Ciprut, Fazilet Karakoc, Bulent Karadag

Ciliary dyskinesia might be secondary to chronic inflammation in cystic fibrosis

Romane Bonhiver (Liege, Belgium), Noemie Bricmont, Maud Pirotte, Marc-Antoine Wuidart, Jessica Pirson, Hedwige Boboli, Renaud Louis, Marie-Christine Seghaye, C line Kempeneers

CFTR function in respiratory epithelial cell cultures: step to individualize treatments in cystic fibrosis?

Joerg Grosse-Onnebrink (M nster, Germany), Vanessa Mete, Heymut Omran, Wolf Michael Weber

Assessment of cathelicidin LL-37 and 25-hydroxycholecalciferol levels in children cystic fibrosis

Valeriia Demianyshyna (Vinnytsya, Ukraine), Veronika Dudnyk

Prolonged exposure to heat does not affect clinical and biochemical characteristics in patients with cystic fibrosis
Pinelepi Anagnostopoulou (Nicosia, Cyprus), Panayiotis Kouis, Katerina Pantavou, Antonis Michanikou, Andreas Matthaïou, Kalliopi Ioakim, Louisa Sophocleous, Georgios Nikolopoulos, Panayiotis Yiallourous

Search for airway-derived miRNA biomarkers in pulmonary exacerbation in children with cystic fibrosis
Zuzanna Stachowiak (Poznan, Poland), Beata Narożna, Wojciech Langwiński, Irena Wojsyk Banaszak, Katarzyna Jończyk Potoczna, Anna Bręborowicz, Aleksandra Szczepankiewicz

Evaluation of performance of Dutch newborn screening program for cystic fibrosis (2016-2020)
Karin M. De Winter - De Groot (Culemborg, Netherlands), Marelle J. Bouva, Kitty P.B. Van Der Ploeg, Rendelien K. Verschoof - Puite, Vincent A.M. Gulmans, Johannes J.P. Gille, Bernadette S. Jakobs, Marie-Louise Heijnen

Evaluation of factors affecting bone mineral density in CF patients through CF registry of Turkey
Sule Selin AKYAN SOYDAŞ (ANKARA, Turkey), Gökçen Dilşa Tuğcu, Murat Yasin Gençoğlu, Güzin Cinel, Nagehan Emiralioglu, Ebru Yalçın, Nural Kiper, Velat Şen, Derya Ufuk Altıntaş, Haluk Çokuğraş, Ayşe Ayzit Kılınc, Hakan Yazan, Gökçen Ünal, Aslı Imran Yılmaz, Hanife Tuğçe Çağlar, Ebru Damadoğlu, İlim Irmak, Esen Demir, Gökçen Kartal Öztürk, Ayşen Bingöl, Erdem Başaran, Nihat Sapan, Ayşe Tana Aslan, Pelin Asfuroğlu, Koray Harmanacı, Mehmet Köse, Melih Hangül, Ali Özdemir, Gizem Özcan, Zeynep Gökçe Gayretli, Özlem Keskin, Hasan Yüksel, Şebnem Özdoğan, Erdem Topal, Gönül Çaltepe, Demet Can, Pervin Korkmaz Ekren, Mehmet Kılıç, Tuğba Şişmanlar Eyüboğlu, Sevgi Pekcan, Nazan Çobanoğlu, Erkan Çakır, Uğur Özçelik, Deniz Dođru

Title: Benzbromarone for the treatment of cystic fibrosis (CF) lung disease: a pilot clinical trial.
Leonardo Pinto (Porto Alegre (RS), Brazil), Frederico Frederico Friedrich, Laura De Castro E Garcia, Lucas Montiel Petry, Marina Pieta, Amanda Da Silva Menezes, Luana Braga Bittencourt, Luiza Xavier, Marcos Brum Antunes, Karl Kunzelmann

Late Breaking Abstract - Diagnostic testing in people with primary ciliary dyskinesia around the world: where do we stand?
Leonie Daria Schreck (Bern, Switzerland), Eva Sophie Lunde Pedersen, Isabelle Cizeau, Catherine Kruljac, Jane S Lucas, Myrofora Goutaki, Claudia E Kuehni

TP-8 Session 08:30 - 09:30

Thematic poster: Translational modelling of lung diseases

Disease(s) : Respiratory critical care Interstitial lung diseases Airway diseases

Method(s) : General respiratory patient care Cell and molecular biology Physiology Pulmonary function testing Imaging

Chairs : Darcy Wagner (Lund, Sweden), Vanessa Ho (London, United Kingdom)

New physiometric model for ARDS in vitro studies
Esther Marhuenda (Barcelona (Catalonia), Spain), Alvaro Villarino, Maria Narciso, Nuria Gavara, Ramon Farre, Isaac Almendros, Jordi Otero

Establishment of a human in-vitro model for airway epithelial repair and regeneration
Ashesh Chakraborty (Munich, Germany), Ashesh Chakraborty, Michal Mastalerz, Rudolf Hatz, Jürgen Behr, Michael Lindner, Anne Hilgendorff, Claudia A. Staab-Weijnitz

Divergent effects of macrophage migration inhibitory factor and D-dopachrome tautomerase on lung epithelial regeneration
Shanshan Song (Groningue (GR), Netherlands), Habibie Habibie, M.H.De Jager, Corry-Anke Brandsma, Gerrit J Poelarends, Barbro N Melgert

Culturing primary alveolar epithelial cells on lung hydrogels preserves the type II phenotype
Jorge Otero (Barcelona, Spain), Esther Marhuenda, Alvaro Villarino, Maria Leonor Narciso, Nuria Gavara, Ramon Farré, Isaac Almendros

Collagen hydrogels reinforced with bacterial nanocellulose fibers for the development of in vitro 3D lung models
Nanthilde Malandain (Barcelona, Spain), Hector Sanz-Fraile, Ramon Farré, Anna Laromaine, Anna Roig, Jordi Otero

Murine Precision Cut Lung Slices as a model of heme-induced acute injury.
Namrata Kewalramani (Mumbai (Maharashtra), India), Carlos Machahua, Blank Fabian, Melanie Scalice, Jessica Petracca, Michelle Schorer, Fabian Kaesermann, Kleanthis Fytianos, Manuela Funke-Chambour

Ex vivo modeling of human lung fibrogenesis and drug mode of action screens using single cell RNA-seq in precision-cut lung slices
Niklas Jonathan Lang (München, Germany), Meshal Ansari, Lin Yang, Shuhong Zhou, Diana Porras-Gonzalez, Ahmed Agami, Christoph H. Mayr, Baharak Hooshir Kashani, Lukas Heumos, Michael Gerckens, Yuexin Chen, Janine Schniering, Mircea-Gabriel Stoleriu, Rudolf Hatz, Jürgen Behr, Fabian J. Theis, Gerald Burgstaller, Herbert B. Schiller

LSC - 2022 - Ex vivo modelling of human lung fibrogenesis and drug mode of action screens using single-cell RNA-seq in precision-cut lung slices

Niklas Jonathan Lang (München, Germany), Meshal Ansari, Diana Porras-Gonzalez, Ahmed Agami, Baharak Hooshjar Kashani, Shuhong Zhou, Lin Yang, Michael Gerckens, Xin Wei, Christoph H. Mayr, Janine Schniering, Mircea-Gabriel Stoleriu, Rudolf Hatz, Jürgen Behr, Gerald Burgstaller, Herbert B. Schiller

A tunable lung physiometric stretch system evaluated with precision cut lungs slices and recellularized human lung scaffold

Arturo Ibáñez Fonseca (Lund, Sweden), Oskar Rosmark, Johan Thorsson, Göran Dellgren, Oskar Hallgren, Anna-Karin Larsson Callerfelt, Linda Elowsson, Gunilla Westergren-Thorsson

Pulmonary endothelial cells support growth of human alveolar organoids: possible influence of cigarette smoke exposure

Abilash Ravi (Leiden, Netherlands), Xinhui Wu, Anne M. Van Der Does, Andries Van Der Meer, Jill M. Johnson, Martin C. Harmsen, Reinoud Gosens, Pieter S. Hiemstra

Using forward genetic screens and novel human alveolar organoid models to study surfactant protein C trafficking in health and disease

Eimear Rutherford (CAMBRIDGE, United Kingdom), Dick Van Den Boomen, Kyungtae Lim, Paul Lehner, Emma Rawlins, Stefan Marciniak, Jennifer Dickens

Heterogeneity of airway remodeling in cystic fibrosis

Astrid Vermaut (Oud-Heverlee, Belgium), Vincent Geudens, Lynn Willems, Janne Kaes, Hanne Beeckmans, Charlotte De Fays, Laurens Ceulemans, Robin Vos, Bart Vanaudenaerde, Lieven Dupont, Mieke Boon

Antimicrobial-induced changes in the intestinal microflora affected hydrogen gas production in a mouse model of acute lung injury

Manato Kawano (Kanagawa, Japan), Kozue Kobayashi, Kenichi Kokubo, Masaru Kubota

Methotrexate induces DILD sporadically and at low incidence in rodents, similar to clinical scenario in humans

Nina Fransén Pettersson (Lund, Sweden), Carla Carvalho, Irma Mahmutovic Persson, Hanna Falk-Håkansson, Jian Liu, Lars E. Olsson, Karin Von Wachenfeldt

Acute exacerbation in chronic pulmonary fibrosis: Histopathological and molecular characterisation of the mice model

E. Boncoeur (Paris, France), Céline-Hivda Yegen, Liasmine Haine, Dominique Marchant, Carole Planes, Nicolas Voituren

Moderate and severe hyperoxia in preterm rabbits: airway reactivity, forced expiration and forced oscillation outcomes

Yannick Regin (Brussels, Belgium), André Gie, Ignacio Valenzuela, Marnél Greyling, Vincent Lenders, Jeroen Vanoirbeek, Jaan Toelen

Late Breaking Abstract - hLMSC secretome affects macrophage activity differentially depending on lung-mimetic environments

Bryan Falcones (Malmö, Sweden), Zackarias Söderlund, Arturo Ibáñez, Isaac Almendros, Jordi Otero, Ramon Farré, Sara Rolandsson Enes, Linda Elowsson Rendin, Gunilla Westergren-Thorsson

Late Breaking Abstract - Idiopathic pulmonary fibrosis-on-chip: A new model based on biological membranes

Pauline Zamprogno (Bern, Switzerland), Jan Schulte, Tobias Weber, Arunima Sengupta, Thomas Geiser, Olivier T. Guenat

Late Breaking Abstract - Spatially resolved transcriptomics of human and mouse fibrotic lung

Lovisa Franzén (Solna, Sweden), Martina Olsson Lindvall, Sonya Jackson, Gregory Hamm, Ben Keith, Steven Oag, Astrid Collin, Jennifer Cann, Julia Lindgren, Graham Belfield, Anna Ollerstam, Marianna Stamou, Patrik Ståhl, Jorrit Hornberg

Late Breaking Abstract - Febuxostat inhibits inflammation and fibrosis in a murine model of LPS-induced lung injury

Shin Ohta (Tokyo, Japan), Hitoshi Ikeda, Takaya Ebato, Hideki Inoue, Tetsuya Homma, Shintaro Suzuki, Akihiko Tanaka, Hironori Sagara

TP-7 Session 08:30 - 09:30**Thematic poster: Impact of the external and internal exposome on chronic lung disease**

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Cell and molecular biology Physiology Public health

Chairs : Tania Maes (Ghent, Belgium), Charalambos Michaeloudes (London, United Kingdom)

A novel mouse model reproducing pathomorphological and inflammatory hallmarks of COPD

Bernhard Reiter (8010 Graz, Austria), Natalie Bordag, Diana Schnoegl, Nagy Bence, Martina Delbeck, Grazyna Kwapiszewska, Hana Cernecka, Jörg Meding, Leigh M Marsh

Modifications of pulmonary macrophages function by heated tobacco products.

Perrine Donay (Liège (Sart-Tilman), Belgium), Didier Cataldo, Marie-Julie Nokin, Marie-Laure Delhez

Using NanoString to investigate effects of cigarette smoke extract on gene expression in lung fibroblasts from healthy and COPD subjects

Martin Ryde (Lund, Sweden), Nicole Van Der Burg, Gunilla Westergren-Thorsson, Leif Bjermer, Ellen Tufvesson

Nicotine-Induced Epithelial-Mesenchymal Transformation (EMT): Difference Between Normal and Asthmatic Bronchial Epithelium

Hasan Yuksel (Manisa, Turkey), Merve Ocalan, Ozge Yilmaz, Seda Tunca, Adem Yasar, Damla Akogullari, Seda Vatansver

Interaction between type 2 cytokine and inflammasome responses in the pathogenesis of obesity-associated asthma

Jay Horvat (Newcastle (NSW), Australia), James Pinkerton, Richard Kim, Alexandra Brown, Brittany Rae, Chantal Donovan, Jemma Mayall, Md Khadem Ali, Hayley Scott, Bronwyn Berthon, Katherine Baines, Malcolm Starkey, Nazanin Kermani, Yi-Ke Guo, Avril Robertson, Luke O'Neill, Ian Adcock, Matthew Cooper, Peter Gibson, Lisa Wood, Philip Hansbro

LSC - 2022 - Allergen exposure induces airway macrophage metabolic reprogramming

Gesá J Albers (London, United Kingdom), Patricia P Ogger, Robert Gray, John M Halket, Gail Gauvreau, Paul O'Byrne, Clare M Lloyd, Adam J Byrne

Circadian pathway is downregulated in lungs and adipose tissue in the rat model of allergic airway inflammation

Aleksandra Szczepankiewicz (Poznań, Poland), Joanna Nowakowska, Wojciech Langwiński, Paweł Kołodziejski, Ewa Pruszyńska-Oszmałek, Natalia Leciejewska, Kamil Ziarniak, Dawid Szczepankiewicz

Sex-related differences in allergen house dust mite-mediated changes in the lung proteome.

courtney marshall (winnipeg, Canada), Dina Mostafa, Mahadevappa Hemshekhar, Robert Balshaw, Victor Spicer, Neeloffer Mookherjee

Farm dust exposure decreases TNF- /IFN- -mediated IL-33 expression in primary bronchial epithelial cells in part by interfering with IFNGR-JAK-STAT1 signaling

Jasmijn A. Schrumph (Leiden, Netherlands), Mikaela Tham, Dennis K. Ninaber, Erika Von Mutius, Hermelijn H. Smits, Pieter S. Hiemstra

Source-specific Th17 responses induced by real-world air pollution and amelioration by vitamin D

Drew Glencross (London, United Kingdom), Charlotte Cheadle, Tanapat Palaga, Tassanee Prueksasit, Ganjana Lertmemongkolchai, Ian Mudway, Catherine Hawrylowicz

Evidence for a role of the aryl hydrocarbon receptor in inflammatory responses to air pollution

Drew Glencross (London, United Kingdom), Charlotte Cheadle, Tanapat Palaga, Tassanee Prueksasit, Ganjana Lertmemongkolchai, Ian Mudway, Catherine Hawrylowicz

Source-related composition and toxicological effects of shipping-associated particulate matter

Lareb S.N. Dean (Southampton, United Kingdom), Natasha H.C. Easton, James G.H. Parkin, Robert A. Ridley, Franco Conforti, Matthew J. Cooper, Yihua Wang, Mark G. Jones, Donna E. Davies, Gavin L. Foster, Matthew Loxham

Epithelial and mesenchymal compartment during differentiation of human iPSC into functional bronchial epithelium

Amel Nasri (Montpellier, France), Florent Foisset, Carine Bourdais, Engi Ahmed, Isabelle Vachier, Said Assou, Arnaud Bourdin, John De Vos

Investigating the effects of metals within particulate matter in human alveolar epithelial cells

Lareb S.N. Dean (Southampton, United Kingdom), Helen S. Vethakan-Raj, James G.H. Parkin, Robert A. Ridley, Franco Conforti, Julian Downward, Yihua Wang, Mark G. Jones, Donna E. Davies, Matthew Loxham

Acute ozone-induced neutrophilic inflammation is driven by IL-1 independent of NLRP3 and caspase-1

(), Stephen Schworer, Alexa Knee, Corey Jania, Jenny Ting, David Peden

Potential toxic effects in the lung of planetary dust

Jie Ji (stockholm, Sweden), Ingrid Corazzari, Francesco Turci, Per Gerde, Lars Karlsson, Dag Linnarsson, David J Loftus, G. Kim Prisk, Urs Staufer, Erin M Tranfield, Wim Van Westrenen, Lena Palmberg

Complex Urban Atmospheres alter Alveolar Mesenchymal Stem Cell Niche Properties and drive Lung Fibrosis

Randa Belgacemi (AULNAY SOUS BOIS, France), Bruno Ribeiro, Grégoire Justeau, Marylène TOIGO, Audrey Der Vartanian, Saverio Bellusci, Geneviève Derumeaux, Denise Al Alam, Jorge Boczkowski, Patrice Coll, Sophie Lanone, Laurent Boyer

Late Breaking Abstract - Plasma proteomics analysis reveals sex-related differences in response to diesel exhaust

Hemshekhar Mahadevappa (Winnipeg, Canada), Juma Orach, Victor Spicer, Robert Balshaw, Christopher Carlsten, Neeloffer Mookherjee

TP-22

Session

08:30 - 09:30

Thematic poster: Tuberculosis, COVID-19 and other coinfections**Disease(s) :** Airway diseases**Method(s) :** Epidemiology Public health General respiratory patient care**The impact of COVID-19 on Tuberculosis diagnosis**

Ricardo José Pereira De Matos Cordeiro (Portela LRS, Portugal), Luis Mateus, Maria Cavaco, André Nunes, Carina Silvestre, Natália André, António Domingos

Trend of knowledge and attitude toward COVID-19 during 1st & 2nd wave of pandemic in pulmonary tuberculosis patients.

Ankita Mandal (Lucknow, India), Ajay Kumar Verma, Surya Kant, Jyoti Bajpai, Sujita Kar

In-hospital diagnosis of tuberculosis (TB) in non-HIV patients: the impact of the COVID-19 pandemic.

Mariana Ramos Martins (Faro, Portugal), Lídia Carvalho, Teresa Carvalho, Isabel Gomes

Influence of COVID19 pandemic on change of attitude about tuberculosis among patients with respiratory diseases in Serbia

Miroslav Ilić (Sremska Kamenica (Vojvodina), Republic of Serbia), Dragan Bijelić, Nevena Savić, Jovan Javorac, Ana Milenković, Miloš Cvetković, Dejan Živanović, Dragica Kovačević

Factors associated with the clinical profile and outcome of SARS-COV-2 (COVID-19) patients co-infected with tuberculosis in a tertiary hospital: a retrospective study

Jelena Louise Arreza (Cebu City, Cebu Province, Philippines), Ma. Philina Villamor

Impact of covid19 on the fight against tuberculosis in the wilaya of Blida

Meriem Oulad kouider (Blida, Algeria), Sofiane Alihalassa

The COVID19 pandemic may lead to the activation of the forgotten tuberculosis

Miroslav Ilić (Sremska Kamenica (Vojvodina), Republic of Serbia), Miloš Cvetković, Dragica Kovačević, Darinka Kukavica, Nevena Savić, Ana Milenković, Jovan Javorac

Tuberculosis related lethality structure in Kharkiv, Ukraine: impact of COVID 19

Olha Konstantynovska (Kharkiv, Ukraine), Petro Poteiko, Tetiana Synenko, Oleh Stepanov, Oleksandr Zinenko, Tetiana Liadova, Olha Volobuieva

Increased long-term mortality among tuberculosis and influenza cases compared to patients with Salmonella infection

Anthony Byrne (Sydney (NSW), Australia), Kenneth Ng, Jennifer Pett, Ellen Donnan, Javier Haurat, Ben Marais

COVID19 and tuberculosis Co-infection: clinical, biological and radiological characteristics

arbia chaieb (Tunis, Tunisia), Abir Hedhli, Yassine Ouahchi, Toujeni Sonia, Cheikhrouhou Sana, Merai Samira, Mjid Mariem, Dhahri Bessma

The role of biological monitoring in raising the suspicion of nosocomial infection with SARS CoV 2 in patients with tuberculosis

Ionut Valentin Stanciu (Constanta, Romania), Zamfir Viorica, Arghir Ioan Anton, Dantes Elena

Influence of COVID-19 pandemic on the main epidemiological data of TB in Azerbaijan

Gulzar Aliyeva (Baku, Azerbaijan), Agigat Gadirova

Intrathoracic aspergillomas-study conducted in an area with high endemic tuberculosis

Denisa-Gabriela Andrei (Constanta, Romania), Elena Dantes, Simona Lupsa, Viorica Zamfir, Angelica Potamian, Oana Arghir

TP-15

Session

08:30 - 09:30

Thematic poster: Paediatric sleep disorders and management in various diseases**Disease(s) :** Sleep and breathing disorders**Method(s) :** Physiology General respiratory patient care Epidemiology Public health Respiratory intensive care**Chairs :** Hui Leng Tan (London, United Kingdom), Cristina Ardura-Garcia (Bern, Switzerland)**Feasibility of wearable respiratory monitoring in paediatric sleep medicine: early insights**

Ross Langley (Glasgow, United Kingdom), Elise Buchan, Hannah Gibson, Bruce Henderson, Osian Meredith, Christopher Truemen, Philip Davies

Sleep outcomes in spinal muscular atrophy and role of disease-modifying treatments.

Daryl Butler (Dublin, Ireland), Ioannis Makariou, Mariacristina Scoto, Vasantha Gowda, Miguel Fernandez, Elizabeth Wraige, Heinz Jungbluth, Francesco Muntoni, Hui-Leng Tan, Federica Trucco

Sleep disturbances in children with cystic fibrosis and primary ciliary dyskinesia at the beginning and in the first year of COVID-19 pandemic

Tuğba Şişmanlar Eyuboglu (Ankara, Turkey), Ayse Tana Aslan, Tugba Ramasli Gursoy, Pelin Asfuroglu, Azime Sebnem Soysal, Dilek Yapar, Mustafa Necmi Ilhan

Orofacial myofunctional evaluation in children with Down Syndrome and obstructive sleep apnea

Suzana Erico Tanni (Botucatu (SP), Brazil), Suzana Tanni, Silke Anna Theresa Weber, Daniela Barreto E Silva Pitta, Camila De Castro Correa, Karina A Santos, Jefferson L De Barros, Antonio Carlos Marão, Catia Fonseca

Respiratory evolution of children with Spinal Muscular Atrophy Type 1 under gene therapy

Rosário Ferreira (Lisbon, Portugal), Ana Saianda, Joana Coelho, Teresa Moreno

Need for establishment of multi-disciplinary management guidelines for children with CHARGE syndrome on respiratory support; 10 years' experience in Cambridge University Hospital (CUH)

Sarah Nethercott (Cambridge (Cambridgeshire), United Kingdom), Laura Baird, Louise Edwards, Donna Mcshane, Doxa Kotzia

Every breath you take, we'll be watching you!

Neha Mohan Rao (Birmingham, United Kingdom), Ciaran Mcardle, Joanna Bennett, Benjamin Davies, Satish Rao, Priti Kenia

Home cardiorespiratory sleep studies in children: single-centre experience and caregiver opinions.

Kanwal Jehanzeb (Birmingham, United Kingdom), Nikoletta Lofitou, Roisin Kay, Ciaran Mcardle, Fiona Robinson, Benjamin Davies, Satish Rao, Priti Kenia

Home mechanical ventilation in children: The experience of pediatric pulmonology divisions in Istanbul

Mürüvvet Yanaz (Istanbul, Turkey), Fusun Unal, Evrim Hepkaya, Hakan Yazan, Sinem Can Oksay, Ebru Kostereli, Cansu Yilmaz Yegit, Azer Kilic Baskan, Zeynep Reyhan Onay, Aynur Gulieva, Aslinur Soyuyigit, Mine Kalyoncu, Hanife Busra Kucuk, Yetkin Ayhan, Almala Pinar Ergenekon, Emine Atag, Selcuk Uzuner, Nilay Bas Ikizoglu, Ayse Ayzit Kilinc, Pinar Ay, Ela Erdem Eralp, Yasemin Gokdemir, Sedat Oktem, Erkan Cakir, Saniye Girit, Zeynep Seda Uyan, Haluk Cokugras, Refika Ersu, Bulent Karadag, Fazilet Karakoc

Continuous positive airway pressure therapy in children with Down syndrome and obstructive sleep apnoea: outcome and predictive factors.

Inez Vanholder (Edegem, Belgium), Sophie Installé, Anse Van Ostaeeyen, Stijn Verhulst, An Boudewyns, Kim Van Hoorenbeeck

4-year experience of nurse-led non-invasive ventilation (NIV) clinic at a specialist paediatric respiratory centre.

Joanna Bennett (Birmingham, United Kingdom), Neha Rao, Laura Morris, Satish Rao, Benjamin Davies, Priti Kenia

How do we determine successful non-invasive ventilation (NIV) success in children: Carer and Clinician opinion

Kim Lund (Newcastle, United Kingdom), Christopher Grime, Liam Durkin

Development of a new nurse-led non-invasive ventilation (NIV) initiation pathway for children and young people (CYP)

Neha Mohan Rao (Birmingham, United Kingdom), Joanna Bennett, Laura Morris, Satish Rao, Benjamin Davies, Priti Kenia

TP-21

Session

08:30 - 09:30

Thematic poster: COVID complications

Disease(s) : Respiratory critical care Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Epidemiology Respiratory intensive care General respiratory patient care Imaging Pulmonary function testing Public health Cell and molecular biology Endoscopy and interventional pulmonology

Chairs : Søren Sperling (Aarhus N, Denmark), Chair to be confirmed

Spontaneous pneumomediastinum, subcutaneous emphysema and pneumothorax in non-intubated patients with COVID-19 pneumonitis: a retrospective case note review of a single centre experience

Randeep Karwal (WILLENHALL, United Kingdom), Anastasia Fries, Sara Tsimerman, Dewmi Subasinghearac, Lydia Holden, Sharon Power, Yasser Madani

CoVid-19 and Influenza co-infection within North-West England: Flu-Rona – we won't ever find it if we don't look for it>

Fred Fyles (Liverpool, United Kingdom), Phoebe Hazenberg, Jonathan Folb, Daniela Ferreira, Hassan Burhan, Andrea M Collins

Clinico-etiological Profile of COVID-19 Cases with Cavitory Lung Lesions

Arjun Kumar (Rishikesh, India), Prakhar Sharma, Girish Sindhvani

Taste and smell disorders during and post-acute Covid-19 in the population of Agadir

Abdelkrim Khannous (Agadir, Morocco), Fatiha Bounoua, Houda Moubachir, Hind Serhane

Pneumothorax in ARDS hospitalized Covid-19 patients: risk factors, therapeutic strategies and outcome

Beatrice Ragnoli (Vallio Terme, Italy), Patrizia Pochetti, Lorenza Conti, Anna Maria Calareso, Mariangela Barbieri, Luca Ruggero, Tiziana Cena, Mario Malerba

Venous and arterial thromboses in hospitalized patients with acute COVID-19 at University Hospital Dubrava

Ivona Kovacevic (Zagreb, Croatia), Jasna Tekavec Trkanjec, Đivo Ljubicic, Ivan Marasovic, Darjan Ranilovic, Marko Lucijanic, Nevenka Piskac Zivkovic

Short term impact of COVID19 pneumonia on cardiovascular profile

Irma Bracka (GALATSI ATHENS, Greece), Ioannis Karampinis, Eleni Bellou, Elli Keramida, Thodoris Daskalos, Panagiotis Demertzis, Georgia Hardavella

Characterization of respiratory sequelae following SARS-CoV-2 infection, a monocenter study

Aurélien Justet (Paris, France), Jean Richeux, Jasper Flint, Margaux Pasquesoone, Armelle Mouadil, Pierre Cuchet, Fouquet Helene, Nicolas Aide, Simon Deshayes, Vincent Lepennec, Emmanuel Bergot

Olfactory dysfunction in COVID-19 according to individuals' perception and olfactory test among health care workers

THIAGO SERRANO (CAMPINAS, Brazil), Marcelo Antonio, Lorena Giacomini, Fernando Marson, Jose Dirceu Ribeiro, Eulalia Sakano

Comparative study assessing the Pulmonary Function impairment in patients affected during Covid -19 1st and 2nd wave

Rajesh Agrawal (Bareilly, India), Amit Kumar, Rishi Saini, Javied Malik

Incidence of pneumothorax, subcutaneous emphysema and pneumomediastinum in patients with COVID – 19

Pavel Yordanov (Varna, Bulgaria), Valentina Dimitrova

Case report: Spontaneous pneumomediastinum (SPM) and intestinal perforation secondary to COVID-19 in the same patient.

Albino Petrone (Cosenza (CS), Italy), Pietro Scrivano, Andrea Corsonello, Michela Quartieri, Giuseppe Francesco Rago, Francesco Cesario, Carlo Lorenzo Manfredi, Achille Gaudio, Enrico Scarpelli, Angelo Barbato

Pneumomediastinum in non-intensive care unit hospitalized patients with COVID-19 pneumonia

Moises Muley (, Italy), Panaiotis Finamore, Claudio Pedone, Domenico Paolo Emanuele Margiotta, Emanuele Gilardi, Federica Sambuco, Antonio De Vincentis, Umberto Vespasiani Gentilucci, Francesco Travaglino, Raffaele Antonelli Incalzi

COVID-19 associated pulmonary cavitory lesions - A single center observational study

Sheetal Chaurasia (Bangalore (Karnataka), India), Manjunath Thimmappa, Saurav Chowdhury

Renal dysfunction in patients with COVID-19 pneumonia with severe and critically ill status.

Ahmed Elesdoudy (Menouf (el menoufia), Egypt)

Hospitalised patients with COVID-19: the impact of nosocomial infections

Lucia Méndez González (Santa Maria da Feira, Portugal), Jorge Ferreira, Cátia Caneiras

Post-COVID-19 patients develop lung fibrotic-like changes: is there a role for IL-1 and TGF- ?

Claudio Candia (Naples, Italy), Chiara Colarusso, Antonio Molino, Michela Terlizzi, Alessandro Saglia, Eliana Sferra, Marta Coppola, Lorena Gallotti, Alessandro Vatrella, Aldo Pinto, Rosalinda Sorrentino

CoV-Sym: The development of a psychometrically validated patient reported outcome measure for COVID-19

Caitlin Lythgoe (Liverpool, United Kingdom), Anna Rowe, Olalekan Lee Aiyegbusi, Lucy Chambers, Frances Sherratt, Joseph Wood, Bridget Young, Dan Wootton

Long term clinical and lung function test assessment in critically ill covid-19 patients: a 1-year follow-up

Leonardo Rovere (Milano, Italy), Giovanni Fumagalli, Elena Magni, Eliana Scoditti, Lisa Pancini, Paolo Gaboardi, Paolo Tarsia

Quality of life and dyspnoea grade after a severe SARS-CoV-2 pneumonia: a 12-month follow-up.

Lidia Zamudio Domingo (BANYOLES, Spain), Lidia Perendreu Busquets, Saioa Eizaguirre Anton, Marc Bonnin Vilaplana, Gladis Sabater Talaverano, Marina Belén Lescano Ponce, Ramon Orriols Martínez

Studio	Session	08:45 - 09:00
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News from the Studio: Welcome and introduction

Chairs : Richard Costello (Dublin 9, Ireland), Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)

08:45 Discussion and Q&A

Studio	Session	09:15 - 09:45
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Pro-Con debate: T2 high and T2 low asthma: should we care, or should we only care about asthma?

Aims : To introduce the current status of asthma patients with T2 inflammation.

Disease(s) : **Airway diseases** Paediatric respiratory diseases

Method(s) : Cell and molecular biology Epidemiology General respiratory patient care

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Paediatrician, Physician in Pulmonary Training

Chairs : Richard Costello (Dublin 9, Ireland), Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)

09:15 We should phenotype before treating asthma: Pro
Celeste Michala Porsbjerg (Copenhagen, Denmark)

09:25 We should phenotype before treating asthma: Con
Marco Idzko (Wien, Austria)

09:35 Discussion and Q&A

8B (live-streamed)	Session	09:30 - 11:00
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Symposium: Holistic management and rehabilitation of fibrosing interstitial lung diseases

Aims : to describe progress in non-pharmacological management of patients with fibrosing interstitial lung diseases (f-ILDs), including changes in clinical practice and the efficacy of treatments, using a patient-centred approach; to analyse the importance of self-management and the growing role of information and computing technologies in supporting monitoring, rehabilitation and non-pharmacological interventions in f-ILDs, including after lung transplantation; to describe non-pharmacological interventions that aim to relieve symptoms and improve quality of life; to provide an update on dedicated pulmonary rehabilitation strategies and outcome measures in f-ILDs, considering the "new normal" in the context of the pandemic; to discuss new insights into the role of oxygen supplementation in management of breathlessness and the role of ambulatory oxygen in preventing exertional hypoxaemia and maximising the benefits of pulmonary rehabilitation.

Disease(s) : **Interstitial lung diseases** Respiratory critical care

Method(s) : General respiratory patient care Palliative care Pulmonary rehabilitation

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Thoracic surgeon, Respiratory therapist, Journalist

Chairs : Anh Tuan Dinh-Xuan (Paris, France), Daiana Stolz (Basel, Switzerland)

09:30 Patient's testimony
Speaker to be confirmed

09:35 Digitally supported self-management and rehabilitation of f-ILD patients
Marlies S. Wijzenbeek (Rotterdam, Netherlands)

09:50 Supportive care pathways for patients with f-ILDs and the impact of the COVID-19 pandemic
Elisabetta Renzoni (London, United Kingdom)

10:05 Standards of pulmonary rehabilitation in f-ILDs: where are we?
Anne Holland (Fitzroy North (VIC), Australia)

10:20 The role of oxygen in the management of dyspnoea in f-ILDs
Magnus Ekström (Lund, Sweden)

10:35 Discussion and Q&A

8G (live-streamed) Session 09:30 - 11:00**Hot topics: Beyond COVID: translating COVID treatment successes to all-cause ARDS**

Aims : To demonstrate that COVID ARDS may serve as model for all-cause ARDS, and to explain how COVID research data may help to improve the medical management of all-cause ARDS. The target audience includes translational and clinical scientists, as well as respiratory intensive care physicians. After the session, attendants will be able to identify the following: 1. how phenotypic data collected during the COVID pandemic will help distinguish ARDS phenotypes that are most likely to respond to treatment, 2. which of the treatments that were tested during the COVID pandemic are potential novel candidates for the treatment of ARDS, and 3. how research infrastructure developed in response to the COVID pandemic will help to accelerate drug development for ARDS.

Disease(s) : Pulmonary vascular diseases Respiratory critical care

Method(s) : Cell and molecular biology Respiratory intensive care

Tag(s) : COVID

Target audience : Clinical researcher, Medical Student, Respiratory critical care physician, Physiologist

Chairs : Marc Humbert (Le Kremlin-Bicêtre, France), Judith Garcia Aymerich (Barcelona, Spain), Miriam Barrecheguren Fernandez (Barcelona, Spain)

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|-------|--|
| 09:30 | Translating COVID biomarkers to treatable traits in ARDS
Speaker to be confirmed |
| 09:45 | Targeting novel pathways to dampen the inflammatory response
Manu Shankar-Hari (London, United Kingdom) |
| 10:00 | Improving vascular stability to enhance alveolocapillary function in ARDS
Jurjan Aman (Amsterdam, Netherlands) |
| 10:15 | Adaptive platform trials: shifting gears from COVID to tailored ARDS interventions
Carolyn Calfee (San Francisco, United States) |
| 10:30 | Discussion and Q&A |

8H (live-streamed) Session 09:30 - 11:00**Hot topics: Moving to prevention of preschool wheeze and asthma: almost there?**

Aims : to discuss viral infections as asthma triggers; to describe the background and possible mechanisms of bacterial lysate therapy; and to summarise recent research findings, suggesting their beneficial effects on asthma exacerbation frequency.

Disease(s) : Airway diseases Paediatric respiratory diseases Respiratory infections

Method(s) : Cell and molecular biology Epidemiology General respiratory patient care

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Medical Student, Paediatrician, Patient, Physiologist, Journalist

Chairs : Monika Gappa (Düsseldorf, Germany), Alexander Möller (Zürich, Switzerland)

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|-------|---|
| 09:30 | Patient's testimony
Danny Vijsma (, Netherlands) |
| 09:35 | Immune system function and reaction to infection and inflammation
Speaker to be confirmed |
| 09:50 | Factors and mechanisms of preschool wheezing
Sejal Saglani (London, United Kingdom) |
| 10:05 | Paediatric trials using bacterial lysates
Susanna Esposito (Milano (MI), Italy) |
| 10:20 | Asthma prevention in 2022
Erika von Mutius (München, Germany) |
| 10:35 | Discussion and Q&A |

8C (live-streamed) Session 09:30 - 11:00**Clinical cases: Lungs on fire: Lung cancer?**

Aims : To facilitate the presentation of real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

Disease(s) : Respiratory infections Thoracic oncology

Tag(s) : Clinical

Target audience : Thoracic oncologist, Thoracic surgeon, Adult pulmonologist/Clinician, General practitioner, Clinical researcher, Nurse, Paediatrician, Pathologist, Physician in Pulmonary Training, Respiratory critical care physician, Radiologist, Medical Student

Chairs : Georgia Hardavella (Athens, Greece), Torsten Gerriet Blum (Berlin, Germany), Joanna Chorostowska-Wynimko (Warsaw, Poland)

Discussants : Andriani Charpidou (Athens, Greece), Sam Janes (London, United Kingdom)

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|-------|--|
| 09:30 | Case 1 incl. panel discussion and Q&A - Author: F. Mei (Italy)
Andriani Charpidou (Athens, Greece) |
| 09:52 | Case 2 incl. panel discussion and Q&A - Author: S. Wickramasinghe (Sri Lanka)
Sam Janes (London, United Kingdom) |
| 10:14 | Case 3 incl. panel discussion and Q&A - Author: N. Abu Hussein (Switzerland)
Andriani Charpidou (Athens, Greece) |
| 10:36 | Case 4 incl. panel discussion and Q&A - Author: N. Cetin (Turkey)
Sam Janes (London, United Kingdom) |

8A (live-streamed)

Session

09:30 - 11:00

State of the art session: Airway diseases

Precision medicine for asthma, chronic obstructive pulmonary disease and chronic cough: new drugs, biomarkers and approaches

Aims : to discuss an individual's ageing patterns and how these can impact future clinical outcomes; to discuss the identification and treatment options for people with chronic cough; to discuss relevant biomarkers and how to apply them in clinical practice; to provide insight into the barriers to and facilitators of using pulmonary rehabilitation as a vehicle to implement a treatable traits approach.

Disease(s) : Airway diseases Respiratory critical care

Method(s) : Epidemiology General respiratory patient care Pulmonary rehabilitation

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist

Chairs : Apostolos Bossios (Stockholm, Sweden), Emer Kelly (Dublin 4, Ireland)

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|-------|--|
| 09:30 | GETomics: integrating the time axis in our understanding of chronic obstructive pulmonary disease
Alvar Agusti Garcia-Navarro (Barcelona, Spain) |
| 09:45 | The interrelatedness of chronic cough and chronic pain
Jaclyn Smith (Manchester (Greater Manchester), United Kingdom) |
| 10:00 | Biomarkers of airway diseases in clinical practice
Florence Schleich (Liège, Belgium) |
| 10:15 | Patient's testimony
Hanna Nielsen (, Sweden) |
| 10:20 | Assessment of airway mucus function and associated treatment in asthma and COPD
Arnaud Bourdin (Montpellier Cedex 5, France) |
| 10:35 | Discussion and Q&A |

8F

Session

09:45 - 11:00

Oral presentation: Best abstracts on tobacco, nicotine and cannabis

Disease(s) : Airway diseases Thoracic oncology Pulmonary vascular diseases Respiratory critical care

Method(s) : Public health Cell and molecular biology Epidemiology Physiology Pulmonary function testing General respiratory patient care

Chairs : Sofia Belo Ravara (Covilhã, Portugal), Paraskevi Katsaounou (Athens, Greece)

Heated tobacco products induced IL-8 overexpression with increased nicotinic acetylcholine receptor in human monocyte THP-1 cells

Hideki Inoue (Tokyo, Japan), Mayumi Yamamoto, Tetsuya Homma, Kaoru Mochizuki, Hitoshi Ikeda, Takaya Ebato, Yoshitaka Uchida, Kuniaki Hirai, Shin Ohta, Shintaro Suzuki, Akihiko Tanaka, Hironori Sagara

Heated Tobacco Products – are they safe alternative for traditional cigarettes?

Paulina Majek (Katowice, Poland), Mateusz Jankowski, Jan Eugeniusz Zejda, Grzegorz Brożek

Relationship of smoking with current and future social isolation and loneliness: 12-year follow-up of 8,780 older adults in England

Keir E J Philip (London, United Kingdom), Feifei Bu, Michael Polkey, Jamie Brown, Andrew Steptoe, Nicholas Hopkinson, Daisy Fancourt

Prevalence and demographics of marijuana users in a Lung Cancer Screening cohort

Amy Bhamani (London, United Kingdom), Jennifer L Dickson, Carolyn Horst, Sophie Tisi, Helen Hall, Andrew Creamer, Ruth Prendecki, John McCabe, Samantha L Quaipe, Fanta Bojang, Dominique Arancon, Kylie Gyertson, Anne-Marie Mullin, Jonathan Teague, Laura Farrelly, Allan Hackshaw, Sam M Janes

Novel messages on cigarette sticks and dissuasive cigarettes in smoking cessation and prevention

Giannis Karagiannidis (Athens, Greece), Emmanouil Smyrnakis, Anna-Bettina Haidich, Athanasia Pataka

Parental smoking predicts teenage smoking and e-cigarette use in Ireland-a longitudinal study

Salome Sunday (Blackpool, Ireland), Luke J. Clancy, Joan Hanafin

Particles emissions from a Heated Tobacco Product using sticks having four different flavours

Efthimios Zervas (Patra, Greece), Niki Matsouki, Chara Tsipa, Manos Konstantinidis, Paraskevi Katsaounou

Gender differences in teenage e-cigarette prevalence and predictive variables

Joan Hanafin (Dublin, Ireland), Salome Sunday, Luke Clancy

Impact of chewing bags, e-cigarettes, and combustible cigarettes on small airways and arterial stiffness

Annabelle Susann Hauck (Lübeck, Germany), Isabel Buchwald, Henrik Watz, Frederik Trinkmann, Daniel Drömann, Klaas Frederik Franzen

Late Breaking Abstract - Patient sentiments on tobacco industry ownership of respiratory therapies: A community survey

Ruth Tal-Singer (Media, United States), Murali Krishna Paglou, Linda Walsh, Tim Deuby, Karin Hoth, Victor Gascon, Susanne Hintringer, Nicole Hass, Tonya Winders, Lucy Morgan, Byron Thomashow, David Mannino

Discussion

8N

Session

09:45 - 11:00

Oral presentation: Novel targets and approaches in pulmonary translational research

Disease(s) : [Interstitial lung diseases](#) [Airway diseases](#)

Method(s) : Cell and molecular biology

Chairs : Audrey Joannes (RENNES, France), Chair to be confirmed

Monocyte migration epigenetically regulated by PRMT7 driving COPD pathogenesis

Thomas Conlon (Neuherberg, Germany), Aicha Jeridi, Gizem Günes Günsel, Niklas J. Lang, Meshal Ansari, Hannelore P. Van Eeckhoutte, Stijn Verleden, Tobias Stoeger, Melanie Königshoff, Oliver Eickelberg, Ken R. Bracke, Gerald Burgstaller, Henrik Watz, Herbert B. Schiller, Robert Schneider, Ali Önder Yildirim

Secreted phospholipase A2 XIIA triggers a mitochondrial damage-induced senescence in chronic obstructive pulmonary disease (COPD) fibroblasts

Danushki Herath (Créteil, France), Benjamin Even, Mathilde Oranger, Dulce Papy, Laurent Boyer, Jorge Boczkowski, Maylis Dagouassat

Involvement of FGF21 in pulmonary fibrosis

Mada Ghanem (Paris, France), Aurelien Justet, Mouna Hachem, Tiara Boghanim, Aurelie Vadel, Madeleine Jaillet, Arnaud Mailleux, Bruno Crestani

Role of Wnt5a signals in allergic asthma

Abhinav Singla (Essen, Germany), Karin Peters, Sebastian Reuter, Hendrik Beckert, Sandra Busse, Petra Bonowitz, Marcus Peters, Christian Taube

Lung tissue multi-layer network in COPD

Núria Olvera Ocaña (Barcelona, Spain), Jon Sánchez-Valle, Iker Núñez, Sandra Casas-Recasens, Alejandra Lopez-Giraldo, Rosalba Lepore, Davide Cirillo, Alvar Agustí, Alfonso Valencia, Rosa Faner

Increasing efficiency of alveolar type II cells generation from human induced pluripotent stem cells

Alejandro Rodriguez Ruiz (Leiden, Netherlands), Abilash Ravi, Shewanti Khoenkhoen, Marcella Dias Brescia, Berend Van Meer, Ruth Olmer, Martin Ulrich, Pieter Hiemstra, Anne Van Der Does

Spatial ECM proteomics resolves instructive tissue niches in the distal human lung

Yuexin Chen (München, Germany), Janine Schniering, Pascal Albanese, Meshal Ansari, Christoph H. Mayr, Peter Dorfmueller, Mircea-Gabriel Stoleriu, Rudolf Hatz, Christian P. Schneider, Jürgen Behr, Anne Hilgendorff, Richard Scheltema, Herbert B. Schiller

Transcriptional characterization suggests accelerated epithelial differentiation in Trisomy 21 Lungs

Soula Danopoulos (Torrance, United States), Soumyaroop Bhattacharya, Caroline Cherry, Gail Deutsch, Thomas Mariani, Denise Al Alam

A single-cell atlas of human fetal lung development between 14 and 19 weeks of gestation.

Laurent RENESME (Talence, France), Flore Lesage, David P Cook, Shumei Zhong, Satu M Hänninen, Olli Carpén, Ivana Mižíková, Bernard Thébaud

Late Breaking Abstract - Gene expression and DNA methylation changes induced by Mepolizumab in the nasal epithelium in severe asthma

Kamini Rakkar (Nottingham, United Kingdom), Yik Lam Pang, Poojitha Rajasekar, Michael A Portelli, Robert Hall, Rachel L Clifford, Dominick Shaw, Ian Sayers

Discussion

8L

Session

09:45 - 11:00

Oral presentation: Lung allograft dysfunction: towards better monitoring and treatment

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#)

Method(s) : Transplantation Pulmonary function testing Cell and molecular biology

Chairs : Robin Vos (Leuven, Belgium), Michael Perch (København Ø, Denmark)

Can early lung function measurement predict baseline lung allograft dysfunction (BLAD)?

Nour Hanafi (Toronto, Canada), Anastasiia Vasileva, Joyce Wu, Clodagh Ryan, Chung-Wai Chow, John Matelski

Characterization of chronic lung allograft dysfunction (CLAD) at time onset using respiratory oscillometry (Osc)

Anastasiia Vasileva (Toronto, Canada), Nour Hanafi, Ella Huszti, Cynthia Nohra, Natalia Belousova, Joyce K. Y. Wu, Clodagh Ryan, Chung-Wai Chow

LSC - 2022 - Mapping the Immune Response Diversity after Murine Lung Transplantation

Janne Kaes (Leuven, Belgium), Emilie Pollenus, Celine Aelbrecht, Vincent Geudens, Arno Vanstapel, Tobias Heigl, Annelore Sacreas, Lynn Willems, Jan Van Slambrouck, Astrid Vermaut, Lucia Aversa, Hanne Beeckmans, Dirk Van Raemdonck, Hengshuo Liu, Alexey Dashkevich, Ali Önder Yildirim, Philippe Van Den Steen, Laurens Ceulemans, Robin Vos, Bart Vanaudenaerde

JAK-STAT pathway is upregulated in CLAD

Hanne Beeckmans (Leuven, Belgium), John E McDonough, Laurens De Sadeleer, Annelore Sacreas, Arno Vanstapel, Janne Kaes, Anke Van Herck, Karen Maes, Ghislaine Gayan-Ramirez, Wim Janssens, Hélène Schoemans, Els Wauters, Arne P Neyrinck, Geert M Verleden, Lieven J Dupont, Godinas Laurent, Laurens J Ceulemans, Dirk E Van Raemdonck, Bart M Vanaudenaerde, Robin Vos

Detection of bacterial colonization in lung transplant recipients using an electronic nose

Nynke Wijbenga (Rotterdam, Netherlands), Nadine L. A. De Jong, Rogier A. S. Hoek, Bas J. Mathot, Leonard Seghers, Daniel Bos, Olivier C. Manintveld, Merel E. Hellemons

Upper tract microbiome modifications after lung transplantation and its impact in chronic lung allograft dysfunction

Victoria Ruiz De Miguel (Barcelona, Spain), Olfat Khannous, Cristina Berastegui, Kharina Loor, Mario Culebras, Maria Deu, Chaysavanh Mannichanh, Alba Santiago, Berta Saez-Gimenez, Susana Gomez-Olles, Encarna Varela, Manuel Lopez-Meseguer, Eva Revilla-Lopez, Victor Monforte, Antonio Roman, Toni Gabaldon

Azithromycin and lung transplant: the sooner the better

Marta Cristeto Porras (Santander, Spain), Víctor Manuel Mora Cuesta, Laura González Ramos, Noelia Borja Vargas, Joy Selene Osorio Chávez, Sandra Tello Mena, David Iturbe Fernández, Jose Manuel Cifrián Martínez

National experience with Nintedanib for restrictive allograft syndrome following lung transplantation

Hans Henrik Schultz (København, Denmark), Elisabeth Bendstrup, Kristine Jensen, Jesper Rømhild Davidsen, Thomas Kromann Lund, Michael Perch

Late Breaking Abstract - Altered pIgR/IgA mucosal immunity in bronchiolitis obliterans syndrome

François Carlier (Namur, Belgium), Marina Pretolani, Bruno Detry, Nicolas Heddebaut, Thomas Planté-Bordeneuve, Elisabeth Longchamp, Loïc Falque, Martine Reynaud-Gaubert, Sandrine Hirschi, Xavier Demant, Jean-François Mornex, Adrien Tissot, Jérôme Le Pavec, Jonathan Messika, Aurore Foureau, Alexandre Vallée, Charles Pilette, Olivier Brugière, And The Colt Consortium

Discussion**8M Session 09:45 - 11:00****Mini symposium: Update on nontuberculous mycobacterial pulmonary diseases**

Aims : to present and discuss the state of the art in nontuberculous mycobacteria, considering recent evidence and recently published guidance documents.

Disease(s) : Respiratory infections

Method(s) : Epidemiology Imaging Public health

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist, Journalist

Chairs : Raquel Duarte (Porto, Portugal), James D. Chalmers (Dundee (Angus), United Kingdom)

09:45 Consensus management recommendations for less-common nontuberculous mycobacterial pulmonary diseases
Jakko van Ingen (Nijmegen, Netherlands)

10:00 How to deal with underlying host factors
Claire Andrejak (Amiens, France)

10:15 New drugs: status, gaps and future
Christoph Lange (Borstel, Germany)

10:30 Discussion and Q&A

Studio Session 10:00 - 10:30**Guidelines session: Idiopathic pulmonary fibrosis: an update of diagnosis and treatment recommendations**

Official ATS/ERS/JRS/ALAT Clinical Practice Guidelines

Disease(s) : Interstitial lung diseases

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Medical Student, Physician in Pulmonary Training, Clinical researcher, General practitioner

Chairs : Andrew Bush (London, United Kingdom)

10:00 Discussion and Q&A
Ganesh Raghu (Seattle, United States), Maria Molina Molina (Barcelona, Spain)

8D Session 10:20 - 12:40**Skills workshop: SW2 Exercise, muscle and sleep assessment and interpretation: tips and pitfalls**
Tips and pitfalls in exercise, muscle and sleep assessment

Aims : To describe “typical” patterns of responses to exercise, muscle and sleep and to determine methods to distinguish these responses from “anomalous” response profiles that can cause misinterpretation of test results.

Disease(s) : Sleep and breathing disorders**Method(s) :** Imaging Physiology Pulmonary function testing Pulmonary rehabilitation Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory critical care physician, Journalist**Chairs :** Sophia E. Schiza (Heraklion, Greece)**10:20 Introduction****10:20 Cardiopulmonary exercise testing: breathing patterns and dynamic hyperinflation**
Michele Schaeffer (Leuven, Belgium)**10:20 Respiratory and locomotor muscle testing in clinical practice**
Samuel Verges (Grenoble, France)**10:20 From different pathophysiological traits revealed by polysomnography to treatment indications or combination of therapies**
Manuel Sanchez De La Torre (Lleida, Spain)**10:20 Implementation, titration and follow-up of positive airway pressure in patients with obstructive sleep apnoea**
Athanasia Pataka (Thessaloniki, Greece)**10:30-11:15****INDUSTRY SKILLS LAB WORKSHOP****SEE PAGE 1****Studio****Session****10:45 - 11:15****Guidelines session: Transbronchial (cryo)biopsy and surgical lung biopsy in interstitial lung diseases****Disease(s) :** Interstitial lung diseases Thoracic oncology**Method(s) :** General respiratory patient care Endoscopy and interventional pulmonology Imaging**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Physician in Pulmonary Training, Medical Student, Thoracic oncologist, Thoracic surgeon, Radiologist**Chairs :** Andrew Bush (London, United Kingdom)**10:45 Discussion and Q&A**
Daniël Korevaar (Amsterdam, Netherlands), Venerino Poletti (Forlì, Italy)**8H (live-streamed)****Session****11:15 - 12:45****Symposium: Lung function testing from preschool age to adolescence: are we done with spirometry?****From technical recommendations to real-life use****Aims :** to update the knowledge of the audience about different lung function tests applicable from preschool age to adolescence by reviewing the most recent technical changes and the clinical use of these techniques; to explore the accuracy of respiratory mechanics measurements in assessment of bronchial reactivity in asthmatic children, the clinical applications of oscillometry in children, the swift ascent of the measurement of ventilation heterogeneity as a primary outcome in cystic fibrosis patients and the accuracy of new developments in spirometry that have been accelerated by the ongoing COVID-19 pandemic.**Disease(s) :** Airway diseases Paediatric respiratory diseases**Method(s) :** Epidemiology Physiology Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist**Chairs :** Monika Gappa (Düsseldorf, Germany), Alexander Möller (Zürich, Switzerland)**11:15 The interrupter technique: from reference values to bronchial reactivity assessment**
Nicole Beydon (Paris, France)

- 11:30 Oscillometry in children: from reference values to clinical use**
Enrico Lombardi (Florence, Italy)
-
- 11:45 Multiple breath washout techniques: from the technical consensus statement to clinical use**
Paul Robinson (Sydney (NSW), Australia)
-
- 12:00 Spirometry: from implications of new recommendations to home-based spirometry during pandemics**
Margaret Rosenfeld (Seattle, United States)
-
- 12:15 Discussion and Q&A**

8G (live-streamed) Session 11:15 - 12:45

Hot topics: Launch of "Lung Facts"

Using data to create a transformation in respiratory healthcare

Aims : to launch and present the findings of the new "Lung Facts". As a major step forwards from the European Lung White Book, published >10 years ago, Lung Facts is a web-based resource presenting all the key epidemiological and economic data for key respiratory conditions across WHO Europe and by each WHO Europe country, which will now be updated regularly. "Lung Facts" will provide a key advocacy tool in the context of the International Respiratory Coalition (IRC) to raise the profile of lung health following the devastating impact of the COVID-19 pandemic on respiratory health across the globe.

Method(s) : Epidemiology General respiratory patient care Public health

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Paediatrician, Patient, Physician in Pulmonary Training, Journalist

Chairs : Marc Humbert (Le Kremlin-Bicêtre, France), Judith Garcia Aymerich (Barcelona, Spain), Chair to be confirmed

- 11:15 What we know and where the gaps are**
Mina Gaga (Athens, Greece)

- 11:30 The economics**
Matthew Franklin (Sheffield, United Kingdom)

- 11:45 Areas for action**
Guy F. Joos (Ghent, Belgium)

- 12:00 Having a national impact**
Chantal Raheison-Semjen (Pointe-à-Pitre, Guadeloupe)

- 12:15 Discussion and Q&A**

8L Session 11:15 - 12:30

Oral presentation: Advances in epidemiology, diagnosis and treatment of tuberculosis

Disease(s) : Airway diseases

Method(s) : Epidemiology Public health General respiratory patient care Pulmonary function testing

Chairs : Ay egül Fusun Öner Eyübo lu (Ankara, Turkey), Marc Lipman (London, United Kingdom)

Long-term mortality of post-tuberculous survivors in Korea: a population-based longitudinal study

Hayoung Choi (Seoul, Republic of Korea), Hyun Lee, Kyungdo Han, Sang Hyuk Kim, Sang Hyun Park, Hyung Koo Kang, Jang Won Sohn, Dong Wook Shin

Effect of prevention therapy for subclinical tuberculosis in child household contacts

Qi Tan (Nanjing (Jiangsu), China), Chuan-Chin Huang, Mercedes Becerra, Roger Calderon, Silvia Chiang, Carmen Contreras, Leonid Lecca, Jimenez Judith, Perez-Velez Carlos, Claudia Roya-Pabon, Rosa Yataco, Hai Xu, Zibiao Zhang, Megan Murray

Culture conversion at 2 months among patients with rifampicin-susceptible pulmonary tuberculosis: a prospective cohort study

Jinsoo Min (Seoul, Republic of Korea), Hyung Woo Kim, Ju Sang Kim, Ki Man Lee, Sun-Hyung Kim, Sung Soo Jung

A new fully automated IGRA solution for the diagnosis of M.tb infection

Ali Esmail (Cape Town, South Africa), Richard Meldau, Linda Mbuthini, Marilyn Dupin, Didier Poirault, Keertan Dheda

Spirometry and radiological sequelae in post pulmonary tuberculosis: A systematic review

ayush goel (New Delhi, India), Animesh Ray, J Kirtana

Symptom Burden After Completion of Tuberculosis Therapy in REMoxTB
Conor Tweed (London, United Kingdom), Genevieve Wills, Jamilah Meghji

High prevalence of COPD despite successful tuberculosis treatment
Louis Yeung (Sydney, Australia), Zhixin Liu, Kenneth Ng, Anthony Byrne

Using whole genome sequencing to investigate tuberculosis outbreaks in a large UK city: examining the effectiveness of a stone in pond contact tracing approach
Darryl Braganza Menezes (Birmingham (West Midlands), United Kingdom), Tom Marshall, Emmanouil Tranos, Hanna Kaur, Esther Robinson, Grace Smith, Martin Dedicoat

Drivers determining active TB screening yield in different European screening programmes: a comparative analysis.
Dominik Zenner (London, United Kingdom), Daniella Brals, Connie Erkens, Alberto Matteoli, Joanna Nederby Öhd, Dee Menezes, Gerard De Vries, Morris Muzyamba, Job Van Rest, Valentina Marchese, Robert Aldridge, Ineke Spruijt, John Were, Sarah Anderson, Knut Lönnroth, Ibrahim Abubakar, Frank Cobelens

Discussion

8F **Session** **11:15 - 12:30**

Oral presentation: COPD treatment: new mechanisms and novel insights

Disease(s) : **Airway diseases**

Method(s) : Epidemiology Palliative care General respiratory patient care Cell and molecular biology Pulmonary rehabilitation

Chairs : Alexander Mathioudakis (Stockport, United Kingdom), Chair to be confirmed

The effect of integrated palliative care on quality of life and acute healthcare use in patients with COPD – results of the COMPASSION study
Niels H. Chavannes (Leiden, Netherlands), Johanna Broese, Rianne Van Der Kleij, Els Verschuur, Ewald Bronkhorst, Yvonne Engels, Huib Kerstjens

Pulmonary rehabilitation changes the oral microbiota of people with COPD
Sara Melo-Dias (Ílhavo, Portugal), Miguel Cabral, Andreia Furtado, Sara Souto-Miranda, João Carvo, Aurora Mendes, Catarina Almeida, Alda Marques, Sousa Ana

Benefit of prompt initiation of single-inhaler triple therapy in COPD patients in England following an exacerbation
Afisi Ismaila (Malvern, United States), Robert Wood, Alexandros Czira, Vicky Banks, Lucinda Camidge, Olivia Massey, Raj Sharma, Chris Compton, Kieran Rothnie

Commencement of fixed dose ICS of varying particle size as a predictor of pneumonia in COPD patients
William Henley (Exeter, United Kingdom), David Price, William Henley, Victoria Carter, Derek Skinner, Rebecca Vella, Alberto Papi, Leonardo M. Fabri, Huib Am Kerstjens, Nicolas Roche, Dave Singh, Claus F Vogelmeier, Elif Şen, José Eduardo Delfini Cançado, Maxim Kots, Elena Nudo, Sara Barile, George Georges

Antimicrobial properties of Gallium Protoporphyrin in COPD
James Baker (MANCHESTER, United Kingdom), Aisha Baba-Dikwa, Simon Lea, Dave Singh

Machine learning-based individual treatment effect estimation of azithromycin on COPD exacerbations
Kenneth Verstraete (Leuven, Belgium), Iwein Gyselinck, Michaël Staes, Sarah Lindberg, Richard Albert, John Connett, Maarten De Vos, Wim Janssens

Similar Programmed Death Ligand 1 expression profile in COPD and NSCLC structural and immune cells
Renata Esposito (Caserta, Italy), Davida Mirra, Giuseppe Spaziano, Erika Cione, Luca Gallelli, Antonio Capuozzo, Carlo Santoriello, Mario Polverino, Bruno D'Agostino, Francesca Polverino

Effects of inhaled corticoids on chronic bronchial infection by Pseudomonas aeruginosa in COPD patients
Noemi Cerón Pisa (Palma, Illes Balears, Spain), Amanda Iglesias, Hanaa Shafiek, Elena Jordana-Lluch, Maria Escobar-Salom, Javier Verdú, Carla López, Antonio Oliver, Carlos Juan, Borja G Cosío

Randomized double blind placebo-controlled study to demonstrate that antibiotics are not needed in moderate acute exacerbations of COPD - Results from the ABACOPD study
Gernot G.U. Rohde (Frankfurt am Main, Germany), Sebastian Häckl, Armin Koch, Martin Kolditz, Hartmut Timmermann, Stefan Andreas, Grit Barten, Tobias Welte, The Abacopd Study Group

Discussion

8M **Session** **11:15 - 12:30**

Oral presentation: Innovations in interventional pulmonology: pushing boundaries with beams, tunnels and robots

Disease(s) : Thoracic oncology Airway diseases Pulmonary vascular diseases Interstitial lung diseases**Method(s) :** Endoscopy and interventional pulmonology Imaging Surgery**Chairs :** Daniela Gompelmann (Vienna, Austria), Mohammed Munavvar (Preston (Lancashire), United Kingdom)**Cone beam CT is essential for worthwhile navigation bronchoscopy of small lung nodules**

Laurien Reinders (Rotterdam, Netherlands), Georgios Sotiropoulos, Ralitsa Baranowski, Lúcia Fonseca, Sander Langereis, Kelvin Lau

Robotic-assisted navigation bronchoscopy with needle-based confocal laser endomicroscopy (nCLE) for real-time lung cancer detection

Tess Kramer (Amsterdam, Netherlands), Christopher Manley, Rohit Kumar, Lizzy Wijmans, Martijn De Bruin, Eric Ross, Yulan Gong, Hormoz Ehya, Peter Bonta, Jouke Annema

The Archimedes navigation system for the diagnosis of peripheral pulmonary nodule. Report on initial experience.

Rachid Tazi Mezalek (Barcelona, Spain), Pere Serra Mitjà, Carmen Centeno Clemente, Carmen Fernandez Arias, Eduard Barrio Herraiz, Felipe Andreo Garcia, Marta Avila, Eva Castella, Ignasi Guasch Arriaga, Jorge Bechini Bernard, Jorge Abad Capa, Antoni Rosell Gratacós

Four year outcomes of bronchoscopic microwave ablation of peripheral lung nodules

Kelvin Lau (London, United Kingdom), Kornelija Maceviciute, Kire Temov, Ralitsa Baranowski

Cryo- versus surgical lung biopsy for diagnosing interstitial lung disease (ILD): the COLD RCT

Kirsten Kalverda (Amsterdam, Netherlands), Maarten K. Ninaber, Jelle R. Miedema, Jürgen Hölter, Chris Dickhoff, Merijn Kant, Johannes M.A. Daniels, Lizzy Wijmans, René E. Jonkers, Daniel A. Korevaar, Peter I. Bonta, Jouke T. Annema

Systematic evaluation of the pulmonary arteries during endobronchial ultrasound (EBUS) in patients with suspected lung cancer a prospective cohort trial.

Amanda Juul (Odense S, Denmark), Christian B. Laursen, Alice Vangerschov Christophersen, Arman Arshad, Stefan Møller Luef, Vasiliki Panou, Jens Paaby, Julie Gellert Larsen, Jacob Reimer, Casper Falster

Bronchial rheoplasty for chronic bronchitis: initial results from a european registry study with RheOx

Kaid Darwiche (Essen, Germany), Hanna Zellerhoff, Felix Herth, Judith Brock, Michael Meilinger, Irene Sperk, Arschang Valipour

CONVERT Trial: Collateral ventilation conversion by closure of fissure defect with AeriSeal Foam for BLVR with Zephyr valves

Michela Bezzi (Firenze (FI), Italy), Guido Levi, Kaid Darwiche, Thomas Egenod, Nicolas Guibert, Daniel Franzen, Felix J Herth, Dirk-Jan Slebos, Alan Kirk, Alex Yang, Dennis Mchugh, Narinder Shargill, Samuel V Kemp, Pallav L Shah

Discussion**8A (live-streamed)****Session****11:15 - 12:45****Clinical trials session: ALERT 1: COPD and hospital management****Aims :** Including the ALERT sessions (Abstracts Leading to Evolution in Respiratory Medicine Trials), these formats showcase important and very late-breaking clinical trial data from all respiratory disease areas. Presenters, session chairs and viewers will take part lively discussions on the presented trials.**Disease(s) :** Respiratory critical care Airway diseases**Method(s) :** Respiratory intensive care General respiratory patient care**Tag(s) :** Clinical**Chairs :** Apostolos Bossios (Stockholm, Sweden), Emer Kelly (Dublin 4, Ireland)**Discussants :** Dave Singh (Manchester, United Kingdom), Frits M.E. Franssen (Horn, Netherlands)**RCT Abstract - Dose response of icenticaftor in patients with COPD and chronic bronchitis on triple inhaled therapy**

Frits M.E. Franssen (Horn, Netherlands), Fernando J. Martinez, Jadwiga A. Wedzicha, Joerg H. Eckert, Barbara Knorr, Rutvick Parlikar, Ana-Maria Tanase, Christian Gessner

RCT Abstract - Point of care blood eosinophil guided oral prednisolone for COPD exacerbations: a multi-centre double blind randomised controlled trial (The STARR2 trial)

Mona Bafadhel (London, United Kingdom), Sanjay Ramakrishnan, Helen Jeffers, Beverley Langford-Wiley, Joanne Davies, Mahdi Mahdi, Christine A'Court, Ian Binnian, Stephen Bright, Simon Cartwright, Robin Fox, Richard Ek Russell

RCT Abstract - Bronchodilators in Symptomatic Tobacco-exposed Persons with Preserved Spirometry for the RETHINC Study Group

MeiLan K. Han (Ann Arbor, United States), Wen Ye, Di Wang, Emily White, Mehrdad Arjomandi, Igor Barjaktarevic, Stacey-Ann Brown, Russell Buhr, Alejandro Comellas, Christopher Cooper, Gerard Criner, Mark Dransfield, Frank Drescher, Rodney Folz, Nadia Hansel, Robert Kaner, Richard Kanner, Jerry Krishnan, Stephen Lazarus, Veeranna Maddipati, Fernando Martinez, Anne Matthews, Catherine Meldrum, Charlene Meevov, Toru Nyunoya, Linda Rogers, William Stringer, Christine Wendt, Robert Wise, Stephen Wisniewski, Frank Sciorba, Prescott Woodruff

Wrap-up by discussant and discussion

Dave Singh (Manchester, United Kingdom)

Late Breaking Abstract - Randomized, rater-blinded, controlled study of intravenous (IV) N-acetylcysteine (NAC) in hospitalized adults with respiratory tract disease and abnormal mucus secretion

Pietro Magrone (Milan, Italy), Wei Tang, Dan Zhu, Xin Zhang, Valentina Zanin, Jieming Qu

RCT Abstract - High-flow nasal cannula versus noninvasive ventilation in the prevention of escalation to invasive mechanical ventilation in patients with acute hypoxemic respiratory failure

Gamal Rabie Agmy (Assiut, Egypt), Mohamed Adam, Manal Elkhawaga, Entsar Hsanen

Awake Prone Positioning in Acute Hypoxemic Respiratory Failure from COVID-19: A Randomized Clinical Trial

Jason Weatherald (Edmonton, Canada), Waleed Alhazzani, Ken Kuljit S. Parhar, Zainab Al Duhailib, Mohammed Alshahrani, Abdulrahman Al-Fares, Sarah Buabbas, Sujith V. Cherian, Laveena Munshi, Eddy Fan, Fahad Al-Hameed, Jamal Chalabi, Amara A. Rahmatullah, Erick Duan, Jennifer L.Y. Tsang, Kimberley Lewis, François Lauzier, John Centofanti, Bram Rochweg, Sarah Culgin, Katlyne Nelson, Sheryl Ann Abdukahil, Kirsten M. Fiest, Henry T. Stelfox, Haytham Tlayeh, Maureen O. Meade, Dan Perri, Kevin Solverson, Daniel J. Niven, Rachel Lim, Morten Hylander Møller, Emilie Belley-Cote, Lehana Thabane, Hani Tamim, Deborah J. Cook, Yaseen M. Arabi

Wrap-up by discussant and discussion

Frits M.E. Franssen (Horn, Netherlands)

Closing remarks**8C (live-streamed)****Session****11:15 - 12:45****State of the art session: Thoracic oncology****Unravelling lung cancer mazes: a call for an aggressive approach**

Aims : to highlight the latest developments and controversies in lung cancer management; to cover four key areas in which critical new observations have been made in the past year; to provide consolidated updates in order to improve clinical management of lung cancer patients.

Disease(s) : Thoracic oncology

Method(s) : Cell and molecular biology Palliative care Surgery

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist, Journalist

Chairs : Georgia Hardavella (Athens, Greece), Torsten Gerriet Blum (Berlin, Germany), Joanna Chorostowska-Wynimko (Warsaw, Poland)

11:15 Patient's testimony
Seamus Cotter (Clarecastle, Ireland)

11:20 Does aggressive surgical management of oligometastatic disease pay off?
Stefano Elia (Roma (RM), Italy)

11:35 Recent advances in novel targeted therapies for non-small cell lung cancer and implications for current practice
Jan van Meerbeeck (Edegem (Antwerp), Belgium)

11:50 Incorporating immunotherapy in early-stage lung cancer management
Joanna Chorostowska-Wynimko (Warsaw, Poland)

12:05 Dyspnoea management in lung cancer: Pandora's box?
Irene Higginson (London, United Kingdom)

12:20 Discussion and Q&A

8B (live-streamed) Session 11:15 - 12:45**Journal session: The best of the European Respiratory Journal in 2022**

Aims : to highlight the best articles published in the European Respiratory Journal (ERJ) over the past 12 months; to provide an up-to-date review of the latest developments in three key respiratory fields, namely, interstitial lung disease, COVID-19 and respiratory epidemiology.

Disease(s) : **Interstitial lung diseases** **Respiratory infections**

Method(s) : Cell and molecular biology Epidemiology General respiratory patient care

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist, Journalist

Chairs : Anh Tuan Dinh-Xuan (Paris, France), Daiana Stolz (Basel, Switzerland)

11:15 **Interstitial lung disease**
Marlies S. Wijsenbeek (Rotterdam, Netherlands)

11:30 **COVID-19**
Tobias Welte (Hannover, Germany)

11:45 **Respiratory epidemiology**
Isabella Annesi Maesano (Montpellier, France)

12:00 **The ERJ: past, present and future**
Martin Kolb (Hamilton (ON), Canada)

12:15 **Discussion and Q&A**

8N Session 11:15 - 12:30**Mini symposium: Learning is a treasure that follows its owner everywhere****Yernaut lecture session**

Aims : to illustrate how the joy of learning, distinct curiosity and work endurance advance careers.

Chairs : Marion Delcroix (Leuven, Belgium), Richard Costello (Dublin 9, Ireland)

11:15 **Introduction**
Richard Costello (Dublin 9, Ireland)

11:25 **From respiratory research to clinical needs: the role model illustrates the way**
Silvia Ulrich (Zurich, Switzerland)

11:45 **Education and interdisciplinary research in a globalised world: physicians and allied health professionals' view**
Mona Lichtblau (Zürich, Switzerland), Stéphanie Saxer (Zürich, Switzerland)

12:00 **Discussion and Q&A**

12:20 **Teaching awards**

Studio Session 11:30 - 12:30**Online skills lab: Patient ventilator asynchrony (PVA) from ICU to home**

Aims : To describe major PVA in the intensive care, its clinical consequences and how to treat them; To describe major PVA during Home mechanical ventilation and propose a specific algorithm; Using case vignettes to provide guidance to understand PVA and how to solve them.

Chairs : Leo Heunks (Amsterdam, Netherlands), João Carlos Winck (Vila Nova de Gaia, Portugal), Marieke L. Duiverman (Groningen, Netherlands)

11:30 **Introduction**

11:35 **PVA in intensive care: Do we know what to do now?**
Lise Piquilloud (Lausanne, Switzerland)

11:50 **PVA at home: How and what to check in a "lifetime ventilation"?**
Claudia Crimi (Catania (CT), Italy)

12:05 **Let's set the ventilator treating asynchronies: Do all the roads lead to Rome?**
Jesus Gonzalez Bermejo (Montlignon, France)

12:20 **Q&A**

8L **Session** **12:45 - 14:00**

Oral presentation: New trends in exercise, physical activity and behavioural changes in COPD, ILD and asthma

Disease(s) : Airway diseases Interstitial lung diseases Thoracic oncology

Method(s) : Pulmonary rehabilitation Public health General respiratory patient care Surgery

Chairs : Thierry Troosters (Leuven, Belgium), Anne Holland (Fitzroy North (VIC), Australia)

Rapid Access Rehabilitation after exacerbations of COPD – an international Delphi study
Ana Oliveira (Hamilton, Canada), Shirley Quach, Jan Walker, Dina Brooks, Roger Goldstein

Does an 8-week pulmonary rehabilitation (PR) program have equivalent outcomes to a 12-week program in COPD? A randomised controlled trial.

Joshua Bishop (Balmain, Australia), Lissa Spencer, Tiffany Dwyer, Zoe Mckeough, Amanda Mcanulty, Jennifer Alison

Clusters of functional status in COPD: an exploratory analysis

Guilherme Rodrigues (Aveiro, Portugal), Vera Afreixo, Sara Souto-Miranda, Filipa Machado, Vânia Rocha, Maria A. Mendes, Vitória Martins, Paula Simão, Alda Marques

The importance of feeling in control - people with COPD's experiences regarding maintaining or increasing physical activity when using an eHealth tool. A grounded theory analysis.

Sarah Marklund (Umeå, Sweden), Ann Sörlin, Tobias Stenlund, Karin Wadell, Andre Nyberg

Hybrid pulmonary rehabilitation versus conventional outpatient pulmonary rehabilitation: a propensity-matched analysis

Marieke Wuyts (Laeken, Belgium), Astrid Blondeel, Sofie Breuls, Tim Vanhoutte, Veronica Barbier, Amber Beersaerts, Lode Claes, Iris Coosemans, Nele Vandenberg, Heleen Demeyer, Thierry Troosters, Wim Janssens, . On Behalf Of Leuven Pulmonary Rehabilitation Team Uz Leuven

Physical activity coaching in patients with ILD: a pilot study

Sofie Breuls (Leuven, Belgium), Astrid Blondeel, Marieke Wuyts, Jonas Yserbyt, Wim Janssens, Wim Wuyts, Heleen Demeyer, Thierry Troosters

Anxiety and depression symptoms after pulmonary rehabilitation in people with interstitial lung disease: responders and non-responders

Alda Sofia Pires De Dias Marques (Aveiro, Portugal), Eduardo Samuel Santos, Guilherme Rodrigues, Sara Souto-Miranda, Sara Almeida, Vânia Rocha, Pedro G. Ferreira, Maria Aurora Mendes

iLiFE-Lifestyle Integrated Functional Exercise for people with interstitial lung disease: a feasibility study

Cátia Paixão (Aveiro, Portugal), Pedro Ferreira, M Aurora Mendes, Dina Brooks, Alda Marques

Behavior change to increase physical activity reduces sleep disturbances in asthma: A randomized controlled trial

Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil), Patricia Freitas, Natalia Febrini Passos, Alberto Cukier, Regina Carvalho-Pinto

Late Breaking Abstract - Prognostic value of the 1-minute sit-to-stand test on postoperative complications in people with lung cancer elected for lung surgery

Kirsten Quadflieg (Maasmechelen, Belgium), Rachael Higgins, Maarten Criel, Marc Daenen, David Ruttens, Michiel Thomeer, Andrew Maiorana, Chris Burtin, Vinicius Cavalheri

Discussion

8F **Session** **12:45 - 14:00**

Oral presentation: Expanding the insight into COVID-19 dyspnoea

Disease(s) : Interstitial lung diseases Airway diseases Respiratory critical care

Method(s) : Pulmonary function testing Physiology Pulmonary rehabilitation General respiratory patient care Imaging

Chairs : Sam Bayat (Grenoble, France), Caroline Jolley (London, United Kingdom)

Pulmonary function and tomographic features in adult survivors of severe COVID-19 pneumonia: a prospective study of 12-month follow-up.

Paulina Barria (Santiago, Chile), Maria Mozó, Gonzalo Mendoza, Carlos Cerra, Jorge Manriquez, Mario Arellano

Dysfunctional breathing after COVID-19: symptoms, functional impact and quality of life

Selina Loew (, Switzerland), Leon Genecand, Marco Altarelli, Grégoire Gex, Elzbeta Binkova, Isabelle Frésard, Pierre-Olivier Bridevaux

Cardiopulmonary exercise testing and ventilatory efficiency in long COVID-19: 15 months follow-up

Daniel Piamonti (Roma (RM), Italy), Daniela Pellegrino, Arianna Sanna, Luigi Panza, Roberto Flore, Altea Lecci, Giulia Lo Muzio, Emanuele Messina, Valeria Panebianco, Carlo Catalano, Paolo Palange

CPET ventilatory characteristics of dysfunctional breathing in long COVID patients with persistent dyspnea

Pierre-Olivier Bridevaux (Sion, Switzerland), Marco Altarelli, Léon Genecand, Selina Loew, Elzbeta Binkova, Grégoire Gex, Isabelle Frésard

Dyspnoea in patients presenting post-COVID-19 respiratory clinic not fully explained by lung function impairment and chest radiography abnormalities.

Balamugesh Thangakunam (Vellore (Tamil Nadu), India), Jebin Roger, Barney Isaac, Divya Mangal, Anitha Barney, Richa Gupta, Devasahayam J Christopher

Virtual reality intervention alleviates dyspnea in patients recovering from COVID pneumonia

Sophie Betka (Genève, Switzerland), Kannape Oliver, Fasola Jemina, Lance Florian, Cardin Sylvain, Schmid Aline, Similowski Thomas, Soccia Paola, Herbelin Bruno, Adler Dan, Blanke Olaf

Persistent dyspnea six months after SARS-CoV-2 pneumonia : what are the contributing factors ?

Leila Douik El Gharbi (Ariana, Tunisia), Imen Sahnoun, BOUGACHA MARWA, Ines Moussa, Siwar Rejab, Salma Makkadem, Rihab Jebali, Saloua Jameleddine

Persisting exertional dyspnea and perceived exercise intolerance after mild Covid-19: a critical role for breathing dysregulation?

Bram van den Borst (Nijmegen, Netherlands), Esther L. van Voorthuizen, Hanneke A.C. Van Helvoort, Jeannette B. Peters, Michel M. Van Den Heuvel

A pattern of respiratory dysfunction in mild cases of post-COVID-19 athletes: an emerging hypothesis

Vasileios Stavrou (Larissa, Greece), Stylianos Boutlas, George Vavougiou, Kyriaki Astara, Ioannis Papaioannou, Eirini Papayianni, Vasileios Mitakos, Tournakopoulos Konstantinos, Kalabakas Konstantinos, Karagiannis Dimitrios, Daniil Zoe, Basdekis George, Gourgoulis Konstantinos

Late Breaking Abstract - Blood haemoglobin and pulse oximetry oxygen saturation measurement error

Dominick Shaw (Nottingham (Nottinghamshire), United Kingdom), Colin Crooks, Joe West, Joanne Morling, Mark Simmonds, Irene Juurlink, Steve Briggs, Simon Cruickshank, Susan Hammond-Pears, Timothy Card, Andrew Fogarty

Discussion

8N

Session

12:45 - 14:00

Oral presentation: Malignant pleural effusion and mesothelioma: diagnosis and optimal management**Disease(s) :** Thoracic oncology**Method(s) :** General respiratory patient care Cell and molecular biology Physiology Surgery Palliative care Endoscopy and interventional pulmonology Imaging Epidemiology Public health**Chairs :** Selina Tsim (Glasgow (Glasgow), United Kingdom), Chair to be confirmed**Anatomical and symptom changes in malignant pleural effusion using 4-Dimensional MRI**

Geesath Jayasekera (Glasgow (Glasgow), United Kingdom), Geoffrey Martin, Rosemary Woodward, John Foster, Selina Tsim, Kevin Blyth

Global trends in mesothelioma incidence, mortality and disability adjusted life years for the period 1990-2019

Erasmia Rouka (Larissa, Greece), Chrissi Hatzoglou, Konstantinos Gourgoulis, Sotirios Zarogiannis

External validation of a breath test for pleural mesothelioma

Eline Schillebeecx (Antwerpen, Belgium), Eline Janssens, Joris Van Cleemput, Veerle Surmont, Kristiaan Nackaerts, Elly Marcq, Jan Van Meerbeek, Kevin Lamote

Caring for indwelling pleural catheters: self-management vs district nursing care

Vineeth George (Oxford, United Kingdom), Nicky Russell, Anand Sundaralingam, Bavindra Kulendrajah, Eihab Bedawi, Radhika Banka, Mohammed Ellayeh, Robert Hallifax, Najib Rahman

Virtual review following indwelling pleural catheter (IPC) insertion

David McCracken (Newtownabbey, United Kingdom), Claire Bradley, Kathryn Kerr, Nicholas Magee

Malignant Pleural Mesothelioma in situ is a reality: how to handle this?

Federico Raveglia (Monza, Italy), Riccardo Orlandi, Francesca Bono, Piergiorgio Solli, Giuseppe Cardillo, Lidia Libretti, Antonio Tuoro, Enrico Mario Cassina, Edward Caruana, Marco Scarci

Analysis of patients with non-specific pleuritis from the International Collaborative Effusion (ICE) database: an ERS Clinical Research Collaboration

Anand Sundaralingam (Oxford, United Kingdom), Avinash Aujayeb, Karl A Jackson, Emilia I Pellas, Irfan I Khan, Muhammad T Chohan, Roos Joosten, Anton Boersma, Jordy Kerckhoff, Silvia Bielsa, Jose M Porcel, Ales Rozman, Mateja Marc-Malovrh, Hugh Welch, Jenny Symonds, Stavros Anevlavis, Marios Froudakis, Federico Mei, Francesco Porcarelli, Francesca Gonnelli, Inderdeep Dhaliwal, Michael A Mitchell, Katrine Fjaellegaard, Jesper K Petersen, Mohamed Ellayah, Eihab O Bedawi, Dinesh Addala, Najib M Rahman, Thomas Burden, Uffe Bodtger, Coenie Koegelenberg, Nick A Maskell, Julius Janssen, Rahul Bhatnagar

Defining a new diagnostic biomarker panel for malignant pleural mesothelioma using a novel proteomic technique

Eline Schillebeeckx (Antwerpen, Belgium), Esperanza Fernandez, Marnik Vuylsteke, Daria Fijalkowska, An Staes, Jan Van Meerbeek, Kris Gevaert, Kevin Lamote

Reflecting real-world patients in mesothelioma research: the pragmatic, multi-centre ASSESS-meso cohort

Ruairi J H Conway (Bristol, United Kingdom), Sonia Patole, Anna J Morley, Jenny Symonds, Deborah Walton, Emma Tucker, Charles Comins, Andrew Low, Janet Proberts, John E Harvey, William Cooper, Anthony Edey, Kevin G Blyth, Nick A Maskell, Anna C Bibby

Discussion**TP-5 Session 13:00 - 14:00****Thematic poster: Non-COVID-19: mechanical ventilation and beyond**

Disease(s) : [Airway diseases](#) [Respiratory critical care](#) [Interstitial lung diseases](#) [Pulmonary vascular diseases](#)

Method(s) : Surgery Respiratory intensive care General respiratory patient care Imaging Physiology Epidemiology Public health

Chairs : Ignacio Martin-Loeches (Dublin, Ireland), Nikoletta Rovina (Athens, Greece)

Corticosteroid for acute exacerbations of COPD in ICU. A French Cohort: OUTCOMEREA database.

Jean-Louis Pépin (Grenoble, France), Louis-Marie Galerneau, Sébastien Bailly, Nicolas Terzi, Stéphane Ruckly, Maité Garrouste-Orgeas, Yves Cohen, Vivien Hong Tuan Ha, Marc Gannier, Shidasp Siami, Claire Dupuis, Michael Darmon, Elie Azoulay, Jean-Marie Forel, Florian Sigaud, Christophe Adrie, Dany Goldgran-Toledano, Fabrice Bruneel, Etienne De Montmollin, Laurent Argaud, Jean Reignier, Jean-François Timsit

Management of Acute Exacerbations of COPD in the Intensive Care Unit: OUTCOMEREA Database 1997-2018

Jean-Louis Pépin (Grenoble, France), Louis-Marie Galerneau, Sébastien Bailly, Nicolas Terzi, Stéphane Ruckly, Maité Garrouste-Orgeas, Yves Cohen, Vivien Hong Tuan Ha, Marc Gannier, Shidasp Siami, Claire Dupuis, Michael Darmon, Elie Azoulay, Jean-Marie Forel, Florian Sigaud, Christophe Adrie, Dany Goldgran-Toledano, Fabrice Bruneel, Etienne De Montmollin, Laurent Argaud, Jean Reignier, Jean-François Timsit

Evaluation of aerosol drug delivery in a simulated adult asthma patient

Elena Fernández Fernández (Galway, Ireland), Marc Mac Giolla Eain, Mary Joyce, Ronan Macloughlin

The Prognostic significance of MELD-XI in Patients Admitted to the ICU for Respiratory Failure

Fatma Çiftci (Ankara, Turkey), Yağmur Gizem Kılıç, Aslıhan Gürün Kaya, Miraç Öz, Serhat Erol, Aydın Çiledağ, Akın Kaya

Parasternal EMG assessment in patients with severe Guillain-Barré Syndrome weaning from mechanical ventilation

Michael Cheng (Broadway (NSW), Australia), Anne Rossel, Amanda Piper, Patrick Murphy, Joerg Steier

Machine learning (ML) classifier models in ARDS to identify patients with a low percentage of potentially recruitable lung

Francesca Pennati (Milano (MI), Italy), Silvia Coppola, Andrea Aliverti, Davide Chiumello

Outcomes of patients with initial acute respiratory failure on veno-venous extracorporeal membrane oxygenation (ECMO) requiring additional circulatory support by VVA-ECMO

Benjamin Seeliger (Hannover, Germany), Rolf Erlebach, Lennart Wild, Ann-Kathrin Rath, Rea Andermatt, Daniel Hofmänner, Jens-Christian Schewe, Christoph Ganter, Christian Putensen, Christian Kühn, Johann Bauersachs, Tobias Welte, Marius M Hoepfer, Pedro David Wendel-Garcia, Sascha David, Christian Bode, Klaus Stahl

Impact of early ECMO support on survival of patients with Hantavirus cardiopulmonary syndrome in Chile.

Ricardo Fritz (Santiago, Chile), Francisco Arancibia Hernandez, Claudia Sepúlveda, Jorge Gavilán, Christian Espinoza, Edgardo Ossandon, Marcelo Concha, Sebastian Iturra

Safety of a prone implementation quality based initiative in a safety net hospital

Keely Johnson (Astoria, United States), Reiichiro Obata, Demetrios Papademetriou, Mohamed Darwish, Alfredo Astua

Predictive mortality factors of Diffuse Alveolar Hemorrhage: a retrospective study in Tunisia

amina abdelkbir (ben arous, Tunisia), Yosr Ayedi, Chahida Harizi, Afef Skhiri, Monia Attia, Radhouane Fakhfakh

Higher Crystalloids Volumes Predict Adverse Outcomes in Emergency Department Patients with Blunt Thoracic Trauma

Jacopo Davide Giamello (Busca, Italy), Gianpiero Martini, Paola Crida, Ylenia Arese, Luca Bertolaccini, Sara Abram, Elisa Basile, Emanuele Bernardi, Fabio Morra, Fabrizio Corsini, Francesco Tosello, Gabriele Sobrero, Giovanna Greco, Letizia Barutta, Marco Bironzo, Giuseppe Lauria

Spontaneous pneumothorax and factors associated with its development in a cohort of COVID-19 patients in Latin America

Luis Dulcey (Bucaramanga, Colombia), Raimondo Caltagirone, Juan Theran, Diana Villamizar, Melissa Aguas, Hector Moreno, Jonathan Pineda, Rafael Paraes

STUMBL score for emergency department safe discharge of patients with minor blunt thoracic trauma

Jacopo Davide Giamello (Busca, Italy), Gianpiero Martini, Davide Prato, Marco Santoro, Ylenia Arese, Luca Bertolaccini, Remo Melchio, Ceri Elisabeth Battle, Timothy Driscoll, Alessia Bono, Alessia Poggi, Alice Bruno, Andrea Falcetta, Andrea Sciolla, Chiara Fulcheri, Daniela Caruso, Giuseppe Lauria

Responder status and long term outcomes of critically ill patients with ARDS receiving high dose steroids as rescue therapy in a specialist acute respiratory failure centre

Thomas A Leahy (London, United Kingdom), Aneesha Chauhan, Victoria Nicholas, Pooja Patel, Joanna Alcada, Paolo Bianchi, Francisca Caetano, Sujal Desai, James Doyle, Phillip Molyneux, Stephane Ledot, Simon Padley, Anand Devaraj, Carole A Ridge, Bhavin Rawal, Maurizio Passariello, Susanna Price, Cliff Morgan, Maria Kokosi, Brijesh Patel, Athol Wells, Geoffrey Ball, Tina Xu, Abdullah Bashir, Christopher Remington, Suveer Singh

Impact of limbs pneumatic compression during cardiopulmonary resuscitation (CPR) on the survival of cardiac arrest patients

BoXue Han (Beijing, China), Jian Zhang, Ying Wang, Yanyang Zhao, Jianguo Zhao, Donghua Shen, Wei Wang, Zhitao Jin, Beifeng Zhang, Yongfei Liu, Jie Bai, Aier Wang, Guanghan Wu

Evaluation of pleural procedural confidence in intensive care trainees (EPIC)

Lillian Fitzpatrick (Tamworth, Australia), Claire Pickering, Kathryn Kerr, Vineeth George

Kinetics of serum chemerin in critically ill patients with sepsis: a prospective study

Irene Karampela (Athens, Greece), Gerasimos-Socrates Christodoulatos, Natalia Vallianou, Dimitrios Tsilingiris, Evangelia Chrysanthopoulou, George Skyllas, Georgios Antonakos, Ioanna Marinou, Evaggelos Vogiatzakis, Apostolos Armaganidis, Maria Dalamaga

Ventilator alarms that received no intervention: an analysis of ventilator alarm relationship in intensive care unit

Chang Yujen (Taichung City, Taiwan), Chi Shuhua, Hsiao Yaochuan

Technological innovation device "DYNAtraq" for the alignment and fixation of the tracheostomy cannula: Preliminary analysis of its efficacy and safety.

Mauricio A. Orozco-Levi (Barcelona, Spain), Diana Tiga-Loza, Mabel Reyes-Pulido, Carlos Reyes, Camilo Pizarro, Diana Rey, Angela Espitia, Angie Pabón, Magia Pérez-Silva, Sandra Sanabria, Neikel Quintero, Alba Ramírez-Sarmiento

Pneumothorax - a life-threatening complication in patients with cystic fibrosis

Oxana Munteanu (Chişinău (Chişinău), Republic of Moldova), Ludmila Balaneţchi, Eva Gudumac, Rodica Selevestru, Doina Ciolpan, Ana Goloborodico, Cristina Tomacinshi, Svetlana Sciuca

TP-20

Session

13:00 - 14:00

Thematic poster: Pleural and other respiratory infections**Disease(s) :** Airway diseases Respiratory critical care**Method(s) :** Imaging General respiratory patient care Endoscopy and interventional pulmonology Epidemiology Surgery Cell and molecular biology Pulmonary function testing**Chairs :** Monika Bratová (Brno 35, Czech Republic), Poppy Denniston (London, United Kingdom)**Microbiological analysis and empirical antibiotic preference in complicated pleural infections**

Seda Tural Önür (Istanbul, Turkey), Eminegül Yavuzsan, Fatma Tokgöz Akyil, Mustafa Vedat Dođru, Levent Cansever, Sedat Altın

The microbiology of adult pleural infection in an Egyptian hospital

Maged Hassan (Alexandria, Egypt), Mohamed Gadallah, Asmaa Elshazly, Basma El-Shaarawy, Ahmed Sadaka

Ambulatory management of bronchopleural fistulae secondary to empyema

Joanna Davy (Ipswich, United Kingdom), Po Tang, Mathew Burton

Nursing administration of Alteplase and Dornase Alfa in empyema

Hussun-Ara Shah (Newcastle upon Tyne, United Kingdom), Thomas Fretwell, Gemma Stiller, Sarah Bain

USE AND EFFECTIVENESS OF INTRAPLEURAL FIBRINOLYTICS IN COMPLICATED PARAPNEUMONIC EFFUSIONS AND EMPYEMAS

Fotios Sampsonas (Patra, Greece), Maria Lagadinou, Maria Mpouga, Ioannis Picliknski, Theodoros Karampitsakos, Ourania Papaioannou, Matthaios Katsaras, Panagiota Tsiri, Giorgos Tsirikos, Eirini Zarkadi, Vasilina Sotiropoulou, Argyrios Tzouvelekis

A feasibility randomised trial comparing therapeutic thoracentesis to chest tube insertion for the management of pleural infection: results from the ACTION trial.

David Arnold (Bristol (Avon), United Kingdom), Emma Tucker, Anna Morley, Alice Milne, Louise Stadon, Sonia Patole, George Nava, Steven Walker, Nick Maskell

Management and outcomes of patients with pleural empyema

Nesrin Kallel (Sfax, Tunisia), Molka Abdelkefi, Ahmed Dhia El Euch, Moustapha Hamoudi, Sourour Abid, Walid Feki, Samy Kammoun

Lung abscess is associated with COPD, use of sedatives and a high mortality: A retrospective cohort study

Søren Sperling (Aarhus N, Denmark), Jakob Kirkegaard Vaarst, Søren Sperling Haugen, Victor Næstholt Dahl, Andreas Fløe Hvass, Christian Borbjerg Laursen, Elisabeth Bendstrup

Lung hydatidosis treatment: which are the associated morbidity and mortality risk factors ?

Abdessalem Hentati (Sfax, Tunisia), Zied Chaari, Aymen Ben Ayed, Walid Abid, Imed Frikha

An unusual cause of infection in immunocompetent individuals: A case series

Hari Kishan Gonuguntla (SECUNDERABAD, India), Don Gregory Mascarenhas, Roshan Kumar, Preeti Vidyasagar, Sravani Reddy, Samia Syeda

Valaciclovir for Epstein-Barr virus suppression in Chronic Obstructive Pulmonary Disease: A Randomised Controlled Trial (EViSCO)

Dermot Linden (Belfast, United Kingdom), Hong Guo-Parke, Michael Mckelvey, Gisli Einarsson, Andrew Lee, Derek Fairley, Vanessa Brown, Danielle Logan, Christina Campbell, Dave Singh, Michael Tunney, Danny Mcauley, Cliff Taggart, Joe Kidney

Pulmonary hydatid disease: clinical and radiographic features

Alia Ezzaouia (Tunis, Tunisia), Ines Akrouf, Hela Hassene, Hela Kamoun, Yosra Bellil, Hend Ouertani, Hadhemi Rejeb, Dorra Greb, Hanene Smadhi, Hager Ben Abdelghaffar, Leila El Fekih, Mohamed Lamine Megdiche

Pulmonary infection characteristics leading to respiratory failure, a modelling approach.

Frédérique NOEL (Paris, France), Benjamin Mauroy

Tolerance and safety of inhaled hypertonic saline solutions in patients with chronic bronchial infection.

Diurbis Josefina Velasco Álvarez (Madrid, Spain), Diego Durán Barata, Rosa Nieto Royo, Raquel Morillo Guerrero, Aurora Solier López, Carlos Almonacid Sánchez, Esther Barbero Herranz, Beatriz Pintado Cort, Andrea Pérez Figuera, Luis Máiz Carro

The contribution of bronchoscopy in the diagnosis of pulmonary hydatid cyst

Zakaria Laklaai (casablanca, Morocco), Khadija Channoune, Nahid Zaghba, Hanane Benjelloune, Najiba Yassine

Human tularemia in Southern Germany: a case series

Marion Heiß-Neumann (Gauting, Germany), Marianne Vacca

Saccharomyces boulardii in the prevention of antibiotic-associated diarrhea in hospitalized adult patients with lower respiratory tract infections

Branislava Milenković (Beograd, Republic of Serbia), Ilija Andrijevic, Sanja Dimic Janjic, Senka Milutinovic Ilic, Ivan Kopitovic, Mihailo Stjepanovic, Ana Andrijevic, Jelena Jankovic, Svetlana Mitrovic

Bacterial biofilms predominate in both acute and chronic human lung infections

Mette Kolpen (Copenhagen, Denmark), Kasper Nørskov Kragh, Juan Barraza Enciso, Daniel Faurholt-Jepsen, Birgitte Lindegaard, Gertrud Baunbæk Egelund, Andreas Vestergaard Jensen, Pernille Ravn, Inger Hee Mabuza Mathiesen, Alexandra Gabriella Gheorghe, Frederik Boëtius Hertz, Tavs Qvist, Marvin Whiteley, Peter Østrup Jensen, Thomas Bjarnsholt

Pleuropneumonia caused by Nocardia cyriacigeorgica in a 14-year-old girl with PCD

Ruth Maria Urbantat (Berlin, Germany), Charlotte Pioch, Niklas Ziegahn, Miriam Stegemann, Mirjam Stahl, Marcus A. Mall, Jobst F. Röhmel

Integrated microbiome-mucus profiling in chronic obstructive pulmonary disease (COPD)

Oliver Ward Meldrum (Singapore, Singapore), Gavin C. Donaldson, Pei Yee Tiew, Huiying Xu, Jayanth Kumar Narayana, Fransiskus Xaverius Ivan, Tavleen Kaur Jaggi, Micheál Mac Aogáin, John Arputhan Abisheganaden, James P. Allinson, Sanjay H. Chotirmall, Jadwiga A. Wedzicha

TP-26

Session

13:00 - 14:00

Thematic poster: Thoracic ultrasound: from central airways to the chest wall

Disease(s) : Interstitial lung diseases Respiratory critical care Thoracic oncology Airway diseases

Method(s) : Endoscopy and interventional pulmonology Imaging Pulmonary function testing Respiratory intensive care Physiology
General respiratory patient care Public health

Chairs : Søren Helbo Skaarup (Aarhus C, Denmark), Konstantina Kontogianni (Heidelberg, Germany)

Chest ultrasound description of bullous emphysema and comparison to pneumothorax: a prospective multicentre study

Kinan El Hussein (Paris, France), Thomas Flament, Sophie Laroumagne, Mathilde Le Brun, Elise Noël-Savina, Philippe Richard, Damien Basille, Gilles Mangiapan, Elise Artaud-Macari

Focused lung ultrasound versus conventional chest x-ray for detection of pneumothorax following CT-guided transthoracic needle biopsy

Pia Iben Pietersen (Odense NØ, Denmark), Emma Katrine Jeppesen, Amanda Dandanell Juel, Christian Laursen, Ole Graumann

Ultrasound monitoring of pneumothorax after CT-guided transthoracic lung biopsy

Pia Iben Pietersen (Odense NØ, Denmark), Nina Everløff, Amanda Dandanell Juel, Christian Laursen, Ole Graumann

SEARCHING FOR A ROLE OF TRANSTHORACIC ULTRASOUND IN SEVERE ASTHMA

Carla Maria Irene Quarato (Foggia, Italy), Donato Lacedonia, Marco Sperandeo, Maria Giovanna Palumbo, Paolo Fuso, Marcello Stomaci, Giorgia Lepore, Annarita Depalo, Maria Pia Foschino Barbaro, Giulia Scioscia

M-mode obstruction index (MIO): an ultrasound method to evaluate presence and severity of airway obstruction in COPD patient

Elisa Riccardi (Massimo Visconti, Italy), Massimo Comune, Giovanni Ferrari, Alessandro Oliva, Paolo Righini, Valter Gallo, Carlotta Geninatti, Roberto Prota

Association of diaphragm thickness and echogenicity with age, sex and BMI in healthy subjects: a cross-sectional study

Jeroen van Doorn (Nijmegen, Netherlands), Juerd Wijntjes, Christiaan Saris, Coen Ottenheijm, Nens Van Alfen, Jonne Doorduyn

Ipsilateral and contralateral hemidiaphragm dynamics in symptomatic pleural effusion, the 2nd PLEural Effusion And Symptom Evaluation (PLEASE)-2 Study

Deirdre B Fitzgerald (Perth, Australia), Sanjeevan Muruganandan, Carolyn J Mcintyre, Y C Gary Lee, Bhajan Singh

Diaphragm ultrasound in spondyloarthritis: assessment of diaphragmatic motion and respiratory function

Islam Mejri Ep Ajili (Hammamlif Ben Arous, Tunisia), Abir Dghaies, Rim Dhahri, Samira Mhamdi, Selsabil Daboussi, Chiraz Aichaouia, Imen Gharsallah, Zied Moatemri

USEFULNESS OF DIAPHRAGM ECOINTENSITY FOR THE MANAGEMENT OF PATIENTS WITH AMYOTROPHIC LATERAL SCLEROSIS

Santos Ferrer Espinosa (Valencia, Spain), Alba Mulet Arabi, Jesús Sancho Chinesta, Lucía Fdez-Presa, Jaime Signes-Costa Miñana

Prediction of extubation failure via diaphragmatic ultrasonography among mechanically ventilated adult patients admitted in intensive care unit of a tertiary care hospital, Karachi, Pakistan: a prospective cohort

Maria Khan (Karachi, Pakistan), Maryam Lakhdir, Hashir Majid, Iqbal Azam, Ghufan Adnan, Masood Kadir

Usefulness of diaphragmatic ultrasound as a prognosis predictor in a Intermediate Respiratory Care Unit in COVID-19 patients

Tomas Villen (Madrid, Spain), Esther Barbero, Miguel Lorente, José Terán, Pedro Landete

The role of Trans-thoracic ultrasonography for rapid detection of Covid-19 pandemic-pneumonia(262cases)?

Abdul Rasheed Qureshi (Lahore, Pakistan), Huma Bilal

Title Lung ultrasound vs. CT scan for the assessment of post-ICU long COVID

Silvia Bonaiti (Pavia, Italy), Chandra Bortolotto, Giulia Salve, Maria Antonietta Forte, Caterina Sonati, Martina Moscardello, Giulia Ceschin, Antonella Donatelli, Alice Lionetti, Anita Orlando, Lorenzo Preda, Francesco Mojoli, Silvia Mongodi

Lung Ultrasound (LUS) To Predict The Risk Of Hospitalization In COVID-19 Patients Treated With Anti-SARS-CoV-2 Monoclonal Antibodies

Valentina Pinelli (Sarzana, Italy), Federica Novelli, Puppo Gianfranco, Meazza Massimiliano, Stefania Artioli

Segmental lung anatomy for ultrasound assessment for post-COVID conditions

Rostyslav Bubnov (Kyiv, Ukraine), Anatoliy Serhienko, Zbigniew Pilecki, Grzegorz Pilecki

Pseudo-anthropomorphic phantom for ultrasound-guided thoracic interventions

Ana Belén Llanos Gonzalez (La Orotava, Spain), Natalia Arteaga-Marrero, Enrique Villa, Marta Elena Gómez Gil, Orlando Acosta Fernández, Juan Bautista Ruiz-Alzola, Javier González-Fernández

Physician-led ultrasound interventions: Rapid diagnosis of lung cancer during the COVID-19 pandemic

Kerri-Marie Heenan (Dungannon, United Kingdom), Laura Davidson, Therese Scullion, Eddie Gibson, Rory Kelly, Kelly Elliot, Graeme O'Hara, Jackie Jamison, Izhaq Masih

Ultrasound guided neck node aspiration (FNAC) by pulmonologist in patients with lung cancer

Eman Nasr (Manchester (Greater Manchester), United Kingdom), Kashif Ali Khan, Simon Bailey, David Shelton

Ultrasound-guided needle aspiration biopsy of anterior mediastinal masses in the hands of pulmonologists

Marta Viscuso (Roma, Italy), Guido Levi, Vanina Livi, Daniela Paioli, Luca Richeldi, Rocco Trisolini, Giampietro Marchetti

Ultrasound guided(USG) trucut biopsy of the pleura, lymph nodes and chest wall/subcutaneous lesions performed by respiratory physicians

Qaiser Abdullah (Stoke on trent, United Kingdom), Sana Iftikhar, Ahmed Abimusa, Muhammad Ganaie, Shahul Khan, Mohammed Haris

TP-23

Session

13:00 - 14:00

Thematic poster: Comorbidities and symptoms in interstitial lung diseases think out of the box**Disease(s) :** Interstitial lung diseases Sleep and breathing disorders Thoracic oncology Pulmonary vascular diseases**Method(s) :** General respiratory patient care Epidemiology Public health Physiology Pulmonary function testing Surgery Palliative care Pulmonary rehabilitation Transplantation Imaging**Chairs :** Laurens De Sadeleer (Leuven, Belgium), Sabina A. Guler (Bern, Switzerland)**Clinical and biological impact of respiratory sleep disorders in IPF**

Jaume Bordas Martinez (barcelona, Spain), Neus Salord, Vanesa Vicens Zygmunt, Rosana Blavia Aloy, Sandra Pérez Ramos, Eliseo Prado Gala, María D. Calvo Sánchez, Guadalupe Bermudo, Jesús Ríos Martín, Salud Santos, María Molina-Molina*, Carmen Monasterio*

Development of scoring system for the prediction of pulmonary complications following curative resection in lung cancer with idiopathic pulmonary

Hongseok Yoo (Seoul, Republic of Korea), Yunjoo Im, Man Pyo Chung

Nintedanib in patients with progressive fibrosing ILDs in subgroups by comorbidity burden

Elisabeth Bendstrup (Aarhus N, Denmark), Teng Moua, Masaki Okamoto, Sara Tomassetti, Claudia Valenzuela, Wim A Wuyts, Corinna Miede, Dirk Lievens, Francesco Bonella

Idiopathic pulmonary fibrosis and palliative care: a qualitative exploration of nurses' experiences.

Grace O'Sullivan (Cork, Ireland), Chanel Watson, Bridget Murray

Triggers and impact of chronic cough in interstitial lung disease

Barnaby Hirons (London, United Kingdom), Katie Rhatigan, Harini Kesavan, Louise Wright, Emma Pelling, Peter S P Cho, Surinder S Biring

Neurocognitive impairment in patients with idiopathic pulmonary fibrosis

Ana Milenković (Novi Sad, Republic of Serbia), Jovan Javorac, Dejan Živanović, Miroslav Ilić, Nevena Savić, Miloš Cvetković

Impact of weight loss on outcomes in patients with progressive fibrosing interstitial lung diseases (ILDs)

Michael Kreuter (Heidelberg, Germany), Elisabeth Bendstrup, Toby M Maher, Yoshikazu Inoue, Corinna Miede, Dirk Lievens, Bruno Crestani

Effects of influenza vaccination in patients with interstitial lung diseases: an epidemiological claims data analysis

Michael Kreuter (Heidelberg, Germany), Pavo Marijic, Larissa Schwarzkopf, Werner Maier, Franziska Trudzinski, Lars Schwettmann

Patients' perceptions of interstitial lung disease (ILD)

Vijay Joshi (Edgware (Middlesex), United Kingdom), Arisa Reka, Lizan Drummonds

“The will to live!” The perceptions of patients with idiopathic pulmonary fibrosis (IPF) in relation to antifibrotic treatment: a qualitative study

Eliane Viana Mancuzo (Belo Horizonte (MG), Brazil), Liliane Neto Generoso, Tais Mancuzo De Freitas, Marcella Guimaraes Assis

Oesophageal Dysmotility: Does it Play a Role in Interstitial Lung Diseases?

Dominic Sykes (Hull, United Kingdom), Simon P Hart, Michael G Crooks, Warren Jackson, John Gallagher, Alyn H Morice

Non-tuberculous mycobacterial pulmonary disease in patients with idiopathic pulmonary fibrosis

Jin-Young Huh (, Republic of Korea), Kyung-Wook Jo, Tae Sun Shim, Jin Woo Song

Deterioration of 6-minute walk distance in Idiopathic pleuroparenchymal fibroelastosis is not related to the disease entity

Satoru Ebihara (Tokyo, Japan), Naofumi Sato, Takae Ebihara

Psychological assessment and intervention in IPF patients

Leonardo Rovere (Milano, Italy), Stefania Pozzi, Emanuela De Juli, Sabrina Agostina Amatucci, Giorgio Ziglio, Paolo Tarsia, Umberto Mazza

Impact of intrathoracic pressure in the assessment of central pulmonary pressures in COPD and ILD candidates for lung transplantation.

Juan Grignola (Montevideo, Uruguay), Alvaro Calabuig, Carlos Bravo, Pedro Trujillo, Manuel López-Messeguer, Enric Domingo

Interstitial Lung Disease: The Forgotten Patient

Heidi Prior (greater manchester, United Kingdom), Hashim Hameed, Alison Unsworth, Adele Watmough, Abdul Ashish

A Comparison of Survival in IPF, Emphysema and CPFE Syndrome

Christopher C. Huntley (Bromsgrove, United Kingdom), Michael N. Armitage, Pathrabali Mitra, Maximillian Thomas, P. Sherwood Burge, Gareth I. Walters, Alice M. Turner

Loss of muscle mass in Idiopathic Pulmonary Fibrosis

Nicol Bernardinello (Trecenta (RO), Italy), Simone Petrarulo, Giulia Grisostomi, Antonella Modugno, Sofia Bertin, Dylan Pasin, Elisabetta Cocconcelli, Paolo Spagnolo, Chiara Giraud, Elisabetta Balestro

Late Breaking Abstract - Association between the Use of Statins and Incidence of Interstitial Lung Disease/Idiopathic Pulmonary Fibrosis: A Cohort Study

Won-Il Choi (Goyang-si, Republic of Korea), Gjustina Loloci, Dong Yoon Lee, Jihyeon Jeong

Late Breaking Abstract - The interstitial lung disease (ILD) patient journey in Brazil

Adalberto Sperb Rubin (Porto Alegre (RS), Brazil), Licia Mota, Rodrigo Scabello, Carla Cruz, Henrique Silva

TP-8 Session 13:00 - 14:00**Thematic poster: Diagnostic modalities for sleep disordered breathing****Disease(s) :** Airway diseases Respiratory critical care Sleep and breathing disorders Interstitial lung diseases**Method(s) :** Physiology Public health General respiratory patient care Epidemiology**Chairs :** Athanasia Pataka (Thessaloniki, Greece), Matteo Bradicich (Zollikerberg, Switzerland)**Diagnostic utility of the modified Berlin Questionnaire vs Berlin Questionnaire for the diagnosis of obstructive sleep apnoea in adults with a history of COVID-19 infection**

Yeliz Çelik (İstanbul, Turkey), Yüksel Peker

Gender gap of NOSAS score in patients with suspected OSA.Jone Solorzano Egurbide (bilbao, Spain), Imanol González Muñoz, Edurne Echevarría Guerrero, M^a Luz Zaldibar Barinaga, Yolanda Rey Fernandez, Beatriz González Quero, Laura Cancelo Díaz, Sonia Castro Quintas, Amaia Urrutia Gajate, Valentín Cabriada Nuño**Validation of NoSAS score for screening of sleep disordered breathing (SDB) in our patients with suspected OSA**

Sonia Castro Quintas (Bilbao (Bizkaia), Spain), Amaia Urrutia Gajate, Jone Solorzano Egurbide, Elena Garay Llorente, Beatriz Gonzalez Quero, Joseba Andia Iturrate, Valentin Cabriada Nuño

Comparison of two questionnaires for screening obstructive sleep apnea syndrome in the elderly.

syrine Abdellatif (Marsa, Tunisia), Ferdaous Yanguui, Chaima Baya, Hela Cherif, Mrassi Hana, Mariem Triki, Mohamed Ridha Charfi

Diagnostic accuracy of different tools for OSA: with reference to level I PSG

Abhishek Goyal (Bhopal, India), Abhijit Pakhare, Ankur Joshi

Assessment of Obstructive sleep apnea among Iraqi people in 2019 by using (STOP – BANG) model

Hashim Talib Hashim (Nassiryah, Iraq)

Prevalence and determinants of sleep apnea in the French general population

Pauline BALAGNY (Paris, France), Emmanuel Wiernik, Adeline Renuy, Johane Matta, Justine Frija-Masson, Philippe Gabriel Steg, Céline Ribet, Marcel Goldberg, Emmanuelle Vidal-Petiot, Marie Zins, Marie-Pia D'Ortho

Machine learning and geometric morphometrics to predict obstructive sleep apnoea from 3D craniofacial scans

Raoua Ben Messaoud (Grenoble, France), Fabrice Monna, Nicolas Navarro, Sébastien Baillieux, Lionel Sanchez, Corinne Loidice, Renaud Tamisier, Marie Joyeux Faure, Jean Louis Pepin

Gender equity: AASM scoring criteria for OSA diagnosis

Kate Cole (San Diego, United States), R. Benjamin Dexter, Atul Malhotra, Peter A. Cistulli, Alison Wimms, Will McConnell, Kimberly L. Sterling, Jean Louis Pepin

Type III sleep test at home versus Type I polysomnography in the laboratory before bariatric surgery

Luc Groshaeny (Saint Croix en Plaine, France), Emmanuel Gomez, Mathilde Oranger, Pierre Thore, Julien Soler, Anne Guillaumot, Simon Valentin, Delphine Sayen, Didier Quillot, Nicolas Reibel, François Chabot, Ari Chaouat

Peripheral arterial tonometry versus polysomnography in suspected obstructive sleep apnea

Jonathan Röcken (Basel, Switzerland), Desiree M. Schumann, Matthias Herrmann, Léo Franchetti, Leticia Grize, Werner Strobel, Michael Tamm, Daiana Stolz

Comparative study between Nox Body Sleep algorithm (NBS) and the manual scoring (MS) of respiratory polygraphs (RP)

Imanol Gonzalez Muñoz (Barakaldo, Spain), Jone Solorzano Egurbide, Laura Cortezon Garces, Nerea Ortiz Laza, Cristina Valverde Novillo, Sonia Castro Quintas, Amaia Urrutia Gajate, Beatriz Gonzalez Quero, Valentin Cabriada Nuño

Comparison of AI-driven scoring with manual scoring of lab-based polysomnography data

Christian Gysin (St. Gallen, Switzerland), Florent Baty, Franziska Schmidli, Kathrin Schaerz, Otto Schoch, Martin Brutsche

“My Fitbit tells me I don’t sleep”

Maitri Munsif (Melbourne, Australia), Ria Jumabhoy, Kanishka Rangamuwa, Darren Mansfield, Sean Drummond, Eli Dabscheck

In what position do people sleep in the sleep laboratory?

Christiaan Yu (Clayton, Australia), Renel Cuesta, Eldho Paul, Teanau Roebuck, Belinda Miller

Positional Obstructive Sleep Apnea: A Mild and Male Predominant Phenotype

Ömer Selim Unat (Izmir, Turkey), Mehmet Sezai Tasbakan, Ozen Kacmaz Basoglu

Geographical and Seasonal Impact on snoring prevalence - A study based on Internet search frequencies

Inês Silva e Costa De Castro Barreto (Lisboa, Portugal), Cátia Pereira, Mónica Pereira, Cristina Bárbara, Paula Pinto, Richard Staats

Validation of ambulatory blood pressure monitoring and pulse transit time

Katuska Herminia Liendo Martinez (madrid, Spain), Daniel López-Padilla, Javier De Miguel Díez, Felipe Villar Alvarez, Teresa Gomez Garcia

Late Breaking Abstract - Trajectories of CPAP termination and resumption: a French nationwide database analysis

Jean-Louis Pépin (Grenoble, France), Renaud Tamisier, Adam Benjafield, Pierre Rinder, Florent Lavergne, Anne Josseran, Paul Sinel-Boucher, Peter Cistulli, Atul Malhotra, Pierre Hornus, Sebastien Bailly

Late Breaking Abstract - Tobacco smoke exposure and sleep duration among U.S. adolescents

Ashley L. Merianos (Cincinnati, United States), Timothy Stone, E. Melinda Mahabee-Gittens, Roman A. Jandarov, Kelvin Choi

TP-14

Session

13:00 - 14:00

Thematic poster: Tobacco and nicotine: where are we after the pandemic

Disease(s) : Pulmonary vascular diseases Airway diseases Thoracic oncology

Method(s) : Epidemiology Public health Cell and molecular biology General respiratory patient care Imaging Pulmonary function testing

Chairs : Asl Görek Dilekta 1 (Bursa, Turkey), Chair to be confirmed

Paternal pre-pubertal tobacco smoking and offspring DNA methylation

Negusse Kitaba (Southampton, United Kingdom), Toril Knudsen, Ane Johannessen, Faisal Rezwani, Andrei Malinowski, Anna Oudin, Bryndis Benediktsson, David Martino, Francisco Callejas González, Leopoldo Gómez, Mathias Holm, Oskar Jögi, Shyamali Shyamali Dharmage, Svein Skulstad, Francisco Gómez-Real, Vivi Schlünssen, Cecilie Svanes, John Holloway

Cannabis smokers among lung cancer patients: data from real-life French study

Olivier Molinier (Le Mans, France), Dorine Templement, Sébastien Couraud, Stéphanie Dehette, Pierre-Alexandre Hauss, Marjorie Picaud, Anne-Sophie Bravard, Hervé Le Floch, Magalie Paysse, Patrick Dumont, Laurent Mosser, Christian Delafosse, Cécile Maincent, Joëlle Courdeau-Labourie, Jérôme Virally, Anne-Sophie Blanchet-Legens, Florence Lamotte, Alexa Mairovitz, Vincent Tack, Alexia Letierce, Didier Debievre

Tobacco smoking and severity of COVID-19: Experience from ICU department in a referral hospital during the third pandemic wave

Stamatoula Tsirikika (Athens, Greece), Sylvia Raftopoulou, Vasiliki Nanou, Sotiris Kakavas, Aikaterini Tzagkaraki, Sofia Pouriki, Panagiotis Nikolopoulos, Marina Asmanidou, Theoni Agapitou, Ioannis Nikolopoulos

COVID-19 and smoking: Worst complications and outcome

Gholamreza Heydari (Tehran, Islamic Republic of Iran)

Smoking habits during the COVID pandemic: data from Greek healthcare professionals' population.

Athanasia Pataka (Thessaloniki, Greece), Asterios Tzinias, Seraphim Kotoulas, Evdokia Sourla, Évangélos Chatzopoulos, Ioanna Grigoriou, Katalin Fekete, Paraskevi Argyropoulou

What is the main driver of tobacco survey participation in medical schools? A national cross-sectional study in Portugal

Sofia Belo Ravara (Covilhã, Portugal), Inês Sofia Pontes Clemente, Hilson Cunha Filho, Pedro Aguiar, Jorge Bonito

Trend of smuggled cigarette consumption in Tehran in the last two decades

Gholamreza Heydari (Tehran, Islamic Republic of Iran), Luk Joossens

Medical trainees' knowledge and attitudes towards electronic cigarettes and Hookah

Luiza Helena Degani-Costa (São Paulo, Brazil), Fernando P Bruno, Fernanda Gushken, Claudia Szejf, João Roberto Resende Fernandes, Ana B P Tokeshi, Yasmin F Tehrani, Daniel Kaufman, Kandipudi K Lakshmi Prasad, Limalemla Jamir, Pentapati S S Kumar, Morag G Ryan, Matthew G K Benesch, Hardeep S Lotay, Jonathan P Fuld, Thiago M Fidalgo

Long-term outcomes of a tertiary care university affiliated hospital's smoking cessation outpatient clinic: Experience from the Eastern Black Sea Region of Turkey

Dilek Karadoğan (Rize, Turkey), Semih Altunsoy, Tahsin Gökhan Telatar, Ünal Şahin

Electronic opt-out smoking cessation proforma results in high levels of engagement among emergency surgical admissions

Fred Fyles (Liverpool, United Kingdom), Steven Coulson, Kate Maitland, Patricia Rodrigues, Gareth Jones

Curcumenting the Menthol Ban: Internet sales of menthol balls

Elif Dagli (Istanbul, Turkey), Ummuhan Pece Sonmez, Murat Guner, Osman Elbek, Pinar Ay, Fusun Yildiz, Tanzer Gezer, Murat Ceyhan

Effect of gender and age on the perception of cigarettes flavour intensity

Efthimios Zervas (Patra, Greece), Niki Matsouki, Emmanuel Konstandinidis, Chara Tsipa

New Product at Point of Sales : Menthol ball

Elif Dagli (Istanbul, Turkey), Ummuhan Pece, Murat Guner, Fusun Yildiz, Osman Elbek, Pinar Ay, Tanzer Gezer, Murat Ceyhan

The effects of the pandemic on smoking behaviors of smokers in a border region where easy access to low price tobacco products available

Dilek Karadoğan (Rize, Turkey), Tahsin Gökhan Telatar

E-cigarettes in Ireland – prevalence, motivations, and relationship with tobacco

Luke J. Clancy (Dublin 8, Ireland), Joan Hanafin, Salome Sunday

Physicians self-reported barriers on smoking cessation brief intervention: a cross-sectional study in Portugal

Sofia Belo Ravara (Covilhã, Portugal), Susana Amorim, Hilson Cunha-Filho, Pedro Aguiar

Point of sales: Playground of the tobacco industry

Elif Dagli (Istanbul, Turkey), Ummuhan Pece Sonmez, Murat Guner, Osman Elbek, Fusun Yildiz, Pinar Ay, Tanzer Gezer, Murat Ceyhan

Late Breaking Abstract - An estimate of the global COPD prevalence in 2050: Disparities by income and gender
Elroy Boers (Vaudreuil-Dorion, Canada), Meredith Barrett, Vy Vuong, Adam Benjafield, Jason Su, Leanne Kaye, Daniela Tellez, Carlos Nunez, Atul Malhotra

Late Breaking Abstract - E-cigarette use and lung function: preliminary results from the VapeScan Study
Elizabeth Oelsner (New York, United States), Enoch Jiang, Nicole Vieira Pires, Diane Hawkins, Dona Sangapalaarachchi, Vesna Ilievski, Nancy Loiacono, Ana Navas Acien

Late Breaking Abstract - Quantitative CT emphysema subtypes and pulmonary blood volume on dual-energy CT: The MESA Lung Study
Emilia Hermann (NEW YORK, United States), Amin Motahari, Eric Hoffman, Norrina Allen, Elsa Angelini, Alain Bertoni, David Bluemke, Ali Eskandari, Sarah Gerard, Junfeng Guo, David Kaczka, Andrew Laine, Erin Michos, Prashant Nagpal, Jim Pankow, Sanjiv Shah, Karen Stukovsky, Karol Watson, R. Graham Barr

TP-2 **Session** **13:00 - 14:00**

Thematic poster: Clinical problems in pleural and respiratory muscle disorders

Disease(s) : Thoracic oncology Airway diseases Interstitial lung diseases Respiratory critical care Sleep and breathing disorders

Method(s) : General respiratory patient care Surgery Epidemiology Imaging Physiology Pulmonary rehabilitation Pulmonary function testing Cell and molecular biology Public health Respiratory intensive care Endoscopy and interventional pulmonology

Chairs : Anne Orholm Nielsen (Roskilde, Denmark), Shailesh Balasaheb Kolekar (Herlev, Denmark)

Pacemaker insertion and pneumothorax: experience from a UK district general hospital
Avinash Aujayeb (Newcastle, United Kingdom), Karl Jackson

An analysis of 'errors' in pleural medicine over 5 years from a UK district general hospital
Avinash Aujayeb (Newcastle, United Kingdom)

Day case thoracoscopy in a UK district general hospital
Karl Jackson (Newcastle Upon Tyne, United Kingdom), Avinash Aujayeb

Blood pleurodesis- A UK wide survey and call for collaboration
Avinash Aujayeb (Newcastle, United Kingdom)

Birt-Hogg-Dubé (BHD) syndrome in patients with spontaneous pneumothorax (SP). Preliminary result shows high prevalence of BHD in SP patients.
Bart P.C. Hoppe (Leiden, Netherlands), Duco Schippers, Willemien Thijs, Franz M.N.H. Schramel, Sietske A. Smulders, Jan Willem K. Van Den Berg, Wouter J. Blox, Hans J.M Smit, Marlous Nagtegaal, Lucia Kroft, Laurant Stoger, Frank Baas, Christi Van Asperen, Cintha Klop, Pieter E. Postmus

Pneumatocele as rare thoracic complication after recovering COVID-19 pneumonitis- a case series including literature review.
Katarzyna Zimna (Warszawa, Poland), Małgorzata Sobiecka, Katarzyna Lewandowska, Ewa Łyżwa, Dorota Wyrostkiewicz, Monika Szturmowicz, Kazimierz Roszkowski-Sliż, Katarzyna Błasińska, Lilia Jakubowska, Witold Tomkowski

Observation of traumatic haemo-pneumothorax
Avinash Aujayeb (Newcastle, United Kingdom)

Clamping vs non-clamping strategies prior to removal of ICD for spontaneous pneumothorax.
Arshiya Mastan (Manchester, United Kingdom), Aqem Azam, Patrick Bradley, Claire Baker, Ijaz Mohammed, Jennifer Nixon

Decellularised pleural membranes in pulmonary regenerative medicine
Trisha Vikranth (Stone, United Kingdom), Tina Dale, Nicholas Forsyth

Prevalence of pleural effusion in dengue: systematic review and meta-analysis
Molly D. Kaagaard (Copenhagen, Denmark), Luan Oliveira Matos, Marliton V. P. Evangelista, Alma Wegener, Karine O. Lima, Anna Engell Holm, Lasse S. Vestergaard, Suiane C. N. Do Valle, Rodrigo M. De Souza, Flavia Barreto Dos Santos, Tor Biering-Sørensen, Odilson M. Silvestre, Philip Brainin

Pulmonary infarct in post COVID-19 period, complicated with spontaneous pneumothorax – case report.
Ivan Novakov (Plovdiv, Bulgaria), Plamena Novakova

Pneumothorax following cardiac device insertion: experience at a tertiary centre in the United Kingdom
Shiva Bikmalla (Stoke-on-Trent (Staffordshire), United Kingdom), Nishita Padmanabhan, Muhammad Tariq, Mohammed Hussain, Adil Mohammed, Muhammad Shakoor, Hussain Ebrahim

Management of pneumothoraces cases in a district general hospital in London
Ranu Baral (London, United Kingdom), Kar Mun Ang, Sivanantham Sasikumar

Trajectory of dyspnoea in patients with unilateral pleural effusion following thoracentesis.

Katrine Fjællegaard (Farum, Denmark), Jesper Koefod Petersen, Paul Frost Clementsen, Christian B. Laursen, Rahul Bhatnagar, Uffe Bodtger

Cardioprotective medication in Duchenne muscular dystrophy: a single-centre cohort study

Janneta Kisel (London, United Kingdom), Emily Ballard, Suh Eui-Sik, Nicholas Hart, Shelley Srivastava, Patrick Murphy, Philip Marino, Stam Kapetanakis, Joerg Steier

Predictors for outcome of intervention for spontaneous pneumothorax

Andreas Thelle (Bergen, Norway), Miriam Gjerdevik, Rune Nielsen, Per Bakke

Impact of drug addiction on the outcome of pneumothorax

Emna Benjemia (Tunis, Tunisia), Khoulood Chaabi, Yosr Ben Attig, Nourchene Khalfallah, Jihene Ben Amar, Med Sadok Boudaya, Zaibi Haifa, Hichem Aouina

Respiratory muscle dysfunction in patients with nemaline myopathy

Esmee van Kleef (Nijmegen, Netherlands), Jeroen Van Doorn, Michael Gaytant, Willemien De Weerd, Bettine Vosse, Carina Wallgren-Pettersson, Baziel Van Engelen, Coen Ottenheijm, Nicol Voermans, Jonne Doorduyn

Association between aberrant biochemical indicators levels and respiratory muscledysfunction in patients with amyotrophic lateral sclerosis (ALS). Preliminary data.

Grazia Crescimanno (Palermo (PA), Italy), Manuela Bertini, Francesca Milone, Oreste Marrone

Optimizing invasive ventilation for SMA type 1 children who are receiving the gene therapy

Rania Abusamra (Dubai, United Arab Emirates), Omi Narayan, Mohammad Alajjuri, Vivek Mundada

TP-21

Session

13:00 - 14:00

Thematic poster: Vaccination

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Public health Epidemiology Cell and molecular biology Respiratory intensive care Physiology Endoscopy and interventional pulmonology Imaging

Chairs : Eric Mortensen (Simsbury, United States), Laura Fregonese (London, United Kingdom)

COVID-19: Vaccinated versus unvaccinated or not fully vaccinated patients

Antonia Dugalaki (Athens, Greece), Georgios Hillas, Sofia Koukidou, Aikaterini-Ioanna Sakellaropoulou, Chrysavgi Kosti, Serafeim Chrysikos, Katerina Dimakou

Clinical characteristics and respiratory care of hospitalized patients according to vaccination status of COVID 19

Miguel Suarez Ortiz (Madrid, Spain), Jose Rafael Teran Tinedo, Miguel Lorente Gonzalez, Daniel Laorden Escudero, Annette Zevallos Villegas, Eduardo Cano Sanz, Maria Angeles Ortega Fraile, Joaquin Hernandez Nuñez, Maria Elena Saiz Lou, Pedro Landete Rodriguez

Determinants of antibody responses to primary courses and booster doses of SARS-CoV-2 vaccines in 9,101 UK adults

Adrian R Martineau (London, United Kingdom), David A Jolliffe, Sian E Faustini, Hayley Holt, Mohammad Talaci, Giulia Vivaldi, Alex G Richter, Seif O Shaheen

Effectiveness of the pneumococcal polysaccharide and conjugated vaccines in elderly and high-risk populations in preventing invasive pneumococcal disease: A systematic search and review of the literature

Melina Sikjær (Egå, Denmark), Mari Stenvold Wik, Synne Smith Stensholt, Ole Hilberg, Anedrs Løkke

Vaccine efficacy in severe COVID-19 patients before and after the Delta variant endemic

Masamichi Mineshita (Kawasaki (Kanagawa), Japan), Kazuhiro Nishiyama, Satoshi Tanaka, Yusuke Shinozaki, Junko Shibuya, Hajime Tsuruoka, Kouhei Kinoshita, Shin Matsuzawa, Shinya Azagami, Hiromi Muraoka, Atsuko Ishida, Kei Morikawa, Hirotaka Kida, Hiroshi Handa, Hiroki Nishine, Takeo Inoue

Immunogenicity and clinical effectiveness of the SINOVA C vaccine in patients older than 70 years

Angela María Giraldo Montoya (Pereira, Colombia), Giovanni García Castro

Long-term efficacy of an inactivated whole particle H5N1 virus against H5N1 highly pathogenic avian influenza virus challenge in cynomolgus monkeys

Misako Nakayama (Otsu, Japan), Hirohito Ishigaki, Nguyen Thanh Cong, Saori Suzuki, Hideaki Ishida, Naoko Kitagawa, Kazumasa Ogasawara, Yasushi Itoh

Evaluating pneumococcal vaccine's effectiveness against pneumonia among adults over 50 years in Catalonia, 2017-2018.

cinta de diego cabanes (Tarragona, Spain), Angel Vila-Corcoles, Eva Satué-Gracia, Olga Ochoa-Gondar, Angel Vila-Rovira, M José Forcadell-Peris

Messenger RNA COVID-19 vaccine: What side effects?

Nidhal Belloumi (la soukra, Tunisia), Wiem Ayed, Dorra Brahim, Wala Haouari, Najla Mechergui, Ghada Bahri, Nizar Ladhari, Imen Youssef

Experimental Human Pneumococcal Challenge can be performed safely and is associated with low rates of rescue antibiotic use in healthy adults

Ryan Robinson (Liverpool, United Kingdom), Chris Myerscough, Helen Hill, Wendi Shephard, Konstantinos Liatsikos, Samuel Latham, Fred Fyles, Klara Doherty, Fathimath Shiham, Daniella Mclenghan, Angela Hyder-Wright, Elena Mitsi, Hassan Burhan, Ben Morton, Stephen Gordon, Andrea Collins, Daniela Ferreira

Reasons for reluctance to covid-19 vaccination among health care workers

Nidhal Belloumi (la soukra, Tunisia), Siwar Chemingui, Najla Mechergui, Mariem Mersni, Dorra Brahim, Hend Belhouen, Nizar Ladhari, Imen Youssef

Efficacy of corona virus disease 2019 vaccines on oxygen demand, intensive care unit administration and mortality: a single centre retrospective study

Havva Yeşildağlı (Nicosia, Cyprus), Birdal Cihangir, Belin Kamiloğlu

Attitudes of the health personnel of the Hassan II hospital in Agadir towards the 3rd dose of the vaccine anti-covid-19

Aboubekr Imzil (Agadir, Morocco), Houda Moubachir, Hind Serhane

Evaluation of lung immune response to the BNT162b2 COVID-19 vaccine

Dan Padawer (Jerusalem, Israel), Miri Stolovich-Rain, Maria Billan, Neville Berkman, Alexander Rouvinski

Clinical outcomes in vaccinated and unvaccinated patients with COVID-19: a population-based analysis

Oourania Papaioannou (Patras, Greece), Theodoros Karampitsakos, Panagiota Tsiri, Vasilina Sotiropoulou, Electra Koulousousa, Panagiotis Tasiopoulos, Charikleia Chourpiliadi, Apostolos Matsioulas, Matthaïos Katsaras, Eirini Zarkadi, Georgios Tsirikos, Eva Theochari, Elli Malakounidou, Vasiliki Georgiopoulou, Dionysios Papalexatos, Fotios Sampsonas, Argyrios Tzouvelekis

Personalized predictions of adverse side effects to the COVID-19 vaccines

Nahal Mansouri (Lausanne, Switzerland), Elham Jamshidi, Amirhossein Asgari

Factors affecting vaccine acceptance and uptake among COPD patients.

Janos Tamas Varga (Budapest, Hungary), Monika Fekete, Zsafia Szarvas, Vince Fazekas-Pongor, Andrea Lehoczki

Breakthrough infections with SARS-CoV-2 B.1.617.2 variant B.1.617.2 and humoral response in vaccinated maintenance hemodialysis patients

Ori Wand (Kfar Sava, Israel), Naomi Nacasch, Sydney Benchetrit, Keren Cohen-Hagai

Assessment of Predictors for SARS-CoV-2 Antibodies Decline Rate in Health Care Workers after BNT162b2 Vaccination-Results from a Serological Survey

Amir Bar-Shai (Tel-Aviv, Israel), Nadav Zacks, Chezy Levi, Anna Breslavsky, Shlomo Maayan, Evgeniya Tsiba, Shlomo Fytlovich, Ori Wand, Moshe Shaffer, Yaniv Sherer, Gili Givaty, Anat Tzurel Ferber, Michael Tal, Natalya Bilenko

The intensive care unit admissions and mortality rates of the Covid-19 patients whose chest imaging findings were progressed during hospitalization: Is there any difference between vaccinated or unvaccinated patients?

Emine Kamiloğlu (Iefkosa, Cyprus), Birdal Cihangir

TP-18

Session

13:00 - 14:00

Thematic poster: Updates on physical activity, exercise and nonconventional therapies

Disease(s) : [Interstitial lung diseases](#) [Airway diseases](#)

Method(s) : Epidemiology Public health Pulmonary rehabilitation General respiratory patient care

Chairs : Heleen Demeyer (Leuven, Belgium), Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil)

Measurement properties of walk tests in interstitial lung diseases

Ana Oliveira (Hamilton, Canada), Sanaa Alsubheen, Wade Michaelchuk, Alda Marques, Roger Goldstein, Dina Brooks

Reference values for six-minute walk distance, -walk work and -distance-saturation product in adults

Jeannet Delbressine (Horn, Netherlands), Dennis Jensen, Anouk Vaes, Pei Li, Jean Bourbeau, Wan Tan, Bitu Hajian, Alex Van 'T Hul, Martijn Spruit

Impact of ActiGraph's processing criteria on steps count in COPD

Joana Antão (Aveiro, Portugal), Sara Almeida, Patrícia Rebelo, Alda Sofia Pires De Dias Marques

Physical activity and its correlates in patients with Cystic Fibrosis: a systematic review

Manon Kinaupenne (Gentbrugge, Belgium), Marieke De Craemer, Heidi Schaballie, Kristof Vandekerckhove, Stephanie Van Biervliet, Heleen Demeyer

Experienced physical activity in patients with COPD: identifying subgroups according to C-PPAC

Astrid Blondeel (Leuven, Belgium), Heleen Demeyer, Sofie Breuls, Marieke Wuyts, Fien Hermans, Nikolaas De Maeyer, Eric Derom, Wim Janssens, Thierry Troosters

Correlates of physical activity in patients with COPD: a multifactorial approach

Astrid Blondeel (Leuven, Belgium), Heleen Demeyer, Sofie Breuls, Marieke Wuyts, Fien Hermans, Nikolaas De Maeyer, Eric Derom, Wim Janssens, Thierry Troosters

Who are the COPD patients who have reduced exercise capacity during recovery from hospitalization for acute exacerbation of COPD (AECOPD)? A longitudinal observational study

Renata Mendes (Sao Carlos (SP), Brazil), Naiara Leonardi, Erika Zavaglia Kabbach, Alessandro Domingues Heubel, Nathany Souza Schafausser, Débora Mayumi Kawakami, Viviane Castello-Simões, Valéria A. Pires Di Lorenzo, Audrey Borghi-Silva

Investigation of the health status and quality of life in COPD according to the caregivers-a pilot study

Elvan Felekoglu (Izmir, Turkey), Melissa Kopruluoglu, Aslihan Delice, Hulya Sahin, Ilknur Naz

4-meter gait speed test (4MGS) as a promising tool to predict and prescribe walking exercise intensity in individuals with COPD

Fabio Pitta, Gianna Waldrich Bisca, Andrea Akemi Morita, Felipe Vilaça Cavallari Machado, Antenor Rodrigues, Thais Sant'Anna, Karina Couto Furlanetto, Nidia Aparecida Hernandez

Exercise-induced bronchoconstriction (EIB) in young athletes - a need for repeated testing?

Karin Ersson (Uppsala, Sweden), Henrik Johansson, Elisabet Mallmin, Leif Nordang, Andrei Malinovski

The PAY test: a new approach to assessing functional performance in children and adolescents with asthma

Fernanda C. Lanza (Belo Horizonte, Brazil), Jenifer Santos, Jessyca Selman, Ariane Crispim, Karina Nascimento, Giovanna Souza, Danila Cano, Anne Holland, Simone Dal Corso

EXERCISE CAPACITY AND ASTHMA: PROSPECTIVE COHORT STUDY IN CHILDREN AND ADOLESCENTS

Fernanda C. Lanza (Belo Horizonte, Brazil), Luana Silva, Mariana Reimberg, Bruno Soares, Rebeca Scalco, Talita Rodrigues, Gustavo Wandalsen, Dirceu Solé, Simon Dal Corso

Musculoskeletal (MSK) assessment in children and young people (CYP) with Primary Ciliary Dyskinesia (PCD)

Julie Simpson (Birmingham, United Kingdom), Prasad Nagakumar, Manjith Narayanan, Rajinder Kang, Priti Kenia

The effects of elastic tape on dyspnea and health status in COPD: a randomized controlled trial

Caroline Maschio de Censo (São Paulo, Brazil), Eloise A. Dos Santos, Thiago Fernandes Pinto, Rafaella F. Xavier, Regina M. Carvalho-Pinto, Rafael Stelmach, Celso R. F. Carvalho

Comparison of physical capacity between smokers and non-smokers: an observational study.

Christophe Thibon (Bruxelles, Belgium), Gilles Caty, Sophie Gohy, Frank Aboubakar, Grégory Reyckler

Muscle energy techniques for COPD patients: Effects on pulmonary function and activities of daily living

Kimberley Sevasta (Zejtun, Malta), Anabel Sciriha, Tonio Agius

Effect of MET training on pain and activities of daily living in COPD patients

Serpil MIHÇIOĞLU (Gaziantep, Turkey), Mehtap Malkoç, Sevgi Özalevli, Emine Handan Tüzün, Ilker Yatar

How do we identify dysfunctional breathing (DB) in children and young people (CYP)- a UK delphi consensus.

Ruth Stewart (Kirkcaldy, United Kingdom), Kenneth Macleod, Ann McMurray, Kirstin Unger

The relationship of disease knowledge level with perceived knowledge and health status in COPD – a pilot study

Elvan Felekoglu (Izmir, Turkey), Melissa Kopruluoglu, Aslihan Delice, Hulya Sahin, Ilknur Naz

Late Breaking Abstract - Preferences for pulmonary rehabilitation care: a discrete choice experiment among patients

Rebecca Farah (Bruxelles, Belgium), Wim Groot, Milena Pavlova

TP-17

Session

13:00 - 14:00

Thematic poster: Risk stratification in lung transplant patients

Disease(s) : Airway diseases Interstitial lung diseases Respiratory critical care Pulmonary vascular diseases Thoracic oncology

Method(s) : Transplantation Imaging Cell and molecular biology Pulmonary function testing General respiratory patient care Physiology Surgery

Chairs : Saskia Bos (Newcastle upon Tyne, United Kingdom), Merel Hellemons (Rotterdam, Netherlands)

Morbimortality of severe early abdominal complications in lung transplanted patients

Laura González Ramos (Santander, Spain), Joy Selene Osorio Chávez, Marta Cristeto Porras, Noelia Borja Vargas, Sandra Tello Mena, David Iturbe Fernández, José Manuel Cifrián Martínez, José Manuel Cifrián Martínez, Víctor Manuel Mora Cuesta

Sarcopenia and skeletal muscle dysfunction in lung transplant candidates

Mauricio Salinas (Colina, Chile), Christian Andrade, Silvana Valdés, Claudio Caniulaf, Ditzzy Provoste, Rodrigo Adasme, Virginia Linacre

IMPACT OF NEUTROPENIA AND GRANULOCYTE COLONY-STIMULATING FACTOR TREATMENT IN LUNG TRANSPLANT RECIPIENTS

Raquel Sanabrias (Madrid, Spain), Rosalía Laporta, Myriam Aguilar, María Teresa Lázaro, Christian García, Silvia Aguado, Ana Royuela, María Piedad Ussetti

Cystic Lung Diseases and Lung Transplantation

Rosa Gutiérrez-Larraya Sánchez-Andrade (Madrid, Spain), Marta Erro Iribarren, Silvia Aguado Ibañez, Rosalía Laporta Hernández, Myriam Aguilar Pérez, Christian García Fadul, Guillermo Padín Pico, María Piedad Ussetti Gil

Renal outcomes according to baseline kidney function after lung or combined heart-lung transplantation for pulmonary hypertension

Alexander D'Haenens (Leuven, Belgium), Louis Vanwalleghem, Rozenn Quarck, Catharina Belge, Guido Claessen, Dirk Kuypers, Greet De Vlieger, Tom Verbelen, Laurens Ceulemans, Dirk Van Raemdonck, Arne Neyrinck, Geert Verleden, Robin Vos, Marion Delcroix, Laurent Godinas

Right ventricle and lung ischemia-reperfusion injury: Large animal model mimicking hemodynamics during off-pump sequential single-lung transplantation

Michaela Orlitová (Leuven, Belgium), Piet Claus, Anna E Frick, Dieter Van Beersel, Bert Demeulenaere, Marouane Benthami Kbibbi, Jan Van Slambrouck, Bart M Vanaudenaerde, Geert M Verleden, Stijn Verleden, Walter Coudyzer, Robin Vos, Dirk E Van Raemdonck, Laurens J Ceulemans, Tom Verbelen, Arne P Neyrinck

Referral characteristics and outcome of listing for lung transplantation in interstitial lung diseases patients

Martina Šterclová (Praha, Czech Republic), Lucie Valentova-Bartakova, Libor Fila, Jiri Pozniak, Monika Svorcova, Robert Lischke

Lung transplantation for interstitial lung disease: lessons from a UK single centre experience

Saskia Bos (Newcastle upon Tyne, United Kingdom), Swee W Leong, Zhe K Law, James L Lordan, Arun Nair, Andrew J Fisher, Gerard Meachery

A survey of referral rates for lung transplant assessment in patients with interstitial lung disease meeting pulmonary function criteria

Ofir Deri (Petach Tikva, Israel), David Ovadia, Michael Peled, Sumit Chatterji, Liran Levy

Telomere length measurement in the pre lung transplant evaluation of patients with interstitial lung disease

Julie Morisset (Montréal (QC), Canada), Vincent Ferraro, Basil S Nasir, Anne-Sophie Lemay, Stéphane Doucet, Genevieve Huard, Charles D Poirier, Pasquale Ferraro

Downregulation of NLRP3CASP1 and IL1B expression in COPD patients after lung transplantation

Ivona Markelić (Zagreb, Croatia), Lada Rumora, Iva Hlapčić, Feđa Džubur, Sanja Popović Grle, Miroslav Samaržija, Andrea Vukić Dugac

Airway complications after lung transplantation: risk factors and clinical characteristics

Hyeon Hwa Kim (Seoul, Republic of Korea), Dong Kyu Oh, Kyung-Wook Jo, Sang-Bum Hong, Tae Sun Shim, Geun Dong Lee, Sehoon Choi, Dong Kwan Kim, Seung-Il Park, Ho Cheol Kim

The impact of donor-recipient sex match in the lung function after lung transplant

Albert Cheng (Richmond Hill, Canada), Haruna Kitazawa, Natalia Belousova, Anastasiia Vasileva, Joyce K.Y. Wu, Clodagh Ryan, Chung-Wai Chow

Bronchoalveolar lavage lymphocytes as a marker of acute cellular rejection in lung transplant recipients

Rosa Gutiérrez-Larraya Sánchez-Andrade (Madrid, Spain), Silvia Aguado Ibañez, Marta Erro Iribarren, Guillermo Padín Pico, Myriam Aguilar Pérez, Rosalía Laporta Hernández, María Piedad Ussetti Gil, Beatriz Jara Chinarro

Morphological changes during CLAD development after lung transplantation

Hanne Beeckmans (Leuven, Belgium), Vincent Geudens, Lynn Willems, Janne Kaes, Astrid Vermaut, Charlotte De Fays, Arne P Neyrinck, Geert M Verleden, Lieven Dupont, Laurens J Ceulemans, Dirk E Van Raemdonck, Robin Vos, Bart Vanaudenaerde

Influence of mycophenolate mofetil dosage and plasma levels on the occurrence of chronic lung allograft dysfunction in lung transplants.

carolin steinack (Zürich, Switzerland), Philipp Saurer, Fiorenza Gautschi, René Hage, Gernot Ortmanns, Macé M Schuurmans, Thomas Gaisl

Late Breaking Abstract - Donor smoking history does not affect the risk of lung cancer in lung transplantation patients

Eline A. van der Ploeg (Groningen, Netherlands), Erik A.M. Verschuuren, T. Jeroen N. Hiltermann, Johanna P. Van Gemert, Michiel Erasmus, Carolien Van De Wauwer, C Tji Gan

Late Breaking Abstract - Effective home monitoring using portable spirometer of the patient after lung transplantation – feasibility pilot study

Mikolaj Basza, Wojciech Bojanowicz, Fryderyk Zawadzki, Marek Ochman, Lukasz Koltowski, Piotr Przybylowski, Mateusz Soliński

TP-7 Session 13:00 - 14:00**Thematic poster: Contribution of host-microbe interactions to respiratory disease**

Disease(s) : Airway diseases Respiratory critical care

Method(s) : Cell and molecular biology Physiology Epidemiology Public health Imaging

Chairs : Gwenda Vasse (Groningen, Netherlands), Colin Bingle (Sheffield (South Yorkshire), United Kingdom)

Protein Blend Suppress Inflammatory Response from Bronchial Epithelial Cells Induced by SARS-Cov-2

José Roberto Mateus da Silva (São José dos Campos, Brazil), Carlos R. Oliveira, Maysa A. R. Brandao-Rangel, Anamei Silva-Reis, Fabiana R. Da S. Olimpio, Lucas Dos S. Zamarioli, Rodolfo P. Vieira

Differentially expressed FOXO1NFE2L2 and NFKB1 mRNAs are associated with differentially regulated corona- and influenza viral receptor genes and Toll-like receptor pathway genes in human bronchial epithelial cells under hyperbaric oxygen exposure

Yu-Ming Li (TAIPEI, Taiwan), Cheng-Chin Wang, Yun Chang, Chieh-Min Chen, Yi-Hui Chen

Investigating neutrophil function during SARS-CoV2 infection in human airway epithelial cells from elderly and young individuals

Tereza Masonou (London, United Kingdom), Maximillian Woodall, Elizabeth Robinson, Ayad Eddaoudi, Katie M. Case, Julio O. Canseco, Priya Solanki, Linzy Elton, Lia B. Arruda, Timothy D. Mchugh, Rob Hynds, Colin Butler, Marko Nikolic, Rosalind L. Smyth, Claire M. Smith

RNA sequencing unravels unique host transcriptional responses to infection with SARS-CoV-2 in well differentiated primary human bronchial epithelial cells compared to other coronaviruses

Ying Wang (Leiden, Netherlands), Melissa Thaler, Clarisse Salgado-Benvindo, Nathan Ly, Anouk A. Leijs, Dennis K. Ninaber, Martijn J. Van Hemert, Pieter S. Hiemstra, Anne M. Van Der Does, Alen Faiz

Changes in the hematological cells ratios are associated with death in COVID-19 patients

Ilse Adriana Gutiérrez Pérez (mexico, Mexico), Gloria Pérez-Rubio, Ivette Buendía-Roldán, Rafael Hernández-Zenteno, Leslie Chavez-Galán, Ramcés Falfán-Valencia, Iris Paola Guzmán-Guzmán

Conditions affecting bronchial epithelial cells responses to poly (I:C)

Fatemeh Moheimani (Middlesbrough, United Kingdom), Nafeesa Shahdab, Chris Ward, Stephen Cummings

A model of epithelial and neutrophil responses to cystic fibrosis microbes

Daniel Laucirica (Nedlands, Australia), Craig Schofield, Samantha Mclean, Camilla Margaroli, Patricia Agudelo-Romero, Stephen Stick, Rabindra Tirouvanziam, Thomas Riley, Anthony Kicic, Luke Garratt

Method development for flow-cytometric analysis of primary human airway epithelia infected with non-typeable Haemophilus influenzae

Katie L Horton (Southampton, United Kingdom), Jennifer L Cane, Claire L Jackson, Raymond N Allan, Jane S Lucas, Timothy S C Hinks

Phosphoinositide 3-kinase and airway infections in severe asthmatics

Anurag Bhalla (Toronto (ON), Canada), Katherine Radford, Kayla Zhang, Zachary Brautigam, Chynna Huang, Melanie Kjarsgaard, Nicola Lavigne, Sarah Svenningsen, Guillaume Pare, Manali Mukherjee, Parameswaran Nair

Staphylococcal enterotoxin B has sustained effects on the respiratory immune milieu and significantly modulates allergic airway inflammation in a mouse model

Sabine Stegemann-Koniszewski (Magdeburg, Germany), Ilka Jorde, Christina Hildebrand, Irina Han, Eva Lücke, Jens Schreiber

In vitro approaches to identify an antiviral role for BPIFB1 in the airway epithelium

Abdulaziz Alkhoshaiban (Sheffield, United Kingdom), Miraj Kobad Chowdhury, Priyanka Anujan, Lynne Bingle, Colin Bingle

Increased degradation of heparan sulfate is implicated in COPD exacerbations of different etiology

Eleni Papakonstantinou (Basel, Switzerland), Maria-Elpida Christopoulou, Michael Tamm, Daiana Stolz

The gut microbiome in COPD; a case-control study

Anders Ørskov Rotevatn (Nesttun, Norway), Tomas Mikal Lind Eagan, Solveig Tangedal, Gunnar Reksten Husebø, Rune Nielsen

Circulating levels of hyaluronic acid synthase-2 (HAS-2) are associated with COPD exacerbations of different etiology

Eleni Papakonstantinou (Basel, Switzerland), Maria-Elpida Christopoulou, Michael Tamm, Daiana Stolz

Inflammatory signature of a murine model of chronic obstructive pulmonary disease (COPD) exacerbations

Elena Tantillo (Parma, Italy), Paola Caruso, David Colecchia, Gloria Pittelli, Silvia Pontis, Maurizio Civelli, Marcello Trevisani

Late Breaking Abstract - COVID 19 severity is associated with the presence of lung derived cfDNA in plasma

Ariel Rokach (Jerusalem, Israel), Roni Ben Ami, Eden Cohen, Nama Bogot, Danit Kochan, George Kalak, Amir Jarjoui, Chen Chen Shuali, Hava Azulai, Hezi Barhoum, Moshe M Greenberg, David Velleman, Ramzi Kurd, Eli Ben Chetrit, Ahmad Quteineh, Yuval Dor

Late Breaking Abstract - Novel fully primary human airway epithelium-alveolar macrophages in vitro co-cultures models to study host pathogen interactions

Samuel Constant (Plan-les-Ouates, Switzerland), Bernadett Boda, Carole Bertinetti, Ophélie Verbeke, Xiao-Yann Huang, Song Huang

Late Breaking Abstract - Single cell mRNA sequencing of nasal swabs indicate an impaired ciliated cell function in COVID-19 convalescents with persisting dyspnea

Saskia Trump (Berlin, Germany), Jennifer Loske, Maria Theresa Völker, Olivia Debnath, Sören Lukassen, Naveed Ishaque, Marey Messingschlager, Anke Seegebarth, Fridolin Steinbeis, Florian Kurth, Thomas Zoller, Martin Witzernath, Irina Lehmann, Sven Laudi, Roland Eils

Late Breaking Abstract - Vaccination after recovery from COVID-19 affects nasal antibody levels

Felicity Liew (London, United Kingdom), Shubha Talwar, Claudia Efstathiou, Thushan De Silva, Susannah Dunachie, Antonia Ho, Sara Fontanella, Lance Turtle, Ryan S Thwaites, Peter J M Openshaw

Late Breaking Abstract - Increased susceptibility to Pseudomonas aeruginosa pneumonia in overventilated lungs is caused by airspace acidification

Matthias Felten (Berlin, Germany), Chiunjiang Tan, Sebastian Ferencik, Jingjing Li, Eleftheria Letsiu, Jasmin Lienau, Holger C Müller-Redetzky, Theresa C Firsching, Achim D Gruber, Gopinath Krishnamoorthy, Zhang Qi, Wolfgang Kübler, Martin Witzernath

TP-24

Session

13:00 - 14:00

Thematic poster: Advances in rare interstitial lung diseases**Disease(s) :** [Interstitial lung diseases](#)**Method(s) :** General respiratory patient care Cell and molecular biology Respiratory intensive care Imaging Pulmonary function testing Endoscopy and interventional pulmonology Physiology**Chairs :** Ivette Buendia Roldán (México D.F, Mexico), Raphaël Borie (Paris, France)**Is YouTube a reliable source for patient information in lymphangiomyomatosis?**

Finn Wilkens (Heidelberg, Germany), Claudia Ganter, Katharina Kriegsmann, Heinrike Wilkens, Nicolas Kahn, Gillian C. Goobie, Christopher J. Ryerson, Michael Kreuter

Respiratory lesions of IgG4-related disease classified by 2019 ACR/EULAR criteria: A retrospective study

Masamichi Komatsu (Matsumoto, Japan), Hiroshi Yamamoto, Shoko Matsui, Yasuhiro Terasaki, Akira Hebisawa, Tae Iwasawa, Takeshi Johkoh, Tomohisa Baba, Atsushi Miyamoto, Tomohiro Handa, Keisuke Tomii, Yuko Waseda, Masashi Bando, Haruyuki Ishii, Yasunari Miyazaki, Akihiko Yoshizawa, Tamiko Takemura, Yoshinori Kawabata, Masayuki Hanaoka, Takashi Ogura

Lane-hamilton syndrome and CCF: a fatal association

Salman Ayyaz (Multan, Pakistan), Shakeel Ahmed Khan, Faisal Zaheer, Mudassar Rasool, Waqas Afzal

LYMPHANGIOLEIOMYOMATOSIS AND GENETICS

Marta Garcia Moyano (Barakaldo, Spain), Leticia Ceberio Hualde, Beatriz González Quero, Imanol González Muñoz, Francisco Javier Martínez Núñez, Marta Lázaro Serrano, Ainhoa Gandiaga Mandiola, Blanca Gener Querol

Antifibrotic therapy on progressive fibrotic lung disease non-IPF – a retrospective cohort

Marta Sousa De Sá Marques (Vila Nova de Gaia, Portugal), Sérgio Campinha, Carla Nogueira, Inês Marques, Sofia Neves

The role of BAL in a long Covid population.

Francesco Bini (Pavia (PV), Italy), Bruno Dino Bodini, Umberto Zanini, Angelo De Lauretis, Giuseppe Pepe, Stefano Zucchetti, Paola Faverio

Right ventricle to arterial uncoupling is a mortality predictor in fibrotic interstitial lung diseases

Angelo Canora (Napoli (NA), Italy), Ciro Santoro, Agostino Buonauro, Gaetano Rea, Mario Enrico Canonico, Roberta Esposito, Alessandro Sanduzzi Zamparelli, Giovanni Esposito, Marialuisa Bocchino

Inflammatory profile of bronchoalveolar lavage in pulmonary Langerhans cell histiocytosis

Diego Castillo, Silvia Barril, Paloma Millán, Alfonso Luque, Paloma Acebo, Sonsoles Hortelano

Characteristics, similarities and differences comparing fibrotic alveolar to airway basal cells

Sabrina Blumer (Basel, Switzerland), Petra Khan, Julien Roux, Spasenija Savic, Lars Knudsen, Danny Jonigk, Mark Kuehnel, Michael Tamm, Katrin Hostettler

Survival and mortality associated factors in progressive fibrosing interstitial disease

Haifa Zaibi (Tunis, Tunisia), Khoulood Chaabi, Emna Ben Jemia, Nourchene Khalfallah, Jihen Ben Amar, Hichem Aouina

Management of bronchiolitis obliterans in a group of Tunisian children

Amal Saidani (Bizerte, Tunisia), Sabrine Louhaichi, Mariem Hamdi, Olfa Ben Moussa, Besma Hamdi, Ikbel Khalfallah, Jamel Ammar, Agnes Hamzaoui

Idiopathic Inflammatory Myopathy-associated Interstitial Lung Disease (IIM-ILD): does radiologic features matter?

Gioele Castelli (Padova, Italy), Elisabetta Cocconcelli, Elisabetta Zanatta, Chiara Giraud, Nicol Bernardinello, Cristina Dartora, Luca Iaccarino, Paolo Spagnolo, Elisabetta Balestro

TP-1 Session 13:00 - 14:00**Thematic poster: Biomarkers in COVID-19****Disease(s) :** Respiratory critical care Airway diseases Interstitial lung diseases**Method(s) :** Respiratory intensive care Cell and molecular biology Physiology General respiratory patient care Public health Pulmonary function testing Epidemiology**Chairs :** Manali Mukherjee (Hamilton (ON), Canada), Timothy Hinks (Oxford, United Kingdom)**The platelet-to-lymphocyte ratio (PLR) versus Neutrophil-to-lymphocyte ratio (NLR) in prediction of Coronavirus disease-19 outcome**

Luci Suliman (Mansoura, Egypt), Mona Elwasefy, Nesrine Saad Farrag, Heba Wagih Abdelwahab

Predictive role of some biomarkers in the course of COVID 19 infection

Pavlina Nikolova Glogovska (Pleven, Bulgaria), Elena Borisova, Snezhanka Ivankovska, Plamen Pavlov

Evaluation of lipid profile in patients with COVID-19 infection

Ali Abdelaziz (Minia, Egypt), rasha abdelfattah, Mohammad O. Abdel Aziz, Mahmoud M Higazi, Noha M Abdullah, Hany Taha Askilany

The evaluation of Serum angiotensin converting enzyme 2 (ACE2) levels and its relationship with clinical outcome in patients with Coronavirus disease 2019 (COVID-19)

Seyed mehdi Hashemi (Kerman, Islamic Republic of Iran), Mitra Samareh Fekri, Mahdi Hosseinib, Amir Baniasad, Anahita Behzadi, Sajjاده Movahedinia

Nasal swab sampling for antigen test identifies COVID-19 well in all ages

Maria Juusela (Espoo, Finland), Juha M Koskinen, Venla Aaltonen, Matilda Sipilä, Seppo Sarna, Janne O Koskinen, Erik Qvist

Is it really so important to study humoral immunity to SARS-CoV-2?

Yuliia Huba (Dnipropetrovsk, Ukraine), Olena V. Myronenko, Oxana V. Plekhanova, Hanna A. Garagulya

Outcome prediction in hospitalized COVID-19 patients: what is the prognostic value of organ failure biomarkers?

Kateryna Gashynova (Dnipro, Ukraine), Vladyslava Rudakova, Viktoriya Rodionova, Yelyzaveta Lysak

RELATIONSHIP BETWEEN KREBS VON DEN LUNGEN-6 (KL-6) LEVELS AND THE SEVERITY OF PATIENTS OF A POST-COVID MULTIDISCIPLINARY UNIT

Pablo Mariscal Aguilar (Madrid, Spain), Daniel Laorden Escudero, Ana Laila Qasem Moreno, Teresa Lázaro Miguel-Sin, María Jiménez González, Alberto Moreno Fernández, Francisco Arnalich Fernández, Alberto Borobia Fernández, Jaime Pavón Guede, Ricardo Camperos Moreno, Antonio Buño Soto, Rodolfo Álvarez-Sala Walther, Luis Gómez Carrera, Concepción Prados Sánchez, Elena Villamañán Bueno, Vega Rey Mauleón, Victoria Arnalich Montiel, Sergio Alcolea Batres, Isabel Fernández Navarro, Carlos Carpio Segura

Hematological and hepatic alterations as predictors of mortality in patients hospitalized by SARS-COV-2

Laura Cornejo-Cornejo (México City, Mexico), Alejandra Rios-Pereda, Arturo Orea-Tejeda, Dulce Gonzalez-Islas, Jorge Aguilar-Meza, Carlos Marquez-Cordero, Mariana Salvatiera-Escobar, Iris Lopez-Vazquez, Carlos Sanchez-Moreno, Juan Orozco-Gutierrez, Benigno Valderrabano-Salas, Robinson Robles-Hernandez, Rafael Hernandez-Zenteno, Angelia Jimenez-Valentin, Maria Salgado-Fernandez

Severe lymphocyte dysfunction and impaired cellular immune response as a consequence of COVID-19

Katarzyna Plewka-Barcik (Warsaw, Poland), Karolina Aleksandrowicz, Klaudia Porebska, Robert Zdanowski, Jacek Z. Kubiak, Krzysztof Klos, Andrzej Chcialowski

Neutrophil-to-lymphocyte ratio (NLR) as a predictor of survival in COVID-19-associated pneumonia patients (pts)

Daria Koval (Dnipropetrovsk, Ukraine), Kseniia Bielosludtseva

COMPARISON OF CARDIAC BIOMAKERS PREDICTIVE ROLE IN COVID-19 PNEUMONIA

Olha Shchudro (Dnipro, Ukraine), Mariia Krykhtina, Kseniia Bielosludtseva, Lyudmila Konopkina

TIMING AND PREDICTORS OF DECANNULATION: COMPARISON BETWEEN COVID-19 AND NO-COVID-19 ARDS

Francesca Cemmi (Peschiera del Garda, Italy), Cinzia Lastoria, Roberta Marra, Federica Fioretti, Abramo Bazza, Manuela Bergonzi, Matteo Vigna, Chiara Mele, Annalisa Carlucci

Abnormal FeNO post COVID-19

Bavithra Vijayakumar (thame (Oxfordshire), United Kingdom), James Tonkin, Christopher M Orton, Leeh Faustino, Isaac Mwita, Jadwiga Wedzicha, Pallav L Shah

Neutrophil-to-lymphocyte ratio (NLR) as a marker of COVID-19-associated pneumonia progression.

Daria Koval (Dnipropetrovsk, Ukraine), Kseniia Bielosludtseva

Is lymphopenia a predictive factor of outcomes in COVID-19 patients?

Leila Douik El Gharbi (Ariana, Tunisia), Tasnim Znegui, Imen Sahnoun, Ines Moussa, Sarra Ben Sassi, Chiraz Ksouri, Asma Allouch, Rafik Guerfallah

EXPLORING THE ROLE OF KREBS VON DEN LUNGEN-6 (KL-6) IN SEVERE TO CRITICAL COVID-19: A SINGLE INSTITUTION EXPERIENCE

Vito D'Agnano (S. Vito dei Normanni, Italy), Fabio Perrotta, Filippo Scialò, Francesco Saverio Cerqua, Luigi Aronne, Lidia Atripaldi, Carlo Iadevaia, Grazia Mazzeo, Adriano Costigliola, Andrea Bianco, Cecilia Calabrese

Correlation between vitamin D and anosmia in post acute Covid syndrome clinic

Aoife O'Connor (Rathfarnham, Ireland), Carol Buckley, Mark Griffin, Ahmad Basirat, Joshua Olaniyi, Meabh Monaghan, Seamas Donnelly, Patrick Mitchell

CAT Score Correlates with Lung Function in Post Covid Pulmonary Disease

Saeed Akbar (Gillingham (Kent), United Kingdom), Yee-Ean Ong, Adrian Draper, James Kent Bramer, Raminder Aul

Patient-reported respiratory outcome measures in the recovery of adults hospitalised with COVID-19: A systematic review and meta-analysis

Sophie Middleton (Nottingham, United Kingdom), Christos Chalitsios, Tricia Mckeever, Alex Jenkins, Charlotte Bolton

TP-12

Session

13:00 - 14:00

Thematic poster: New insights into asthma immunology: from mouse to man

Disease(s) : **Airway diseases**

Method(s) : Epidemiology Imaging Pulmonary function testing Cell and molecular biology General respiratory patient care Endoscopy and interventional pulmonology Respiratory intensive care Transplantation

Chairs : Ian M. Adcock (London, United Kingdom), Tania Maes (Ghent, Belgium)

Screening and verification of differentially expressed genes for airway remodeling in asthma

Ling QIn (Changsha, China), Chi Liu, Mengping Wu, Ye Yao

Control of T cell-dependent steroid-resistant asthma model by several kinase inhibitors

Akio Mori (Sagamihara (Kanagawa prefecture), Japan), Satoshi Kouyama, Iyako Yamaguchi, Akemi Ohtomo-Abe, Keisuke Iwamoto, Koichi Yano, Norihito Fujita, Maki Iwata, Kisako Nagayama, Kai Ryu, Yuto Nakamura, Yuto Hamada, Kentaro Watai, Yosuke Kamide, Kiyoshi Sekiya, Yuma Fukutomi, Takayuki Ohtomo, Osamu Kaminuma

Female sex hormones affect asthma severity by altering cellular metabolism in the airways

Olivia Carroll (Newcastle, Australia), Alexandra Brown, Jemma Mayall, Nazanin Zounemat-Kermani, Henry Gomez, Richard Kim, Chantal Donovan, Evan Williams, Bronwyn Berthon, James Pinkerton, Katie Wynne, Hayley Scott, Yi-Ke Guo, Philip Hansbro, Paul Foster, Sven-Erik Dahlen, Ian Adcock, Lisa Wood, Jay Horvat

Monensin inhibits mast cell-induced airway contractions in human and guinea pig asthma models

Jielu Liu (solna, Sweden), Mu Nie, Caijuan Dong, Jesper Säfholm, Gunnar Pejler, Gunnar Nilsson, Mikael Adner

Modulation of sensitization and inflammation through *S. aureus* nasal carriage in allergic asthma patients and a mouse model

Sabine Stegemann-Koniszewski (Magdeburg, Germany), Sophia Görges, Azin Asari, Eva Lücke, Silva Holtfreter, Siouxsie Wiles, Jens Schreiber

The polybacterial mucosal vaccine MV130 impairs airway inflammation in a HDM-induced eosinophilic asthma model

Ana Carmen Sevilla Ortega (Madrid, Spain), Alba Angelina Querencias, Beatriz Marcos Ramiro, Mario Pérez Diego, Laura Conejero Hall, Jose Luis Subiza, Oscar Palomares Gracia

Relationship between interleukin-13 and transferrin receptor-1 responses in the pathogenesis of asthma

Amber Pillar (New Lambton Heights, Australia), Alexandra Brown, Jemma Mayall, Jessica Weaver, Ama-Tawiah Essilfie, Gabriela Hoefel, Md Khadem Ali, Richard Kim, Chantal Donovan, Henry Gomez, Kanth Swaroop Vanka, Hock Tay, Nazanin Kermani, Elizabeth Milward, Philip Hansbro, Peter Wark, Jay Horvat

Transcriptomic analysis of cellular senescence signatures in severe asthma

Woo-Jung Song (Seoul, Republic of Korea), Nazanin Zounemat-Kermani, Yi-Ke Guo, Ian Adcock, Kian Fan Chung

Blood eosinophils activation type, besides count, associate with exacerbations in asthma

Laura Vitiello (, Italy), Carmen Mazzuca, Panaiotis Finamore, Sonia Zotti, Silvia Travaglini, Raffaele Antonelli Incalzi, Simone Scarlata

Dupilumab treatment increases transitional B-cells (regulatory B-cells) in severe asthma

Marek Lommatzsch (Rostock, Germany), Marieke Dost, Neeraja Jaishankar, Martin Weise, Paul Stoll, Johann Christian Virchow, Kai Bratke

Alarmin release in the bronchial epithelium of allergic asthma patients vary in response to different aeroallergens

Sangeetha Ramu (Lund, Sweden), Christian Uggerhoj Woehlk, Juan-Jose Nieto-Fontarigo, Samuel Cerpes, Sara Vazquez Mera, Mandy Menzel, Hamid Akbharshahi, Celeste Porsbjerg, Lena Uller

Endotyping severe asthma with qPCR for five mast cell transcripts in induced sputum correlates with microscopy

Bo Tønnesen (Aarhus C, Denmark), Johannes M Schmid, Michael Fricker, Hans Jürgen Heinrich Hoffmann

The association between complement C3 and small airway impairment in asthma

Spela Kokelj (Göteborg, Sweden), Jörgen Östling, Karin Fromell, Kristina Nilsson Ekdahl, Bo Nilsson, Henric K. Olsson, Anna-Carin Olin

Influence of polymorphisms in vitamin D receptor gene on severity and exacerbations of asthma

Sekiko Uehara (Shizuoka, Japan), Keita Hirai, Toshihiro Shirai, Hinako Otaki, Taisuke Akamatsu, Kunihiro Itoh

Airway inflammation before and after bronchial thermoplasty

Annika W.M. Goorsenberg (Amsterdam, Netherlands), Pieta C. Wijsman, Abilash Ravi, Julia N.S. D'Hooghe, Barbara S. Dierdorp, Tamara Dekker, Charlotte C.C.L.M. Van Schaik, Nick H.T. Ten Hacken, Pallav L. Shah, Els J.M. Weersink, Elisabeth H. Bel, Jouke T. Annema, Rene Lutter, Peter I. Bonta

Impaired cytokine production of circulating immune cells in severe asthma in response to Influenza virus

Kaschin Jamal Jameel (Bochum, Germany), Sarah Yanik, Cansel Kamaci, Daniel Weidinger, Eike Buelthoff, Simon Rohde, Faisal Yusuf, Juliane Kronsbein, Matthias Tenbusch, Juergen Knobloch

Effect of Ozone on Allergic Airway Inflammation

Mehrdad Arjomandi (San Francisco, United States), Hofer Wong, Rachel Tenney, Nina Holland, John Balmes

Alarmin Expression in the Upper and Lower Airways of Asthmatics with Allergic Rhinitis

Christiane Whetstone (Hamilton, Canada), Maral Ranjbar, Nadia Alsaji, Dhuha Al-Sajee, Lesley Wiltshire, Jennifer Wattie, Paul O'Byrne, Ruth Cusack, Roma Sehmi, Gail Gauvreau

Increased IgA+ memory B cells are associated with small airway dysfunction in asthma patients

Ruth Grychtol (Hannover, Germany), Anika Habener, Svenja Gaedcke, David Deluca, Anna Maria Dittrich, Christine Happle, Mustafa Abdo, Henrik Watz, Frauke Pedersen, Inke Regina König, Dominik Thiele, Mathias Volkmar Kopp, Erika Von Mutius, Thomas Bahmer, Klaus F. Rabe, Almut Meyer-Bahlburg, Gesine Hansen

Comparison of upper and lower airway expression of SARS-COV-2 receptors in mild allergic asthmatics

Maral Ranjbar (Hamilton, Canada), Christiane Whetstone, Ruth Cusack, Dhuha Al-Sajee, Nadia Alsaji, Paul O'Byrne, Roma Sehmi, Gail Gauvreau

TP-16

Session

13:00 - 14:00

Thematic poster: Predictors of lung function and respiratory morbidity in children

Disease(s) : Airway diseases Sleep and breathing disorders

Method(s) : Epidemiology Public health General respiratory patient care Imaging Physiology Pulmonary function testing

Chairs : Maribel Casas (Barcelona, Spain), Franca Rusconi (Pisa, Italy)

Systematic review and meta-analysis of FEV1 in preterm born children

Sarah Kotecha (Cardiff (South Glamorgan), United Kingdom), James Gibbons, Christopher W Course, Emily E Evans, Shannon J Simpson, W John Watkins, Sailesh Kotecha

Lung function and structure in preterm-born adolescents of the surfactant era

Yasmin Salem (Bern, Switzerland), C. Corin Willers, Anne-Christianne Kentgens, Julian Jakob, Enno Stranzinger, Ben Brabandt, Alan Peters, Laura I. Loebelenz, Grzegorz Bauman, Philipp Latzin, Sophie Yammine

Lung function trajectories and pulmonary functions in healthy young smokers

Stoilka Koleva Mandadzhieva (Plovdiv, Bulgaria), Blagoi Marinov, Stefan Kostianev

Exposure to air pollution and lung development during childhood: the LUIS Study

Jakob Usemann (Basel, Switzerland), Rebeca Mozun, Claudia Kuehni, Kees De Hoog, Florian Singer, Alexander Möller, Philipp Latzin

Investigating the impact of London's Ultra Low Emission Zone (ULEZ) on children's respiratory health: Lung function of participants in the CHILL Study

Luke Sartori (London, United Kingdom), Harpal S. Kalsi, James Scales, Ivelina Tsocheva, Rosamund Dove, Jasmine Chavda, Grainne Colligan, Helen E. Wood, Louise Cross, Jessica Moon, Amy Hall, Chris Newby, Ian S. Mudway, Gurch Randhawa, Chris J. Griffiths

Impact of biomass fuel smoke on respiratory health of children under 15 years old in Madagascar

Nolwenn Jestin-Guyon (Bordeaux, France), El Hassane Ouualaya, Michel Tiaray Harison, Kiady Ravahatra, Rondro Nirina Raharimanana, Jocelyn Robert Rakotomizao, Joelson Lovaniaina Rakotoson, Njaka Andriamahenina, Ange Andrianarisoa, Andrianaivo Ralison, Denis Charpin, Brigitte Rahoelina, Jean De Dieu Marie Rakotomanga, Pierre L'Her, Jean-Marie Tschopp, Raelina Andriambololona, Chantal Raheison-Semjen

Ambient air pollution exposure during pregnancy is associated with low cord blood IL-17a in infants

Olga Gorlanova (Bättwil, Switzerland), Heide Oller, Andrea Marten, Loretta Müller, Jessica Laine-Carmelli, Fabienne Decrue, Yasmin Salem, Danielle Vienneau, Kees De Hoogh, Amanda Gisler, Jakob Usemann, Insa Korten, Sophie Yammine, Uri Nahum, Noemi Künstle, Pablo Sinues, Sven Schulzke, Philipp Latzin, Oliver Fuchs, Martin Röösl, Bianca Schaub, Urs Frey

Short-term air pollutant exposure and infant lung function in a South African birth cohort

Nithiseelan Rajen Naidoo (Durban, South Africa), Sheena Muttoo, Prakash Jeena, Kareshma Asharam, Kees De Hoogh, Martin Roosli

Impact of exposure reduction recommendations on asthma symptom control during the high desert dust season in Cyprus: The MEDEA randomised trial in children with asthma

Panayiotis Kouis (Nicosia, Cyprus), Paraskevi Kinni, Antonis Michanikou, Pinelopi Anagnostopoulou, Konstantinos Pitsios, Maria G. Kakkoura, Stefania I. Papatheodorou, Petros Koutrakis, Panayiotis K. Yiallourous

Predictors of suboptimal asthma control and of asthma attacks differ: the Swiss Paediatric Airway Cohort (SPAC)

Cristina Ardura-Garcia (Bern, Switzerland), Maria Christina Mallet, Daria Olena Berger, Eva Sophie Lunde Pedersen, Karyn Hoyler, Anja Jochmann, Alena Kuhn, Alexander Moeller, Nicolas Regamey, Florian Singer, Claudia E Kuehni

External Validation of the Predicting Asthma Risk in Children (PARC) tool in a clinical cohort

Daria Berger (Bern, Switzerland), Eva S L Pedersen, Maria C Mallet, Carmen C M De Jong, Jakob Useman, Nicolas Regamey, Ben D Spycher, Cristina Ardura-Garcia, Claudia E Kuehni

Night cough in children: phenotypic characterisation, healthcare utilisation, and management in a population-based study

Maria Christina Mallet (Bern, Switzerland), Rebeca Mozun, Cristina Ardura-Garcia, Maja Jurca, Philipp Latzin, Moeller Alexander, Kuehni Claudia E

The impact of passive smoking in infancy on respiratory morbidity during covid-19 pandemic: a birth-cohort study

Keren Armoni Domany (Tel-Aviv, Israel), Michael Schnapper, Nataly Rosenfeld, Ilan Dalal, Diana Tasher, Alma Kamar, Avigdor Mandelberg

Mortality in children and adolescents on Home Mechanical Ventilation: Systematic Literature Review and Meta-Analysis

Roberto Vera Uribe (Santiago, Chile), Luis Vasconcello, Jordi Vilaró, Rebeca Paiva, Rodrigo Torres-Castro

What is the clinical status of patients on discharge from bronchopulmonary dysplasia clinic?

Sinead Carton (Derby, United Kingdom), Joshua Meadows, Jayesh Mahendra Bhatt

Recurrent Pneumonia in children: A Single Centre Experience in Malaysia.

Sze Chiang Lui (Kuala Lumpur, Malaysia), Charlotte Ying Shi Gan, Yi Cheau Chua, Nor Diyana Ismail, Jia Chyi Soh, Dakshnamoorthy Vythinathan, Then Moli Othayamoorthy, N.Fafwati Faridatul Akmar Mohammad, Hasliza A.Razak, Shangari Kunaseelan, Karuthan Chinna, Asiah Kassim

Late Breaking Abstract - Comparison of nasal microbiota between term and preterm infants at mean post-menstrual age of 45 weeks

Olga Gorlanova (Bättwil, Switzerland), Annika Nissen-Kratzert, Nadezda Mostacci, Noemi Künstle, Andrea Marten, Amanda Gisler, Katharina Bacher, Yasmin Salem, Jakob Usemann, Insa Korten, Sophie Yammine, Uri Nahum, Sven Schulzke, Philipp Latzin, Oliver Fuchs, Markus Hilty, Urs Frey

Late Breaking Abstract - Cough phenotypes in children

Maria Christina Mallet (Bern, Switzerland), Eva S L Pedersen, Ronny Makhoul, Sylvain Blanchon, Karin Hoyler, Anja Jochmann, Philipp Latzin, Alexander Moeller, Nicolas Regamey, Oliver Sutter, Myrofora Goutaki, Ben D Spycher, Claudia E Kuehni

Late Breaking Abstract - Prevalence and patient characteristics of dysfunctional breathing in children and adolescents with asthma

Signe Vahlkvist (Kolding, Denmark), Louise Jürgensen, Tine Detlefsen Hell, Thomas Houmann Petersen, Poul- Erik Kofoed

Late Breaking Abstract - Application and External Validation of the Asthma Severity Scoring System (ASSESS) in children and adults

Ruth Grychtol (Hannover, Germany), Lennart Riemann, Svenja Gaedcke, Bin Liu, David Deluca, Reinhold Förster, Nicole Maison, Dominik Thiele, Nikolas Jakobs, Thomas Bahmer, Meike Meyer, Svenja Foth, Stefanie Weber, Ernst Rietschel, Klaus F. Rabe, Matthias V. Kopp, Erika Von Mutius, Anna-Maria Dittrich, Hansen Gesine

TP-4 Session 13:00 - 14:00**Thematic poster: New techniques and improvements in lung function assessment**

Disease(s) : Pulmonary vascular diseases Airway diseases Sleep and breathing disorders Interstitial lung diseases Respiratory critical care

Method(s) : Imaging Physiology Pulmonary function testing General respiratory patient care Public health Respiratory intensive care Pulmonary rehabilitation

Chairs : Raffaele Dellaca (Milano (MI), Italy), Camille Rolland-Debord (clermont-ferrand, France)

Validating RespMech: an automated, free and open-source platform for respiratory mechanics analysis at rest and in exercise

Annie Liu (Richmond Hill, Canada), Yannick Molgat-Seon, Nathaniel Y. W. Yuen, Paolo B. Dominelli, Matthew D. James, Denis E. O'Donnell, Nicole J. Domnik, Emil Schwarz Walsted

An app-based spirometer for home use can detect exercise-induced bronchoconstriction in athletes

Tonje Reier-Nilsen (Jar, Norway), Julie Stang, Hanne Flatsetøy, Martine Isachsen, Björn Nordlund

Digital lung sound characteristics related to airflow turbulence intensity: a methodological proof-of-concept.

Eline Lauwers (Wilrijk, Belgium), Toon Stas, Hosein Sadafi, Rita João, Ian Mclane, Wendel Dierckx, Kim Van Hoorenbeeck, Jan Steckel, Wilfried De Backer, Stijn Verhulst, Kris Ides

Pulmonary acinar biomechanics imaged with synchrotron phase contrast microtomography in live rats

Sam Bayat (Grenoble, France), Jose-Luis Cercos, Luca Fardin, Gaetano Perchiazzi, Alberto Bravin

Dependence of capnogram shape factors on age and anthropometric parameters in spontaneously breathing normal subject

József Tolnai (Szeged, Hungary), Ferenc Peták, Katalin Kapus, Gergely H. Fodor, Ferenc Rárosi, Zoltán Novák

Lung Ultrasound as a tool for monitoring the interstitial changes in recently hospitalised patients with COVID-19 pneumonia - the COVIDLUS study

Naomi Earl (Tunbridge Wells, United Kingdom), Austin Begbey, Miriam Davey, Emma Ince, Sarah Greenslade, Naveen Sharma, Nicklas Wakeham, Karina Cox, Tuck-Kay Loke

Comparison of current predicted spirometric values examined in a Bolivian population and proposal of local reference equations

Alfredo Ajata (Santa Cruz, Bolivia), Giuseppe Liistro

Pulmonary function test in obese patients

Yael González (Buenos Aires, Argentina), Alejandro Salvado, Belén Ginetti, Julieta Franzoy, Pablo Oyhamburu, Josefina Pascua, Glenda Ernst, Fernando Di Tullio

Cardiorespiratory responses to head down tilt

ABDULAZIZ ALSHARIFI (London, United Kingdom), Akbar Irampaye, Niamh Carter, Joerg Steier, Gerrard Rafferty

Comparison of mainstream and sidestream capnography in spontaneously breathing adults

Ibolya Tóth (Hódmezővásárhely, Hungary), Ferenc Rárosi, József Tolnai, Almos Schranc, Zoltán Novák, Ferenc Peták, Gergely H. Fodor

Validity of a novel respiratory health meter for analysis of maximal respiratory pressures

Herko Ryyänen (Helsinki, Finland), Ilpo Kuronen, Essi Ahokas, Maarit Valtonen, Johanna K. Ihalainen, Anssi Sovijärvi, Juhani Multanen

Pulmonary Hypertension and measurement of exercise capacity remotely: the PERSPIRE study

Carol Keen (Sheffield (South Yorkshire), United Kingdom), Molly Hashmi-Greenwood, Karen Sage, David Kiely

Can Forced Expiratory Time be used as a surrogate tool in quantifying the lung hyperinflation in COPD?

Sana SELLAMI (Sfax, Tunisia), Rim Kammoun, Fatma Elleuch, Leila Triki, Rania Bouchech, Hela Zouari, Kaouther Masmoudi

Physiologist- and SLT-led CPET-CLE: a one stop shop for complex breathlessness

Scott Hawkes (Woking (Surrey), United Kingdom), Joanne Clayton, Rob Peat, Thomas Simon FitzMaurice, Richard Steven, Rob Cooper

Spirometric lung function as a predictor of peak VO₂ in adults with congenital heart disease

Scott Hawkes (Woking (Surrey), United Kingdom), Thomas Simon FitzMaurice, Yuen Liao, Angella Bryan, Reza Ashrafi

Late Breaking Abstract - Lung volumes differentiate the predominance of emphysema versus airway disease phenotype in early COPD

Mehrdad Arjomandi (San Francisco, United States), Siyang Zeng, Russell Bowler, Gang Luo, David Lynch

TP-10

Session

13:00 - 14:00

Thematic poster: Severe asthma: from phenotypes to exacerbations**Disease(s) :** Airway diseases Sleep and breathing disorders**Method(s) :** Epidemiology Public health Cell and molecular biology General respiratory patient care Pulmonary function testing**Chairs :** Stylianos Loukides (Athens, Greece), Carolina Maria Gotera Rivera (Madrid, Spain)**Multi-ancestral meta-analysis yields novel genetic loci for asthma exacerbations**

Esther Herrera Luis (La Laguna, Spain), Victor E. Ortega, Elizabeth J. Ampleford, Yang Yie Sio, Raquel Granell, Emmely De Roos, Natalie Terzikhan, Ernesto Elorduy Vergara, Natalia Hernandez-Pacheco, Javier Perez-Garcia, Elena Martin-Gonzalez, Fabian Lorenzo-Diaz, Simone Hashimoto, Paul Brinkman, Andrea L. Jorgensen, Qi Yan, Erick Forno, Susanne J. Vijverberg, Ryan Lethem, Antonio Espuela-Ortiz, Mario Gorenjak, Celeste Eng, Ruperto González-Pérez, José M Hernández-Pérez, Paloma Poza-Guedes, Olaia Sardón, Paula Corcuera, Greg A Hawkins, Annalisa Marsico, Thomas Bahmer, Klaus F. Rabe, Gesine Hansen, Matthias Volkmar Kopp, Raimon Rios, Maria Jesus Cruz, Francisco-Javier González-Barcala, José María Olaguibel, Vicente Plaza, Santiago Quirce, Glorisa Canino, Michelle Cloutier, Victoria Del Pozo, Jose R Rodriguez-Santana, Javier Korta-Murua, Jesús Villar, Uroš Potočnik, Camila Figueiredo, Michael Kabesch, Somnath Mukhopadhyay, Munir Pirmohamed, Daniel B. Hawcutt, Erik Melén, Colin N Palmer, Steve Turner, Anke H Maitland-Van Der Zee, Erika Von Mutius, Juan C. Celedón, Guy Brusselle, Fook Tim Chew, Eugene Bleecker, Deborah Meyers, Esteban G Burchard, Maria Pino-Yanes

Respiratory system modeling of impedance on the effect of simulated obstructive apnea in participants with and without asthma

Xiaoshu Cao (North York, Canada), Nasim Montazeri Ghahjaverestan, Behrad Taghibeyglou, Jason H. T. Bates, Azadeh Yadollahi

Respiratory muscle strength investigation in severe asthma patients with lung hyperinflation

Galyna Gumeniuk (Kyiv, Ukraine), Yurii Feshchenko, Svitlana Opimakh, Maryna Polianska, Viktoria Ignatieva, Svitlana Moskalenko, Inna Zvol

Perimenstrual worsening of asthma; prevalence and clinical outcomes in severe asthma population

Adel H Mansur (, United Kingdom), Ali Bahron, Christopher Reilly, Lisa White, Julie Sullivan

Sputum eosinophilia is a useful biomarker for treatment failure of biologics for severe eosinophilic asthma

Torben Smidt-Hansen (Stavtrup, Denmark), Helle Haagensen Andersen, Lene Moelgaard Pedersen, Anne Sofie Bjerrum, Tina Skjold, Runa Poulsen, Søren Bagge Petersen, Hans Jürgen Hoffmann, Johannes Schmid

Optimizing adrenal insufficiency screening in severe asthma patients on biologic therapy

Irene Berrar Torre (london, United Kingdom), Kena Simpson, Veronica Greener, Breda Cushen, Pujan Patel

Discrepancies between anti-Interleukin5 (anti-IL5) starters from SHARP central registry and eligible patients in clinical trials

Stefania Principe (Palermo (PA), Italy), Levi B. Richards, Simone Hashimoto, Johannes A. Kroes, Job J.M.H. Van Bragt, Susanne J.H. Vijverberg, Jacob K. Sont, Nicola Scichilone, Kristina Bieksiene, Anneke Ten Brinke, Zsuzsanna Csoma, Barbro Dahlén, Bilun Gemicioglu, Ineta Grisle, Piotr Kuna, Zorica Lazic, Florin Mihaltan, Sanja Popović-Grle, Sabina Skgrat, Anke-Hilse Maitland Van Der Zee

Identification of plasma fibrinogen-high asthma phenotype

Letizia Valsecchi (Torino, Italy), Andrea Sprio, Andrea Baroso, Martina Sciolla, Vitina Carriero, Francesca Bertolini, Antonino Di Stefano, Fabio Luigi Massimo Ricciardolo

REAL LIFE FOLLOW-UP OF PATIENTS WITH SEVERE EOSINOPHILIC ASTHMA TREATED WITH RESLIZUMAB.

Cristhian Correa (Madrid, Spain), Katuska Herminia Liendo Martinez, Francisco Javier De Castro Martínez, Ji Zichen, Luis Puente Maestu, Julia Garcia De Pedro

Hand grip strength as a screening tool for frailty in elderly patients with moderate to severe asthma

Ricardo Figueiredo (Feira De Santana (BA), Brazil), Gabriela P. Pinheiro, Vanessa Arata, Maisa F. M. Leal, Cinthia V. N. Santana, Jean Carlos Z. Contreras, José De Bessa Junior, Alvaro A. Cruz

Body Mass Composition in asthmatics according to inflammatory phenotypes (SAMBA trial)>

Stephanie Ziant (LIEGE, Belgium), Sebastien Louis, Sophie Graff, Catherine Moermans, Monique Henket, Rita Deroisy, Renaud Louis, Jean-Francois Kaux, Thierry Bury, Florence Schleich

Effects of biologics on systemic and airway inflammation in severe asthma: a real-life study

Francesco Ardesi (Milan, Italy), Dina Visca, Patrizia Pignatti, Martina Zappa, Rosella Centis, Federico Mattia Oliva, Flavia Rusconi, Ombretta Mentasti, Giovanni Battista Migliori, Antonio Spanevello

Cross-sectional validation of the German version of the Asthma Impairment and Risk Questionnaire (AIRO)

Frank Kannies (Reinfeld (Holstein), Germany), Marek Lommatzsch, Thomas Schultz, Hartmut Timmermann, Olaf Schmidt, Stefan Heindl, Kerstin Defosse, Hans-Joerg Baumann, Charles Lange, Dana Dirlam, Cesar Ignacio Fernandez-Lazaro, Anja Rudolph, Stephanie Korn

Predicting asthma attack risk in real life severe asthma patients on mepolizumab

Gaël Tavernier (Manchester (Greater Manchester), United Kingdom), Liam Whipday, Taqdees Qureshi, Stephen Fowler

Characterising the impact of sex on severe asthma (SA) in the UK Severe Asthma Registry (UKSAR)

Lola Loewenthal (London, United Kingdom), John Busby, Ronald McDowell, Thomas Brown, Hassan Burhan, Rekha Chaudhuri, Paddy Dennison, James Dodd, Simon Doe, Shoaib Faruqi, Robin Gore, Elfatih Idris, David Jackson, Mitesh Patel, Thomas Pantin, Ian Pavord, Paul Pfeffer, David Price, Salman Siddiqui, Liam Heaney, Andrew Menzies-Gow

Risk factors for asthma exacerbations during pregnancy: a systematic review and meta-analysis

Annelies Robijn (New Lambton Heights (NSW), Australia), Marleen Bokern, Megan Jensen, Daniel Barker, Katherine Baines, Vanessa Murphy

Severe asthma outcomes in patients self-administering biological therapy at home

Leanne Jo Holmes (manchester, United Kingdom), Lynn Elsey, Amelia Simpson, Gael Tavernier, Stephen J Fowler

T2 and T3 cytokine expression in asthma with chronic rhinosinusitis

Vitina Carriero (Orbassano, Italy), Elisa Arrigo, Francesca Bertolini, Fabio Luigi Massimo Ricciardolo

Effects of menopause and fat mass in asthmatic inflammation in female asthmatics

Andriana Papaioannou (Vrilissia (Athens), Greece), Anastasia Papaporfyriou, Maria Kallieri, Eftychia Papachatzopoulou, Paschalina Giouleka, Georgia Papadaki, Aris Spathis, Petros Bakakos, Spyros Papiris, Stelios Loukides

Clinical, functional, and biological characterization of neutrophilic asthma phenotype and endotypes.

Elisa Arrigo (Orbassano, Italy), Camilla Demasi, Vitina Carriero, Francesca Bertolini, Gino Villetti, Daniela Miglietta, Fabio Luigi Massimo Ricciardolo

TP-19

Session

13:00 - 14:00

Thematic poster: COVID imaging and diagnosis**Disease(s) :** Interstitial lung diseases Airway diseases Respiratory critical care**Method(s) :** General respiratory patient care Imaging Cell and molecular biology Pulmonary function testing Epidemiology Respiratory intensive care**Chairs :** Harm Tiddens (Rotterdam, Netherlands), Chair to be confirmed**Chest CT scan features in COVID-19 pneumonia according to duration of symptoms**

Donia Belkhir (Tunis, Tunisia), Hana Blibech, Houda Snene, Aymen Jebali, Syrine Daoud, Line Kaabi, Soumaya Debbich, Nadia Mehiri, Saoussen Miladi, Ahmed Laatar, Nozha Ben Salah, Bechir Louzir

Lung ultrasound : an economic solution to estimate the severity of SARS-COV2 pneumonia

Yesmine Haddar (Sousse, Tunisia), Islam Mejri, Samira Mhamdi, Selsabil Daboussi, Chiraz Aichaouia, Zied Moetemri

Imagistic lung findings using Artificial Intelligence in SARS CoV2 hospitalized patients based on vaccinal status

Stoichita Alexandru (Bucharest, Romania)

Home oxygen therapy : A suitable modality for critically ill COVID-19 patients after discharge

Fatma Essafi (Zaghuan, Tunisia), Malek Kharrat, Najla Ben Slimene, Imen Talik, Khaoula Ben Ismail, Moez Kaddour, Takoua Merhabene

Association with changes in pulmonary artery diameters and outcomes in COVID-19: Retrospective study

Aybuke Selcuk (Beylikdüzü, Turkey), Can Ilgin, Sait Karakurt

Radiological findings of severe SARS-CoV-2 pneumonia: 1-year follow-up.

Lidia Perendreu Busquets (Sabadell, Spain), Lidia Zamudio Domingo, Saioa Eizaguirre Anton, Marc Bonnin Vilaplana, Gladis Sabater Talaverano, Marina Belén Lescano Ponce, Ramon Orriols Martínez

The ability of Lung High-Resolution Computed Tomography Severity Score to early identify COVID-19 patients who need respiratory support. A retrospective analysis of a monocentric Italian COVID-19 cohort.

emanuele gilardi (rome, Italy), Francesco Travaglino, Silvia Mazzaroppi, Carlo Alberto Mallio, Solange Fugger, Flavia Cristofano, Tommaso Grandi, Domenico Margiotta, Silvia Navarin, Michela Orrù, Giada Zoccoli, Pasquale D'Alessio, Carlo Cosimo Quattrocchi, Federica Sambuco

COVID pneumoniae: Clinical and radiological follow-up of a prospective cohort

Eva Ailin Vallejos (Ciudad Autónoma Buenos Aires, Argentina), Sabrina Resnik, Eva Ailin Vallejos, Florencia Santia, Laura Barria, Eugenia Perticone, Federico Felder, Mariano Sosa, Facundo Nogueira, Carlos Luna

Pre-COVID determinants of COVID-19 diagnosis by clinician and RT-PCR in a general adult population

Eman Quraishi (göteborg, Sweden), Chiamaka Jibuaku, Daniil Lisik, Hannu Kankaanranta, Bright I Nwaru

Comparison of clinician diagnosis of COVID-19 against real-time polymerase chain reaction in a general adult population

Daniil Lisik (Gothenburg, Sweden), Chiamaka Jibuaku, Eman Quraishi, Hannu Kankaanranta, Bright Nwaru

Does the accuracy of clinician diagnosis of COVID-19 compared to RT-PCR in adults depend on the number and severity of comorbidities?

Daniil Lisik (Gothenburg, Sweden), Chiamaka Jibuaku, Eman Quraishi, Hannu Kankaanranta, Bright I Nwaru

Clinical, functional and radiological long-term follow-up of pneumonia cases treated for COVID-19

Miraç Öz (Ankara, Turkey), Aslıhan Gürün Kaya, Övgü Velioglu Yakut, Sema Nur Doğru, Serhat Erol, Fatma Çftci, Irem Akdemir Kalkan, Güle Çınar, Neriman Defne Altuntaş, Çağlar Uzun, Aydın Çiledağ, Kemal Osman Memikoğlu, Akin Kaya, Öznur Yıldız, Oya Kayacan, Özlem Özdemir Kumbasar, Sevgi Saryal

Exhaled Breath Condensate (EBC) for SARS-CoV-2 diagnosis still an open debate.

Paola Pierucci (Bari, Italy), Maria Chironna, Daniela Loconsole, Mariagrazia Tummolo, Lavinia Palma, Marianna Cicchetti, Giovanni Sanasi, Sara Piccinno, Giovanna Elisiana Carpagnano

Contribution of SARS-CoV-2 antigen rapid diagnostic tests for diagnosis of SARS-CoV-2 infection among health care professionals

Nidhal Belloumi (la soukra, Tunisia), Mariem Mersni, Wiem Ayed, Najla Mechergui, Dorra Brahim, Rania Nakhli, Emna Bechrifa, Nizar Ladhari, Imen Youssef

Comparison of a point-of-care and a standard RT-PCR assay for COVID-19 detection in the emergency department.
Christos Kampolis (Nikea, Greece), Sabrina Gkogka, Panagiotis Varsos, Efthimia Pavlou, Ilka Babatseva-Vagena, Dimitrios Tsartsalis, Sotirios Adam, Apostolos Drolas, Georgios Charalambous

Detection of COVID-19 in hospitalised patients by exhaled breath analysis
Abraham van Poppel (Edegem, Belgium), Eline Janssens, Veronique Verplancke, Johanna Kwakkel-Van Erp, Lore Vandermeersch, Gynaika De Coster, Preben Van Overmeiren, Jan P. Van Meerbeeck, Benedicte Y. De Winter, Kristof Demeestere, Christophe Walgraeve, Therese S. Lapperre, Kevin Lamote

Analysis of Volatile Organic Compounds in Exhaled Breath of COVID-19 Patients
Tiar Oktavian (SURABAYA, Indonesia), Iin Noor Chozin, Suryanti Dwi Pratiwi

Radiological sequelae in patients with ARDS due to SARS-CoV-2 pneumonia
Yolanda Galea Colón (Barcelona, Spain), Anna Mola Ausiró, Núria Angrill Sellés, Mireia Baiges Badia, Santiago Mora Acosta, Enric Barbeta Sanchez

Factors influencing the radiological evolution of COVID19 pneumonia
Hela Cherif (Tunis, Tunisia), Selim Kalboussi, Bochra Karaborni, Mariem Triki, Ferdaous Yangui, Med Ridha Charfi

Clinical and radiological outcomes in patients with COVID-19 organizing pneumonia
Sze Shyang Kho (Kuching (Sarawak), Malaysia), Noorul Afidza Muhammad, Mona Zaria Nasaruddin, Jamalul Azizi Abdul Rahaman

TP-11

Session

13:00 - 14:00

Thematic poster: Chronic cough: management and impact on quality of life

Disease(s) : Airway diseases Interstitial lung diseases Sleep and breathing disorders Respiratory critical care

Method(s) : Epidemiology Physiology General respiratory patient care Pulmonary rehabilitation Cell and molecular biology Public health Imaging Palliative care Pulmonary function testing

Chairs : Alyn Hugh Morice (Cottingham, United Kingdom), Chair to be confirmed

Language and geographical location influences the incidence of chronic cough in the Canadian Longitudinal Study on Aging (CLSA)
Imran Satia (Hamilton, Canada), Alexandra Mayhew, Nazmul Sohel, Om Kurmi, Kieran Killian, Megan O'Connell, Paul O'Byrne, Parminder Raina

Productive vs non-productive chronic cough associated with worse lung health and higher morbidity and mortality in the general population
Eskild Morten Landt (Koege, Denmark), Yunus Çolak, Børge Nordestgaard, Peter Lange, Morten Dahl

Impact of mental health and personality traits on the incidence of chronic cough in the Canadian Longitudinal Study on Aging (CLSA)
Imran Satia (Hamilton, Canada), Alexandra Mayhew, Sohel Nazmul, Om Kurmi, Kieran Killian, Paul O'Byrne, Parminder Raina

Canadian health care professionals' experiences diagnosing chronic cough – results from a healthcare survey
Elena Kum (Hamilton, Canada), Nermin Diab, Mustafaa Wahab, Theodore Abraham, Sevag Sahakian, Paul Hernandez, Harold Kim, Maxime Cormier, Peter Lin, Anne Ellis, Louis-Philippe Boulet, Alan Kaplan, Stephen Field, Imran Satia

Canadian health care professionals' familiarity with chronic cough, its impact on patients, and guideline recommendations of the diagnosis and treatment of chronic cough
Mustafaa Wahab (Hamilton, Canada), Elena Kum, Nermin Diab, Theodore Abraham, Sevag Sahakian, Paul Hernandez, Harold Kim, Maxime Cormier, Peter Lin, Anne Ellis, Louis-Philippe Boulet, Alan Kaplan, Stephen Field, Imran Satia

Hypotonic Saline Effectively discriminates Refractory/Unexplained Chronic Cough from Healthy Volunteers
James Wingfield Digby (Manchester (Greater Manchester), United Kingdom), Jenny King, Rachel Dockry, Shilpi Sen, Shannon Galgani, Paul Marsden, Jacky Smith

Validation of cough monitoring by Albus Home RD, a contactless bedside device for nocturnal monitoring
William Do (Oxford, United Kingdom), Richard Russell, Christopher Wheeler, Hamza Javed, Cihan Dogan, George Cunningham, Vikaran Khanna, Maarten De Vos, Mona Bafadhel, Ian Pavord

Exhaled biomarkers in adults with non-productive cough
Össur Ingi Emilsson (Uppsala, Sweden), Spela Kokelj, Jörgen Östling, Anna-Carin Olin

An algorithm to identify patients with refractory chronic cough from administrative claims data: a feasibility study
Sascha van Boemmel-Wegmann (Berlin, Germany), Philippe Vieira Pires, Ron Herrera, PAREN VORA

Consensus goals and standards of specialist cough clinics: the NeuroCOUGH international Delphi study

Woo-Jung Song (Seoul, Republic of Korea), Charlotte Van De Kerkhove, Laurent Guilleminault, Jan Willem Van Den Berg, Giovanni Fontana, Surinder Biring, Eva Millqvist, Alyn Morice, Lieven Dupont, Lorcan Mcgarvey

Characteristics of patients with potential refractory chronic cough identified using an algorithm designed for administrative claims databases: a descriptive study

Sascha van Boemmel-Wegmann (Berlin, Germany), Philippe Vieira Pires, Ron Herrera, Preen Vora

Does hiatal hernia impact GER-related chronic cough?

Olga Truba (Warszawa, Poland), Joanna Żuchowska, Marta Dąbrowska, Elżbieta Magdalena Grabczak, Katarzyna Białek-Gosk, Aleksandra Rybka-Frączek, Rafał Krenke

Effects of environmental exposure to iron powder in an elastase mice model

Thiago Tafarel Galli (São Paulo, Brazil), Elaine C. Campos, Tabata M. Santos, Silvia Fukuzaki, Leandro N. Camargo, Suellen K. M. Bezerra, Sara S. S. Hamaguchi, Fábio J. A. Da Silva, Beatriz M. Saraiva-Romanholo, Clarice R. Olivo, Carla M. Prado, Fernanda D. T. Q. S. Lopes, Edna A. Leick, Christine L. M. Bourotte, Isabela J. M. Benseñor, Paulo A. Lotufo, Renato F. Righetti, Iolanda F. L. C. Tibério

Posturography using video game of individuals with COPD compared to healthy elderly

Rodrigo Luiz (Mogi das Cruzes, Brazil), Carolina Castellari, Daniela Ike, Adriana Sousa, Evelim Gomes, Dirceu Costa

Late Breaking Abstract - Use of novel tidal breathing monitoring device to detect methacholine challenge test responders

Inbal Shafran (Haifa, Israel), Andreas Zachariades, Nadav Bachar, Noy Danino, Gregory Shuster, Wieland Voigt

Late Breaking Abstract - Novel QCT textures are associated with sRAGE and IL-6 in SPIROMICS

Hira Anees Awan (Iowa city, United States), Muhammad F. A. Chaudhary, Junfeng Guo, Eric A. Hoffman, Alejandro P. Comellas, Igor Z. Barjaktarevic, Surya P. Bhatt, Eugene R. Bleecker, Sandeep Bodduluri, Russell P. Bowler, Christopher B. Cooper, Jeffery L. Curtis, Meilan K. Han, Jerry A. Krishnan, Fernando J. Martinez, Wanda O'Neal, Robert Paine Iii, Joseph M. Reinhardt

Late Breaking Abstract - Frequent productive cough is consistently associated with higher risk of COPD exacerbations during follow-up in NOVELTY

Hana Müllerová (Cambridge, United Kingdom), Rod Hughes, Stefan Franzén, Laura Belton, Clement Erhard, Christina Keen, Christer Janson, Helen K Reddel, Benjamin Fenby

Late Breaking Abstract - Development of a daily predictive model for the exacerbation of chronic obstructive pulmonary disease

Yong Suk Jo (Seoul, Republic of Korea), Kyung Hoon Min, Seoung Ju Park, Hyoung Kyu Yoon, Won-Yeon Lee, Kwang Ha Yoo, Ki Suck Jung, Chin Kook Rhee

Late Breaking Abstract - Oral corticosteroid (OCS) risk predictor for Type II Diabetes in asthma

Brooklyn Stanley (One Shenton, Singapore), Andrew Menzies-Gow, Arnaud Bourdin, Giorgio Walter Canonica, Mark Gurnell, Helen Reddel, Liam G. Heaney, Victoria Carter, Jatin Chapaneri, Trung N. Tran, Ekaterina Maslova, David Price

Late Breaking Abstract - Health status, activity score and dyspnoea grade in chronic bronchitis, COPD and healthy controls in China

Jie Song (, China), Paul Jones, Rongchang Chen, Jingping Zheng, Yongchang Sun, Fuqiang Wen, Qianli Ma, Xufei Li, Liang Zhang, Weilun Ke, Shang Cao, Shuling Hu, Chris Compton, Nanshan Zhong

TP-13

Session

13:00 - 14:00

Thematic poster: Diagnosis, risk factors and management of asthma**Disease(s)** : Airway diseases**Method(s)** : Epidemiology Public health Pulmonary function testing**Chairs** : Shyam Krishnan (Kolkata (West Bengal), India), Bin Cao (Beijing, China)**Treatment situation of patients with uncontrolled GINA 4 or 5 asthma in Germany**

Dirk Skowasch (Bonn, Germany), Hartmut Timmermann, Katrin Milger, Johann Christian Virchow, Olaf Schmidt, Karl Christian Bergmann, Dirk Koschel, Claus Neurohr, Florian Scholz, Robert Lindner, Sebastian Heck

Severity of adult onset asthma – a matter of blood neutrophils and severe obesity?

Sofia Winsa Lindmark (Luleå, Sweden), Caroline Stridsman, Axel Sahlin, Linnea Hedman, Nikolai Stenfors, Tomi Myrberg, Anne Lindberg, Eva Rönmark, Helena Backman

Adverse events and asthma among adults in the UK Biobank

Yueh-Ying Han (Pittsburgh, United States), Erick Forno, Wei Chen, Juan Celedón

Accuracy of asthma diagnosis and factors associated with misdiagnosis in primary care setting

Isabella Annesi Maesano (Montpellier, France), Marzia Simoni, Claudio-Maria Sanguinetti, Stefano Nardini, Fernando De Benedetto

Time trends of asthma in children – true increase or increased diagnostics?

Linnea Hedman (Luleå, Sweden), Anna Winberg, Anders Bjerg, Helena Backman, Martin Andersson, Eva Rönmark

Influence of asthma on ARIA classification of allergic rhinitis in the French population-based cohort Constances

Marine Savouré (Paris, France), Jean Bousquet, Bénédicte Leynaert, Marcel Goldberg, Marie Zins, Bénédicte Jacquemin, Rachel Nadif

The prevalence of severe asthma, use of oral corticosteroid and management strategies in the Nordic countries: results from the pan-Nordic NORDSTAR cohort

Susanne Hansen (Copenhagen, Denmark), Anna Von Bülow, Patrik Sandin, Olivia Ernstsson, Hanna Fues Wahl, Kirk Geale, Christer Janson, Lauri Lehtimäki, Hannu Kankaanranta, Charlotte Ulrik, Bernt Bøgvald Aarli, Sheila Tuyet Tang, Maija Wolf, Tom Larsen, Vibeke Backer, Helena Backman, Jussi Karjalainen, Alan Altraja, Arja Viinanen, Valentyna Yasinska, Tina Skjold, Johannes Schmid, Pauli Kauppi, Dóra Lúðvíksdóttir, Sverre Lehmann, Asger Sverrild, Maritta Kilpeläinen, Apostolos Boissos, Celeste Porsbjerg

Birth order, sibship size and wheezing phenotypes: a systematic review and meta-analysis

Daniil Lisik (Gothenburg, Sweden), Athina Ioannidou, Gregorio Paolo Milani, Sungkutu Nyassi, Saliha Selin Özyugur Ermis, Giulia Carla Immacolata Spolidoro, Hannu Kankaanranta, Emma Goksör, Göran Wennergren, Bright Ibeabughichi Nwaru

Persistent asthma-like symptoms in COVID-19 patients 3 and 12 months after severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection

Shokouh Makvandi-Nejad (ÅS, Norway), Hooman K Moghadam, Francisco Gomez Real, Randi Jacobsen Bertelsen, Juan Pablo López-Cervantes, Nina Langeland, Bjørn Blomberg, Rebecca Jane Cox, Cecilie Svanes

The prevalence and risk factors of asthma, allergic rhinitis, and chronic obstructive pulmonary disease in Azerbaijan

Çağla Khurshud Huseynova (ANKARA, Turkey), Gunel Sadiqova, Dilara Bakhshaliyeva, Khurshud Hajiyeva, Elvin Mammadov, Lamiya Abbasli, Beyim Mahmudova, Kamran Mammadov, Niftali Zerbelyev, Abbas Bagirov, Kamala Baylarova, Ahmet Ugur Demir, Ali Fuat Kalyoncu

Clinical and paraclinical profile in asthmatic patients with COVID-19 at Hassan II hospital in AGADIR

Oussama HALLOUMI (AGADIR, Morocco), Houda Moubachir, Hind Serhane

Adherence to Mediterranean diet and asthma control: results from a cross-sectional study in Greece.

Maria Sfika (Athens, Greece), Myrto Blizou, Spiros Papis, Maria-Iosifina Kasdagli, Petros Bakakos, Stelios Loukides, Pagona Lagiou, Androniki Naska

The economic cost of intermittent and persistent asthma in Italy.

Simone Accordini (Verona (VR), Italy), Luigi Martinelli, Lucia Calciano, Federica Albicini, Leonardo Antonicelli, Roberto Bono, Alessandro Fois, Erica Gini, Amelia Grosso, Nicola Murgia, Pietro Pirina, Giulia Squillacioti, Elisabetta Zinellu, Angelo Corsico

Impact of lockdowns on paediatric asthma hospital presentations over three waves of COVID-19 pandemic

Nusrat Homaira (Sydney (NSW), Australia), Nan Hu, Louisa Owens, Mei Chan, Melinda Gray, Philip Britton, Hirens Selvaduri, Raghu Lingam, Adam Jaffe

Different prevalence trends in allergic sensitization, asthma and rhinitis among children from 1996 to 2017 in Northern Sweden

Eva Rönmark (Luleå, Sweden), Joakim Bunne, Anders Bjerg, Linnea Hedman

Diet quality, food intake and incident adult-onset asthma

Edith Visser (Leeuwarden, Netherlands), Kim De Jong, Janneke Pepels, Huib Kerstjens, Anneke Ten Brinke, Tim Van Zutphen

A replication of the adult-onset (AOA) and late-onset asthma (LOA) genome-wide association studies (GWAS) in the Finnish Environment and Asthma Study (FEAS) of AOA

Taina Lajunen (Oulu, Finland), Jouni Jaakkola, Maritta Jaakkola

Risk factors for allergic and non-allergic asthma in adults

Petri Tapani Räisänen (Luleå, Sweden), Helena Backman, Linnea Hedman, Ann Lindberg, Linda Ekerljung, Bright Nwaru, Eva Rönmark

An examination of measurement invariance of the Asthma Control Questionnaire among adults with severe asthma

Ron McDowell (Belfast, United Kingdom), Liam Heaney, Thomas Brown, Brendan Bunting, Hassan Burhan, Rekha Chaudhuri, Paddy Dennison, Shoaib Faruqi, Robin Gore, David Jackson, Andrew Menzies-Gow, Thomas Pantin, Mitesh Patel, Paul Pfeffer, Salman Siddiqui, John Busby

Association between Diet Quality and Frequency based on Dietary Fats and Glycaemic Index Scores with the presentation of Asthma in Young Chinese Adults in Singapore and Malaysia.

Jun Jie Lim (Singapore, Singapore), Praneeth Malipeddi, Ying Yi Eliza Lim, Jun Yan Ng, Wei Yi Teo, Ambrose Qi Yi Wong, Yi Ru Wong, Keng Foo Teh, Smyrna Moti Rawanan Shah, Yee-How Say, Kavita Reginald, Sri Anusha Matta, Yang Yie Sio, Fook Tim Chew

TP-25

Session

13:00 - 14:00

Thematic poster: Suspicion and management of pulmonary embolism

Disease(s) : Pulmonary vascular diseases Interstitial lung diseases Respiratory critical care

Method(s) : Cell and molecular biology General respiratory patient care Epidemiology Public health Imaging

Chairs : Cécile Tromeur (Locmaria Plouzané, France), Chair to be confirmed

Adjusted D-dimer cutoff levels to rule out pulmonary embolism in patients hospitalized for COPD exacerbation: results from de SLICE trial

David Jiménez Castro (Madrid, Spain), Sara Gonzalez Castro, Carmen Rodríguez Calle, Luis Jara Palomares, Eva Tabernero Huguet, Andrés Tenes Mayen, Winnifer Briceño Franquiz, Jose Luis Lobo Beristain, Raquel Morillo Guerrero, Behnood Bikdeli

Cellular indices and outcome in patients with acute venous thromboembolism.

Amina Bekki (València (Comunidad Valenciana), Spain), Alberto García-Ortega, Raquel López-Reyes, Grace Oscullo, Thais Beauperthuy, Fakiha Siddiqui, Jawed Fareed, José Daniel Gómez-Olivas, Miguel Ángel Martínez-García, Manuel Monreal

Differences in patients with pulmonary embolism according to in-hospital or home therapy: findings in the RIETE registry

Cristhian Correa (Madrid, Spain), Zichen Ji, Javier De Miguel Díez, Rodrigo Jiménez García, Ana López De Andrés, Pedro Parra, Andrei Braester, Andris Skride, María Del Carmen Díaz-Pedroche, Marina Lumbierres, Manuel Monreal

CHRONIC THROMBOEMBOLIC DISEASE AFTER ACUTE PULMONARY EMBOLISM RELATED TO SARS-CoV-2

Oswaldo Antonio Caguana Vélez (Barcelona, Spain), Oswaldo Antonio Caguana Vélez, Karys Helena Khilzi Alvarez, Juan Jose Rodríguez-Sevilla, Diana Badenes Bonet, Judith Villar Garcia, Jose Gregorio Gonzalez Garcia, Anna Herranz Blasco, Mireia Admetllo Papiol, Anna Rodo Pin, Lluís Molina Ferragut, Flavio Zuccarino, Eva Balcells Vilarnau, Diego A. Rodriguez Chiaradía

Post-COVID-19 patients show vascular sequelae that last up to 6 months

Paula Poyatos (Girona, Spain), Neus Luque, Saïoa Eizaguirre, Sònia Belda, Marc Bonnin, Mònica Sánchez, Míriam Peracaula, Ramon Orriols, Olga Tura-Ceide

Prospective study of pulmonary embolism in patients with SARS CoV-2 pneumonia with high levels of D Dimer

Joaquín Martínez Menéndez (Oviedo, Spain), Alberto Alonso Fernández, Carla Suárez Castillejo, Nuria Toledo Pons, Francisco De Borja García-Cosío Piqueras, Luisa Ramon Clar, Belén Núñez Sánchez, Sara Hermoso De Mendoza, Nestor Calvo Rado, María Antonieta Ballesteros Bizoso, Paula Argente Del Castillo Rodríguez, Daniel Morell Garcia, Aina Millán Pons, Francisco Berga Montaner, Sara Sánchez Asis, Beatriz Garcia Garcia, Jaume Ausias Pons Llinares, Luminita Marinela Preda Ungureanu, Maria Luisa Martin Pena, Juan Antonio Palmer Sancho, Jaume Sauleda Roig, Ernest Sala Llinas

Persistent dyspnoea after acute pulmonary embolism is related to perfusion defects and lower long-term quality of life

Coen van Kan (Amsterdam, Netherlands), Heleen Alblas, Suzanne Van Het Westeinde, Jasper Emmering, Andre Niezen, Ibrahim Al Butaihi, Anton Vonk Noordegraaf, Josien Van Es

An optimized D-dimer cut-off value to predict pulmonary embolism in COVID-19 patients: a retrospective study

Sophie Engels (Enschede, Netherlands), Ilonka Van Veen, Matthijs Oudkerk, Job Van Der Palen, Marjolein Heuvelmans

Barriers to outpatient management of pulmonary embolism

Thomas Knowlman (Brisbane, Australia), Robert Carroll

Post-acute prevalence of occult pulmonary embolism after hospitalisation for Covid-19

Esther L. van Voorthuizen (Nijmegen, Netherlands), Jeannette B. Peters, Jenneke Leentjens, Michel M. Van Den Heuvel, Mathias Prokop, Bram Van Den Borst

D-dimer levels on admission to predict Venous thrombotic events in patients with Covid-19

Imen ketata (Gabes, Tunisia), Sabrine Majdoub Fehri, Wafa Medi, Rahma Sellami, Hamida Kwass

A retrospective study to evaluate CTPA outcomes in COVID-19 patients at a district hospital in London

Ayah Mekhaimar (London, United Kingdom), Lia Chauhan, Ayantika Dhara, Ali A Mohammed

Anticoagulants in COVID-19: Is there a role for a D-dimer-driven dosing ?

Ömer Selim Unat (Izmir, Turkey), Ziya Karimov, Damla Serce Unat, Gizem Damar, Pakize Caglayan, Faiq Teymurlu, Mehmet Sezai Tasbakan, Pervin Korkmaz Ekren, Ozen Kacmaz Basoglu, Mustafa Hikmet Özhan, Abdullah Sayiner

Investigation of the level of knowledge about Pulmonary Embolism in the general population

Oourania Kotsiou (Larissa, Greece), Konstantinos Tourlakopoulos, Maria Tziraki, Dimitrios Raptis, Stylianos Boutlas, Georgia Rapti, Ioanna V Papathanasiou, Dimitrios Papagiannis, Zoe Daniil, Konstantinos I Gourgoulianis, Foteini Malli

TP-6	Session	13:00 - 14:00
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Thematic poster: New insights and biomarkers in COPD

Disease(s) : Airway diseases

Method(s) : Cell and molecular biology Public health General respiratory patient care Epidemiology Physiology Transplantation

Chairs : Arnaud Mailleux (Paris, France), Anita Somborac Ba ura (Zagreb, Croatia)

DNA methylation signature and epigenetic age of severe COPD

Sandra Casas Recasens (Barcelona, Spain), Nuria Mendoza, Nuria Olvera, Tamara Garcia, Oriol Sibila, Alvar Agustí, Rosa Faner

Spatial transcriptomics (ST) of cigarette smoke (CS)-induced experimental COPD

Alen Faiz (Ultimo (NSW), Australia), Hao Chen, Izabela Galvao, Chantal Donovan, Richard Kim, David Ortega, Sobia Idrees, Jonas Schulte-Schrepping, Anna Schaar, Joachim Schultze, Philip Hansbro

Sensitive and specific measurement of alpha-1 antitrypsin elastase inhibitory activity

Alfred Weber (Vienna, Austria), Andrea Engelmaier

Unique differentially expressed genes in bronchial brushes in severe COPD

Jos van Nijnatten (Groningen, Netherlands), Alen Faiz, Wim Timens, Victor Guryev, Dirk-Jan Slebos, Karin Klooster, Jorine Hartman, Tessa Kole, David F. Choy, Michele Grimbaldeston, Carrie M. Rosenberger, Irene Heijink, Simon D. Pouwels, Huib Kerstjens, Corry-Anke Brandsma, Maarten Van Den Berge

Sensitive and selective measurement of neutrophil elastase based on a new assay principle

Alfred Weber (Vienna, Austria), Gabriela Prodingler, Andrea Engelmaier

Gene expression changes in the COPD respiratory epithelium reveals widespread processes of mitochondrial dysfunction.

Ashley Heinson (Southampton, United Kingdom), Kristoffer Ostridge, Lisa Oberg, Bastian R Angerman, Graham Belfield, Maria G Belvisi, Hannah Burke, Doriana Cellura, Damla Etal, Anna Freeman, Michael Huhn, Alex Mackay, Christopher Mcrae, Daniel Muthas, Adam Platt, Mirella Spalluto, Karl J Staples, Alastair Watson, Tom M.A Wilkinson

Hypomethylation of PRSS23 (cg23771366) is associated with COPD secondary to biomass exposure

Gloria Pérez Rubio (México, Mexico), Ramcés Falfán Valencia, Omar Bravo Gutiérrez, Alejandra Ramírez Venegas, Rafael Hernández Zenteno

Genome-wide exome identifies differential profiles associated with COPD secondary to tobacco smoking and biomass-burning smoke.

Enrique Ambrocio-Ortiz (México, Mexico), Gloria Pérez-Rubio, Alejandra Ramírez-Venegas, Rafael De Jesús Hernández-Zenteno, Juan Carlos Fernández-López, María Elena Ramírez-Díaz, Filiberto Cruz-Vicente, María De Lourdes Martínez-Gómez, Julia Pérez-Ramos, Ramcés Falfán-Valencia

A lung tissue gene expression profile of severe early onset COPD

Niek Bekker (Reeuwijk, Netherlands), Jos Van Nijnatten, Peter Horvatovich, Justina Wolters, Victor Guryev, Wierd Kooistra, Marjan Reinders-Luinge, Roy Woldhuis, Wim Timens, Maarten Van Den Berge, Corry-Anke Brandsma

Blood neutrophil adhesion properties and plasma levels of acute-phase proteins in subjects with PiMM and PiZZ alpha1-antitrypsin

Urszula Lechowicz (Warsaw, Poland), Aneta Zdral, Adriana Roży, Sabina Janciauskiene, Joanna Chorostowska-Wynimko

Alpha-1 Antitrypsin Deficiency Laboratory Testing-External Quality Assessment Program AATD LABNet 2019-2021

Joanna Chorostowska-Wynimko (Warsaw, Poland), Irene Belmonte, Malika Balduyck , Tomás P. Carroll , Timm Greulich, Noel G. McElvaney, Marc Miravittles, Francisco Rodriguez-Frias, Marie-Françoise Odou, Stefania Ottaviani, Adriana Rozy, Susana Seixas, Gerard Orriols Torras, Martina Veith, Farid Zerimech, Angelo G. Corsico, Ilaria Ferrarotti

Influence of smoking on bronchial epithelial cell composition by cellular deconvolution and IHC

Senani Rathnayake (Leppington, Australia), Benedikt Ditz, Jos Van Nijnatten, Corry-Anke Brandsma, Wim Timens, Pieter Hiemstra, Nick Ten Hacken, Brian Oliver, Huib Kerstjens, Maarten Van Den Berge, Alen Faiz

The effect of COVID-19 pandemics on the comprehensive laboratory diagnostic of alpha-1 antitrypsin deficiency in Europe - report from the AATD LABNet

Joanna Chorostowska-Wynimko (Warsaw, Poland), Malika Balduyck, Tomás P. Carroll, Timm Greulich, Noel G. McElvaney, Marc Miravittles, Francisco Rodriguez-Frias, Marie-Françoise Odou, Stefania Ottaviani, David Parr, Adriana Rozy, Susana Seixas, Gerard Orriols Torras, Martina Veith, Farid Zerimech, Angelo G. Corsico, Ilaria Ilaria Ferrarotti

COPD: can genetic background inform about disease heterogeneity?

Rui Filipe Santos Marçalo (Aveiro, Portugal), Thaís Córdova, Vasco Neves, Sonya Neto, Miguel Pinheiro, Manuel A. S. Santos, Paula Simão, Aurora Mendes, Lília Andrade, Alda Marques, Gabriela R. Moura

Late Breaking Abstract - Epigenetic clock analysis shows accelerated ageing in severe early onset COPD

Maaïke de Vries (Groningen, Netherlands), Marshallon E. Martinus, Niek J. Bekker, Wierd Kooistra, Rolf H.J. Vedder, Wim Timens, Maarten Van Den Berge, Corry-Anke Brandsma

Genetic effect of SNPs in TMT2 and COPD secondary to tobacco smoking

Enrique Ambrocio-Ortiz (México, Mexico), Ramcés Falfán-Valencia, Gloria Pérez-Rubio, Alejandra Ramírez-Venegas, Rafael De Jesús Hernández-Zenteno, Julia Pérez Ramos

Genetic variants in SCGB1A1 affect sputum CC16 levels in wood smoke COPD and are associated with COPD susceptibility in smokers.

Armando Zazueta-Marquez (, Mexico), Ramcés Falfán-Valencia, Gloria Pérez-Rubio, Rafael De Jesús Hernández-Zenteno, Alejandro Ortega-Martínez, Alejandra Ramírez-Venegas

One carbon metabolic pathway and smoking mediated altered global DNA methylation in Chronic Obstructive Pulmonary Disease: A vegetarian community-based study from rural India

Suniti Yadav (New Delhi, India), Vijay Hadda, Kallur Nava Saraswathy

Late Breaking Abstract - An in depth study of morphological small airway changes in explant lungs with end stage COPD.

Charlotte de Fays (Loverval, Belgium), Vincent Geudens, Hanne Beeckmans, Astrid Vermaut, Iwein Gyselinck, Tinne Goos, Marie Vermant, Janne Kaes, Celine Aelbrecht, Karen Maes, Youssry Mohamady, Lynn Willems, Lucia Aversa, Stephanie Everaerts, McDonough John, Laurens De Sadeleer, Sophie Gohy, Wim Wuyts, Wim Janssens, Laurens Ceulemans, Dirk Van Raemdonck, Robin Vos, Charles Pilette, Ghislaine Gayan-Ramirez, Bart Vanaudenaerde

Late Breaking Abstract - Water sorption properties and nanostructures of airway mucus in patients with COPD and cystic fibrosis

Lara Marisa Poeschke (Düsseldorf, Germany), Vladislav Genevskiy, Susyn Kelly, Sebastian Bjorklund, Maik Schröder, Georg Nillius, Vitaly Kocherbitov, Stanislav Tatkov

TP-22

Session

13:00 - 14:00

Thematic poster: Diagnostics and biomarkers in lung cancer

Disease(s) : Thoracic oncology Airway diseases

Method(s) : Endoscopy and interventional pulmonology Cell and molecular biology Surgery Imaging Epidemiology General respiratory patient care

Chairs : Ilona Tietzova (Prague, Czech Republic), Dragos Bumbacea (Bucuresti, Romania)

Detection of micrometastases in mediastinal lymph nodes by haematological analyser and flow cytometry-pilot study.

Iwona Kwiecień (Warszawa, Poland), Elżbieta Rutkowska, Joanna Bednarek, Rafał Sokołowski, Agata Raniszewska, Karina Jahnz- Różyk, Piotr Rzepecki, Joanna Domagała-Kulawik

Computed tomography derived body composition analysis predicts cachexia and survival in patients with lung cancer

Teresa Kerkhoff (Essen, Germany), Johanna Pappisch, Nicolas Linder, Harald Busse, Albrecht Gläser, Sabine Taubenheim, Hartmut Kuhn, Hubert Wirtz, Armin Frille

Volatile biopsies in personalized molecular diagnosis and follow-up of lung adenocarcinoma

Aslı Tetik Vardarlı (İzmir, Turkey), Levent Pelit, Tugberk Nail Dizdas, Su Ozgur, Ceyda Aldag, Korcan Korba, Caglar Celebi, Ertan Baysal, Fusun Pelit, Ozlem Goksel, Ali Veral, Yasemin Basbınar, Cumhuri Gunduz, Tuncay Goksel

Proportion of mediastinal lymph nodes that cross predefined borders on the IASLC map.

Øyvind Yksnøy (Ålesund, Norway), Dag Arne Liaug Hoff, Bjørn Henning Grønberg, Sveinung Sørhaug

Mediastinal "deep freeze" - transcarinal lymph node cryobiopsy

Evgeni Gershman (Givataim, Israel), Alon Ikan, Barak Pertzov, Dror Rosengarten, Mordechai Kramer

Malignant pleural effusion (MPE) diagnosis with medical thoracoscopy (MT) compared with conventional approaches

Ioannis Karampinis (Athens, Greece), Georgia Hardavella, Antonios Katsipoulakis, Nikolaos Anastasiou

Correlation of PD-L1 expression on tumour cells between diagnostic biopsies and surgical specimens of lung cancer in real life with respect to biopsy techniques and neoadjuvant treatment

Daniela Gompelmann (Vienna, Austria), Katharina Sinn, Jonas Brugger, Dominik Bernitzky, Berta Mosleh, Helmut Prosch, Silvana Geleff, Alissa Blessing, Andreas Tiefenbacher, Konrad Hoetzenecker, Marco Idzko, Mir Alireza Hoda

A comparison of the biopsy techniques for tissue subtyping and molecular profiling in non-small -cell lung cancer: is tissue an issue?

Parniya Arooj (Plymouth, United Kingdom), Irfan Zaki, Maged Fayed, Hem Rai, Katherine Syred, Rob Hadden, Lindsey Taylor, Timothy Howell, Thomas Nichsolson, John Corcoran, Cyrus Daneshvar

Clarifying oligometastatic non-small cell lung cancer in patients with local ablative therapies for oligoprogression after tyrosine kinase inhibitors

Dong-gon Hyun (Seoul, Republic of Korea), Yoon Jung Jang, Wonjun Ji, Chang-Min Choi, Dae Ho Lee, Sang-We Kim, Shinkyoo Yoon, Woo Sung Kim, Jae Cheol Lee

N2 institutional consensus on Non-Small Cell Lung Cancer (NSCLC)

Hind Eid (Beirut, Lebanon), Elias Karam, Ammar Chamaa, Bassem Habr, Fadi El Karak, Hampig-Raphael Kourie, Antoine El Kik, Fares Azouri, Viviane Smayra, Noel Aoun, Joseph Kattan, Georges Chahine, Marwan Ghosn, Jad Wakim, Hussein Nasserddine, Fadi Nasr, Georges Khayat, Joseph Nakad, Carine Harmouche, Georges Dabar, Georges Tabet, Zeina Aoun, Moussa Riachy

Detection of EGFR mutation status on pleural fluid samples in patient with lung adenocarcinoma

Alessio Navarra (Harlow, United Kingdom), Anthony Maddox, Andrew Barlow, Rahul Mogal

Impact of COVID-19 (C19) on EBUS-TBNA

Muhammad Bilal Khan Niazi (Smethwick, United Kingdom), See Ling Tan, Abhimanyu Lal

Trans thoracic CT guided fine needle biopsy of pulmonary lesions, predictive factors for complications and accuracy of diagnosis

Kristina Piotkovskaya, Eva Radeka, Sven Nyrén, Reza Karimi

TP-3 Session 13:00 - 14:00**Thematic poster: Physiology and pulmonary rehabilitation****Disease(s) :** Airway diseases Respiratory critical care Sleep and breathing disorders Interstitial lung diseases Pulmonary vascular diseases**Method(s) :** General respiratory patient care Pulmonary function testing Pulmonary rehabilitation Epidemiology Palliative care Physiology Public health Imaging**Chairs :** Sarah Gephine (Pérenchies, France), Claire M. Nolan (Richmond, United Kingdom)**Frailty in the chronic respiratory patient: association with mortality in obstructive, restrictive and mixed spirometric patterns.**

Simone Scarlata (Roma (RM), Italy), Matteo Cesari, Christian Osadnik, Panaiotis Finamore, Raffaele Antonelli Incalzi, Claudio Pedone

Impact of Resistance Training by Electromyostimulation on Energy Cost of Walking and Chronotropic Reserve

Khadija Ayed (Nabeul, Tunisia), Zayneb El Guebsy, Ibtissem Dekhil, Imeddine Ben Dhia, Touhami Khelifi

The effect of airflow from a hand-held fan on breathlessness recovery from submaximal exercise

Miriam Johnson (Hull (North Humberside), United Kingdom), Sarah O'Beirne, Andrew Brew, Christina Ramsenthaler, Peter Watson, Usamah Adia, Philip Rubini, Michael Fagan, Flavia Swan, Andrew Simpson

Is sleep impaired in post-COVID syndrome vs. healthy controls? Preliminary data.

Inga Jarosch (Schönau am Königssee, Germany), Tessa Schneeberger, Antje Stegemann, Daniela Leidl, Rainer Gloeckl, Virginia Swan, Christopher Schoen, Andreas Rembert Koczulla

Nocturnal hypoventilation and respiratory muscle/cough weakness in COVID-19 ICU survivors

Ana Filipa Gonçalves (Vila Nova de Gaia, Portugal), Rodrigo Correia, Rui Santos, João Carlos Winck

Persistent symptoms up to a year after non-hospitalised Covid-19 and lung function findings in persons with persistent dyspnea.

Marta Alina Kisiel (Uppsala, Sweden), Helena Janols, Tobias Nordquist, Jonas Bergquist, Simone Hagfeldt, Andrei Malinowski, Magnus Svartengren

Spirometry outcomes in survivors of COVID-19 pneumonia

Muhammad Amin Ibrahim (Puncak Alam, Malaysia), Chee Shee Chai, Bushra Johari, Roqiah Fatmawati Abdul Kadir, Abdul Razak Muttalif, Mohammed Fauzi Abdul Rani

Persistent symptoms and spirometric abnormalities after COVID-19: A prospective cohort study

Vijay Hadda (New Delhi (Delhi), India), Tejas Suri, Anant Mohan, Saurabh Mittal, Karan Madan, Surendra Nath, Garima Srivastava, Sunil Kumar, Syam Shaji, Randeep Guleria

Frequency and clinical impact of low muscle mass in patients with asthma referred for pulmonary rehabilitation

Roy Meys (Horn, Netherlands), Felipe Machado, Martijn Spruit, Anouk Stoffels, Hieronymus Van Hees, Bram Van Den Borst, Peter Klijin, Chris Burtin, Fabio Pitta, Frits Franssen

Effect of physical conditioning evaluated in the 6-minute walk in subjects recovered from COVID-19

Laura Cornejo-Cornejo (México City, Mexico), Mariana Salvatierra-Escobar, Samanta Hernandez-Lopez, Arturo Orea-Tejeda, Dulce Gonzalez-Islas, Susana Galicia-Amor, Esperanza Trejo-Mellado, Juan Garcia-Hernandez, Iris Lopez-Vasquez, Juan Marquez-Cordero, Jorge Aguilar-Meza, Alejandra Rios-Pereda

Transcutaneous PCO₂ (TcPCO₂) in COPD patients during incremental exercise test (IET)

Wendel Dierckx (Kontich, Belgium), Kris Ides, Yinka De Meyer, Eline Lauwers, Erik Franck, Wilfried De Backer

Fatigue And Dyspnea In Young Adults Recovered From COVID-19

Özge Ertan (İstanbul, Turkey), Buket Barutçu Akinci, Eylul Pinar Kisa, Begüm Kara Kaya, Ahmet Koçyiğit, Hande Şahiner, Zeynep Hosbay

Feasibility of Peak Inspiratory Flow measurement in neuromuscular patients

Shane Hanon (Bruxelles, Belgium), Sylvia Verbanck, Dimitri Stylemans, Marc Meysman, Eef Vanderhelst

The role of NT-proBNP in patients discharged after COVID-19 pneumonia

Olha Shchudro (Dnipro, Ukraine), Lyudmyla Konopkina, Tetyana Pertseva, Larysa Botvinikova, Kesiia Bielosludtseva

Effect of oral and mental task on Time Up and Go in COPD.

Olivier Van Hove (Bruxelles, Belgium), Sarah Noel, Romain Pichon, Rolando Espinoza, Ana Maria Cebolla, Véronique Feipel, Dimitri Leduc, Gael Deboeck, Bruno Bonnechère

The effect of COVID rehabilitation on fatigue and post-exertional symptom exacerbation.

Enya Daynes (Leicester, United Kingdom), Molly M Baldwin, Matthew Annals, David Coope, Nikki Y Gardiner, Sally J Singh

Assessment of nutritional status and body composition in relation to quality of life in COPD patients.

Janos Tamas Varga (Budapest, Hungary), Monika Fekete, Zsofia Szarvas, Agnes Feher, Andrea Lehoczki

Benefits of rehabilitation on neuropsychological symptoms in patients acquiring COVID-19 in the workplace: a longitudinal study

Katrin Mueller (Chemnitz, Germany), Katharina Zwingmann, Anna-Lena Schultz, Eva Wilhelm, Rainer-Christian Weber, Ivo Berger, Michael Stegbauer

Impact of pulmonary rehabilitation on peak respiratory pressures and dyspnea of patients with pulmonary arterial hypertension

Lina Marcela Orozco Mejia (Cali, Colombia), Ricardo Mosquera, Eleonora Girón Ruiz, Julián Andrés Rivera Motta

TP-9 Session 13:00 - 14:00**Thematic poster: Asthma treatment: real-world studies and other diseases**

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Epidemiology Public health Pulmonary function testing Physiology

Chairs : Nicolas Roche (Paris, France), Ellen Tufvesson (Lund, Sweden)

Subcutaneous specific immunotherapy (SCIT) added to omalizumab in severe allergic asthma patients -efficacy and safety M.Christopoulou, J.Moisidis, L.Panteli and A.Christopoulos Asthma Clinics Private outpatient clinic Patras/Greece

Antonios Christopoulos (Patras, Greece), Mariaelpida Christopoulou, Lilia Panteli, Ioannis Moisidis, Ioannis Christopoulos

Improvement of health-related quality of life after 3 months of treatment with extrafine single-inhaler triple therapy in asthmatics: a real-world view from Germany

Christian Gessner (Leipzig, Germany), Berkhan Akyildiz, Maurice-Dominique Martini, Torben Meyer-Duderstaedt, Rembert Koczulla

Effectiveness of initiating biologics in severe asthma patients with high steroid exposure

Wenjia Chen (Vancouver, Canada), Trung N Tran , Mohsen Sadatsafavi, Esther Garcia Gil, Marianna Alacqua, Andrew Menzies Gow, Liam G Heaney, Paul E.Pfeffer, Jorge Maspero, Matthew Peters, George C Christoff, Mohit Bhutani, Carlos A.Torres-Duque, Charlotte Ulrik, Alan Altraja, Lauri Lehtimaki, Camille Taille, Andrianna I.Papaoannou, Sundeep Salvi, Richard W Costello, Giorgio Walter Canonica, Takashi Iwanaga, Mona Al-Ahmad, Desiree Larenas-Linnemann, Piotr Kuna, João A.Fonseca, Riyad Al-Lehebi, Mariko Koh Siyue, Chin Kook Rhee, Luis Perez-De-Llano, Rupert C Jones, Diahn-Warng Perng , Eileen Wang, Flavia Hoyte, Nigel Wong Chong Boon , Juntao Lyu , Con Ariti, Ruth Murray , Celine Goh, Indu Joshi, Neva Eleangovan, David Price

Complex therapy in patients with bronchial asthma on the background of gastroesophageal reflux disease (GERD)

Yevgeniya Dytyatkovska (Dniepropetrovsk, Ukraine), Ieliena Koretskaia, Natalia Nedogibchenko, Anastasiia Yevtushenko

Adolescence to early adulthood transition in French severe asthmatic children treated with omalizumab

Camille Taillé (Paris, France), Marc Humbert, Arnaud Bourdin, Ralph Niarra, Céline Thonnellier, Audrey Lajoinie, Alexandre Rigault, Mathieu Molimard, Antoine Deschildre

Specialist care among adults with asthma and frequent use of oral corticosteroids – a nationwide Danish register-study

Inge Raadal Skov (Odense, Denmark), Hanne Madsen, Jacob Harbo Andersen, Anton Pottegård, Jesper Rømhild Davidsen

Outcomes from treating rhinitis in patients with refractory breathlessness

Rachel Daly (Manchester , United Kingdom), Siobhan Ludlow, Thomas Pantin, Stephen Fowler

Real-life comparative study on the effectiveness of benralizumab, mepolizumab and omalizumab in severe allergic asthma associated with nasal polyps

Angelica TIOTIU (Nancy, France), Paula Mendez-Brea, Iulia Ioan, Rodrigo Romero-Fernandez, Jean Philippe Oster, Thi-Cam-Tu Hoang, Pauline Roux, Diana Carolina Ochoa-Gutierrez, Philippe Bonniaud, Frederic De Blay, Francisco-Javier Gonzalez-Barcala

Prevalence of anxiety and depression in patients with severe Asthma who are receiving biologic therapy.

Jane Watson (Epsom, United Kingdom), Chloe Peach, Nicola Price, Jane Evans, Adrian Draper, Sachelle Ruickbie

Suppressive effect of corticosteroid treatment on urinary levels of androgens and cortisol in mild and severe asthma

Valentyna Yasinska (Rönninge, Sweden), Cristina Gómez, Johan Kolmert, Anna James, Lars I. Andersson, Barbro Dahlén, Craig E. Wheelock, Sven-Erik Dahlén, Eva Wikström-Jonsson, (On Behalf Of The U-Biopred Study Group)

Economic impact of oral corticosteroids in severe asthmatics: a simulation study in selected European countries

Arnaud Bourdin (Montpellier Cedex 5, France), Elisabeth H Bel, Barbro Dahlén , Ratko Djukanovic, Enrico Heffler, Piotr Kuna, Renaud Louis, Celeste Porsbjerg, David Ramos-Barbon , Sabina Škrat, Giacomo Matteo Bruno, Sergio Di Matteo , Chiara Martinotti, Giorgio Lorenzo Colombo , Thomas Paulsson, Barbara Mascialino

Assessing variation in severe asthma care in England: a national benchmarking study

James Rose (Reading, United Kingdom), Seema Gadhia, Marianna Lepetyukh, Ben Williams, Hitasha Rupani, Grainne D'Ancona

Using clusters of asthmatic patients to quantitatively estimate, prior to initiating treatment, the likelihood of 2-agonist response in asthma patients

Edgar Delgado-Eckert (Basel, Switzerland), Cindy Thamrin, Ian Town, D Robin Taylor, Urs Frey

Clinical Characteristics and Disease Burden of Severe Asthma According to Oral Corticosteroid Dependence: Real-World Assessment from the Korean Severe Asthma Registry (KoSAR)

Ji-Hyang Lee (Seoul, Republic of Korea), Hyo-Jung Kim, Chan Sun Park, So Young Park, So-Young Park, Hyun Lee, Sang-Heon Kim, You Sook Cho

Prevalence of asthma-COPD overlap in COPD and severe asthma cohorts

Hyonsoo Joo (Seoul, Republic of Korea), So-Young Park, So Young Park, Seo Young Park, Sang-Heon Kim, You Sook Cho, Kwang Ha Yoo, Ki Suck Jung, Chin Kook Rhee

Adherence to inhalers and asthma control assessed by two validated self-reported questionnaires.

Silviya Novakova (Plovdiv, Bulgaria), Plamena Novakova

Impact of baseline characteristics on clinical remission achievement in severe asthma

Christian Domingo Ribas (Sabadell (Barcelona), Spain), Ian Pavord, David Bañas Conejero, Robert G. Price, Alison Pullan, John Oppenheimer, Liam G. Heaney, Hiroyuki Nagase, Emilio Pizzichini, Peter Howarth, Frances Gardiner

Innovation in drug development: applying human factors to understand asthmatic patients' needs.

Marta Lombardini (Parma, Italy), Giulia Marengi, Francesco Bianchi

Analysis of the tolerance and safety of inhaled antibiotics and hypertonic saline solution in patients with bronchial hyperreactivity

Andrea Carolina Perez Figuera (Madrid, Spain), Rosa Nieto Royo, Raquel Morillo Guerrero, Carlos Almonacid Sánchez, Aurora Solier López, Esther Barbero Herranz, Diego Durán Barata, Beatriz Pintado Cort, Diurbis Velasco Álvarez, Luis Máiz Carro

Comorbidities in severe and non-severe asthma: a nationwide population-based observational study

Hannu Kankaanranta (Seinäjoki, Finland), Arja Viinanen, Pinja Ilmarinen, Juha Mehtälä, Tero Ylisaukko-Oja, Juhana J Idänpään-Heikkilä, Lauri Lehtimäki

TP-15

Session

13:00 - 14:00

Thematic poster: Finding the way to a correct asthma diagnosis**Disease(s) :** Airway diseases**Method(s) :** General respiratory patient care Pulmonary function testing Cell and molecular biology Epidemiology Physiology**Chairs :** Erol Gaillard (Leicester (Leicestershire), United Kingdom), Carmen Cornelia Maria de Jong (Bern, Switzerland)**Asthma diagnosis in children by real-time breath analysis**

Alexander Möller (Zürich, Switzerland), Srdjan Micic#, Houssni Lamkaddam#, Yvette Baumann, Prince Tiwari, Peter Horvath, Andre Stephan Henry Prevot, Imad El Haddad

Pulmonary function characteristics in children with suspected asthma: implications for asthma diagnosis

Mireu Park (seoul, Republic of Korea), Yun Young Roh, Ha Min Kim, Jae Hwa Jung, Soo Yeon Kim, Jong Deok Kim, Yong Ju Lee, Min Jung Kim, Yoon Hee Kim, Kyung Won Kim, Myung Hyun Sohn

Post-bronchodilator 1-FEV1/FEV3 as a measure of small airway dysfunction in childhood asthma

Hamin Kim (Seoul, Republic of Korea), Mireu Park, Yun Young Roh, Jae Hwa Jung, Jong Deok Kim, Yoon Hee Kim, Myung Hyun Sohn, Kyung Won Kim, Soo Yeon Kim

Normal reference values of Fractional Exhaled Nitric Oxide (FeNO) in healthy Indian primary school children

Neha Mohan Rao (Birmingham, United Kingdom), Sanjay Bafna, Bhakti Sarangi, Prasad Nagakumar, Satish Rao

Ethnic differences in daily FeNO response after systemic steroids in children with severe asthma

Ioannis Makariou (London, United Kingdom), Andrew Bush, Sejal Saglani, Valentina Fainardi, Cara J Bossley, Louise Fleming

Forced Oscillation Technique (FOT) in school-aged healthy children

Afnan AlRaimi (Leicester, United Kingdom), Pooja Devani, Caroline Beardsmore, Erol Gaillard

Pre- and post-bronchodilator Forced Oscillation Technique in preschool children with acute wheeze in the emergency department.

Malak Alshlowi (Alkhobar, Saudi Arabia), Pooja Devani, Afnan Alraimi, Caroline Beardsmore, Erol Gaillard

Forced Oscillation Technique (FOT) and spirometry in school aged children with stable asthma

Afnan AlRaimi (Leicester, United Kingdom), Pooja Devani, Malak Alshlowi, Caroline Beardsmore, Erol Gaillard

Sensitivity and specificity of the Forced Oscillation Technique (FOT) in school aged children with stable asthma

Afnan AlRaimi (Leicester, United Kingdom), Pooja Devani, Malak Alshlowi, Caroline Beardsmore, Erol Gaillard

Peak inspiratory flow in children with exercise induced laryngeal obstruction

Ioannis Makariou (London, United Kingdom), Serena Rhamie, Andrew Bush, Sejal Saglani, Louise Fleming, Samatha Sonnappa

Paediatric breath VOC analysis using the ReCIVA breath sampler and batch effects

Erol Gaillard (Leicester (Leicestershire), United Kingdom), Kirandeep Bhavra, Mike Wilde, Matt Richardson, Rebecca Cordell, Paul Thomas, Bo Zhao, Luke Bryant, Christopher Brightling, Wadah Ibrahim, Dahlia Salman, Salman Siddiqui, Paul Monks

The role of cardiopulmonary exercise testing to evaluate exercise induced dyspnoea in asthmatic children

Elizabeth Scotney (Harpenden, United Kingdom), Ridma Jayarathna, Latika Gupta, Andrew Bush, Sejal Saglani, Louise Fleming, Samatha Sonnappa

Urinary eosinophil-derived neurotoxin in wheezing and asthmatic children

Jimmy Omony (Neuherberg, Germany), Clemens Thölken, Azam Salimi, Kristina Laubhahn, Markus Weckmann, Ruth Grychtol, Dominik Thiele, Matthias Volkmar Kopp, Gesine Hansen, Harald Renz, Erika Von Mutius, Bianca Schaub, Chrysanthi Skevaki

Small airways dysanapsis in overweight/obese asthmatic children

Maria Cristina Gimena Donth Leger (ciudad Autonoma de Buenos Aires, Argentina), (), Magdalena Vocos, Anahí Kruger, Doris Sofia Primrose, Marcela Roque, Gabriela Andrada, Carlos Tomás Velasco Suarez, Tania Vanessa Florez Gonzalez, Juan Manuel Figueroa Turienzo

Serum Eosinophil-Derived Neurotoxin (EDN) is a Promising Biomarker for Recurrent Wheezing and Asthma in Preschool Children

Niclas Rydell (Uppsala, Sweden), Taiga Kobori, Mizuho Nagao, Robert Movérare, Helena Ekoff, Anders Sjölander, Magnus P Borres, Takao Fujisawa

Serum Eosinophil-Derived Neurotoxin is Associated with Symptom Severity During Acute Wheeze in Preschool Children

Niclas Rydell (Uppsala, Sweden), Taiga Kobori, Mizuho Nagao, Robert Movérare, Anders Sjölander, Helena Ekoff, Magnus P Borres, Takao Fujisawa

Handgrip strength in adolescence - sex differences, determinants, and associations with Asthma-related Traits

Laura Hesselberg (København N, Denmark), Julie Nyholm Kyvsgaard, Jakob Stokholm, Klaus Bønnelykke, Hans Bisgaard, Bo Chawes

Feasibility of Airwave Oscillometry in Preschool Children with Acute Wheeze in the Emergency Department

Malak Alshlowi (Alkhobar, Saudi Arabia), Pooja Devani, Afnan Alraimi, Caroline Beardsmore, Erol Gaillard

Influence of age on skin sensitization in atopic children

Hela Cherif (Tunis, Tunisia), Nouha Guediri, Slim Kalboussi, Mariem Triki, Hend Khouani, Ferdaous Yangui, Med Rida Charfi

Late Breaking Abstract - Exhaled air metabolome analysis for childhood asthma fingerprints identification - the preliminary study

Andrzej Swinarew (Chorzów, Poland), Grzegorz Brożek, Agnieszka Jarosińska, Jan E. Zejda, Jadwiga Gabor, Paweł Raif, Szymon Skoczylski, Jarosław Paluch

13:00-14:00

INDUSTRY LUNCHTIME SYMPOSIUM

SEE PAGE 1

Studio

Session

13:00 - 14:30

Online skills lab: Paediatric lung function and sleep measurements

Aims : to describe the physiology, indications, technical aspects and criteria for quality acceptability of lung function and sleep measurements; to discuss the interpretation of different lung function tests and results and polysomnography fragments and results; to discuss the clinical implication of lung function and polysomnography results using clinical cases.

Target audience : Paediatrician

Chairs : Refika Hamutcu Ersu (Ottawa, Canada), Nicole Beydon (Paris, France)

13:00 Introduction

13:05 Static lung volumes and spirometry measurements

Christiane Lex (Goettingen, Germany)

13:18 Clinical case: spirometry and a bronchodilator

Christiane Lex (Goettingen, Germany)

13:25 Multiple breath washout

Paul Robinson (Sydney (NSW), Australia)

13:38 Clinical case: multiple breath washout technique in children

Paul Robinson (Sydney (NSW), Australia)

13:45 Scoring sleep and respiratory events using polysomnography

Stijn Verhulst (Antwerpen, Belgium)

13:58 Clinical case: voting on polysomnography tracings

Stijn Verhulst (Antwerpen, Belgium)

14:05 Sleep studies

Hui Leng Tan (London, United Kingdom)

14:18 Clinical cases: differences between polysomnography and polygraphy
Hui Leng Tan (London, United Kingdom)

14:25 Conclusion

14:00-14:45

INDUSTRY SKILLS LAB WORKSHOP

SEE PAGE 1

8H (live-streamed)

Session

14:15 - 15:45

Symposium: Cell death modalities regulating the onset and progression of chronic lung diseases
The therapeutic potential of modulating cellular fate

Aims : to explain the relevance of different cell death modalities upon lung tissue damage in the development of various chronic lung diseases, including chronic obstructive pulmonary disease (COPD), interstitial lung disease and COVID-19; to differentiate between different cell death modalities and the underlying molecular mechanisms; to describe the immunological and pathological consequences of different cell death modalities; to explain the role of specific cell death modalities in the pathophysiology of chronic lung diseases; to provide insight into the therapeutic potential of cellular fate regulation in chronic lung diseases.

Disease(s) : Airway diseases Interstitial lung diseases Respiratory infections

Method(s) : Cell and molecular biology

Tag(s) : Translational

Target audience : Clinical researcher, Medical Student, Paediatrician, Pathologist, Scientist (basic, translational)

Chairs : Silke Meiners (Sülfeld, Germany), Reinoud Gosens (Groningen, Netherlands)

14:15 Introduction to cell death modalities and their role in the progression of chronic lung diseases
Simon D. Pouwels (Zuidhorn, Netherlands)

14:30 The role of mechanical and cellular stress in lung injury and airway remodeling
Jin-Ah Park (Boston, United States)

14:45 Clinical importance of cell death modalities in COPD: from necroptosis to ferroptosis
Ken Bracke (Ghent, Belgium)

15:00 Regulation of necroptosis as novel therapeutic strategy for inflammation in lung diseases
Speaker to be confirmed

15:15 Discussion and Q&A

8G (live-streamed)

Session

14:15 - 15:45

Symposium: What I learnt from COVID-19 to better manage my current patients
Onboarding of COVID-19 practices to improve non-COVID-19 care pathways and outcomes

Aims : to discuss lessons learnt from COVID-19 that can be implemented to improve respiratory care or access to care pathways beyond the COVID-19 pandemic.

Disease(s) : Airway diseases Paediatric respiratory diseases Respiratory critical care

Method(s) : General respiratory patient care Pulmonary rehabilitation Respiratory intensive care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Paediatrician, Physician in Pulmonary Training, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist, Journalist

Chairs : Anita Simonds (London, United Kingdom), Thierry Troosters (Leuven, Belgium)

14:15 Management of severe acute respiratory failure
Stefano Nava (Bologna (BO), Italy)

14:30 How will digital health change care of obstructive lung disease patients after the pandemic?
Niels H. Chavannes (Leiden, Netherlands)

14:45 Rehabilitation accessible to all
Anne Holland (Fitzroy North (VIC), Australia)

15:00 Care of children with chronic respiratory disease
Monika Gappa (Düsseldorf, Germany)

15:15 Discussion and Q&A

8N

Session

14:15 - 15:30

Oral presentation: Biomarkers and beyond in lung cancer**Disease(s)** : Sleep and breathing disorders Thoracic oncology**Method(s)** : Cell and molecular biology Surgery Endoscopy and interventional pulmonology General respiratory patient care Imaging**Chairs** : Rudolf M. Huber (Munich, Germany), Joanna Domaga a-Kulawik (Warszawa, Poland)**Quantitative proteomics indicates radical removal of non-small cell lung cancer and predicts outcome**

Embla Bodén (Lund, Sweden), Jesper Andreasson, Gabriel Hirdman, Oskar Hallgren, Franziska Olm, Sandra Lindstedt

Prophylactic use of mini tracheostomy in patients with comorbidities undergoing lung resection

Ioannis Karampinis (Athens, Greece), Georgia Hardavella, Antonios Katsipoulakis, Nikolaos Anastasiou

Relationship between clinicopathologic characteristics and spread through air spaces in resected lung adenocarcinoma and squamous cell carcinoma cases

Tugba Nur Tezvergil (Ankara, Turkey), Ulku Yilmaz

Predictive Role of Granzyme B-containing CD8 T cells in Non-small cell lung cancer patients treated with Immunotherapy

Yun Seong Kim (Yangsan city (Kyeongsang Nam-do), Republic of Korea), Tae Hwa Kim, Doosoo Jeon, Seong Hoon Yoon, Jae Heun Chung, Hee Yun Seol

Subtype-specific transcription factors are clinically relevant and show distinct therapeutic vulnerabilities in human small cell lung cancer

Christian Lang (Vienna, Austria), Zsolt Megyesfalvi, Beata Szeitz, Andras Lantos, Nicole Woldmar, Zsuzsanna Valko, Anna Schwendenwein, Felicitas Oberndorfer, Nandor Barany, Sandor Paku, Viktoria Laszlo, Helga Kiss, Edina Bugyik, Bence Ferencz, Katalin Dezso, Zoltan Lohinai, Judit Moldvay, Janos Fillinger, Gabriella Galfy, Christopher Rivard, Fred R. Hirsch, Luka Brcic, Helmut Popper, Izidor Kern, Mile Kovacevic, Jozef Skarda, Marcel Mittak, Attila Marcell Szasz, Luciana Pizzatti, Krisztina Bogos, Mir Alireza Hoda, Konrad Hoetzenecker, Gyoergy Marko-Varga, Peter Horvatovics, Ferenc Renyi-Vamos, Thomas Klikovits, Karin Schelch, Melinda Rezel, Balazs Döme

IGFBP3 inhibits tumour growth and invasion of H1299 lung cancer cells and leads to improved survival in patients with lung cancer

Armin Frille (Leipzig, Germany), Hartmut Kuhn, Marie Anna Petersen, Jonas Meyer, Lukas Hofmann, Albrecht Gläser, Sabine Taubenheim, Sebastian Krämer, Johannes Broschewitz, Maximilian Von Laffert, Hubert Wirtz

Extracellular vesicles derived from lung cancer cells exposed to intermittent hypoxia promote M2 macrophage polarization through miR-20a-5p/PTEN/Akt pathway

Yuanling Liu (GuangZhou, China), Gang Xu, Congrui Feng, Yuluo Chen, Huake Sun, Feng Liu, Wei Ma

On-chip human microvasculature assay to study extravasation dynamics of lung cancer cells

Soheila Zeinali (Bern, Switzerland), Karin F. Rechberger, Christelle Dubey, Rrahim Gashi, Thomas M. Marti, Patrick Dorn, Olivier T. Guenat

Discussion

8F

Session

14:15 - 15:30

Oral presentation: What is hot in interstitial lung diseases**Disease(s)** : Interstitial lung diseases Sleep and breathing disorders**Method(s)** : General respiratory patient care Epidemiology Physiology Pulmonary function testing**Chairs** : Wim A Wuyts (Leuven, Belgium), Fernanda Ines Hernandez Gonzalez (Barcelona, Spain)**Assessment of a relationship between prognostic biomarkers and treatment response in ISABELA1 &2 IPF cohorts**

Matthew Randall (Basel, Switzerland), Simon De Bernard, Ineke Seghers, Nadia Verbruggen, Sharlene Lim, Bernt Van Den Blink, Claus Andersen, Philippe Pujuguet, Niyati Prasad, Paul Ford, Yasmina Bauer

Nocturnal hypoxaemia is associated with mortality in patients with fibrotic interstitial lung disease

Katherine Myall (London, United Kingdom), Jennifer Martinovic, Zhe Wu, Jodie Lam, Diana Roque, Victor Jardim, David J Jackson, Eui-Sik Suh, Toby Maher, Philip Molyneaux, Brian Kent, Alex West

Outcomes of patients managed in specialised compared to non-specialised ILD centres

Michael Kreuter (Heidelberg, Germany), Pavo Marijic, Larissa Schwarzkopf, Werner Maier, Franziska Trudzinski, Lars Schwettmann

Predicting treatment response in patients with interstitial lung disease using electronic nose technology

Iris G. van der Sar (Rotterdam, Netherlands), Catharina C. Moor, Brigitte P.M. Vellekoop, Marlies S. Wijsenbeek

Family history of ILD predicts pulmonary function decline in IPF patients

Tinne Goos (Leuven, Belgium), Marie Vermant, Laurens J. De Sadeleer, Kenneth Verstraete, Nico De Crem, Ellen De Langhe, Adriana Dubbeldam, Erik K. Verbeken, Johny Verschakelen, Birgit Weynand, Jonas Yserbyt, Sascha Vermeer, Stijn E. Verleden, Wim A. Wuyts

Association of mUC5B rs35705950 minor allele with age and survival in European patients with Idiopathic Pulmonary Fibrosis

Joanne van der Vis (Nieuwegein, Netherlands), A. Prasse, E. Renzoni, C.J.W. Stock, C. Caliskan, T.M. Maher, F. Bonella, R. Borie, B. Crestani, M. Petrek, W.A. Wuyts, A. Wind, P.L. Molyneaux, J.C. Grutters, C.H.M. Van Moorsel

Nationwide prospective registry of idiopathic interstitial pneumonias with central multidisciplinary diagnosis in Japan (JIPS Registry): Analysis of disease progression

Takahi Ogura (, Japan), Ryo Okuda, Nobuhisa Ishikawa, Takafumi Suda, Naoki Arai, Takahisa Takihara, Megumi Hamaguchi, Yasuhiro Kondoh, Mikio Toyoshima, Keisuke Tomii, Mitsuhiro Abe, Motoyasu Kato, Michiko Kagajo, Yasuo Shimizu, Hiromi Tomioka, Kodai Kawamura, Kojiro Honda, Yasuhiko Nishioka, Motoaki Tanigawa, Hiroshi Chiba, Shinyu Izumi, Kazunori Tobino, Hiroyoshi Yamauchi, Tetsuharu Kawamura, Minoru Inomata, Kazuhiro Usui, Hirotsugu Ohkubo, Hidekaze Matsushima, Yoshitaka Oyamada, Takeshi Jokoh, Toru Arai, Tae Iwasawa, Fumikazu Sakai, Satoshi Morita, Naoaki Ichihara, Toshihiro Nukiwa, Kunihiro Kobayashi, Jips Registry Members

Late Breaking Abstract - An interim analysis of a phase 2 trial evaluating oral nalbuphine extended release for treating chronic cough in idiopathic pulmonary fibrosis

William Forbes (New Haven, United States), Toby M. Maher, Enoch Bortey, Thomas Sciascia

Late Breaking Abstract - Additive effect of BI 1015550 and nintedanib in patients with IPF

Luca Richeldi (Roma, Italy), Arata Azuma, Vincent Cottin, Christian Hessleringer, Susanne Stowasser, Claudia Valenzuela, Marlies Wijsenbeek, Daniel Wachtlin, Donald Zoz, Toby Maher

Late Breaking Abstract - Interim results from AIR, an open-label, single arm, 36-week ph 2 trial of C21 in subjects with idiopathic pulmonary fibrosis

Rohit Batta (Maidenhead, United Kingdom), Toby Maher, Cecilia Ganslandt, Göran Tornling, Thomas Bengtsson, Himanshu Pophale, Elin Rosendahl

Discussion

8M

Session

14:15 - 15:30

Oral presentation: Chronic airway diseases: from phenotypes to severity**Disease(s)** : **Airway diseases** **Respiratory critical care****Method(s)** : Cell and molecular biology Epidemiology Physiology Endoscopy and interventional pulmonology Imaging Pulmonary rehabilitation Pulmonary function testing General respiratory patient care**Chairs** : Petros Bakakos (Athens, Greece), Mona Bafadhel (London, United Kingdom)**The Upper and Lower Airway Microbiome in Severe Asthma**

Maisha Jabeen (Oxford, United Kingdom), Nicholas Sanderson, Clair Barber, Laurie C K Lau, Ian D Pavord, Anoop Chauhan, Paul Klenerman, Teresa Street, Peter Howarth, Timothy S C Hinks

Comparison of the influence of omalizumab and mepolizumab on airway remodeling in severe asthma patients with evaluation of detection techniques: endobronchial ultrasound (EBUS) and high-resolution computed tomography (HRCT)

Marek Przybyszowski (Kraków, Poland), Weronika Zastrzeżyńska, Agnieszka Gawlewicz-Mrocza, Iwona Gross-Sondej, Jacek Zarychta, Stanisława Bazan-Socha, Grażyna Bochenek, Jerzy Soja, Krzysztof Śladek

Radiomics for severe asthma phenotyping and endotyping

Paolo Montuschi (Roma (RM), Italy), Nazanin Zounemat Kermani, Giuseppe Macis, Per S Bakke, Massimo Caruso, Pascal Chanez, Ratko Djukanovic, Stephen J Fowler, Yi-Ke Guo, Ildiko Horvath, Peter H Howarth, Anke I Maitland-Van Der Zee, Mario Malerba, Graham Roberts, Marek Sanak, Dominic Shaw, Susan J Wilson, Salman Siddiqui, Sven-Erik Dahlen, Kian Fan Chung, Ian M Adcock, , On Behalf Of The U-Biopred Study Group

Risk factors for corticosteroid- and antibiotic only-treated asthma attacks in the NOVELTY cohort

Simon Couillard (Sherbrooke, Canada), Stefan Peterson, Thomas Bengtsson, Maarten Van Den Berge, David Price, Richard Beasley, Mohsen Sadatsafavi, Christer Janson, Alberto Papi, Laura Belton, Malin Fagerås, Hana Müllerová, Ian D Pavord

A primary ciliary dysfunction might be present in severe asthma

Céline Kempeneers (Liège, Belgium), Romane Bonhiver, Noemie Bricmont, Maud Pirotte, Françoise Guissard, Catherine Moermans, Marie-Christine Seghaye, Renaud Louis, Florence Schleich

Alterations of humoral immune response in the bronchi of rapid decliners with chronic obstructive pulmonary disease

Francesca Dossena (Gattinara, Italy), Antonino Di Stefano, Isabella Gnemmi, Vitina Carriero, Francesca Bertolini, Francesco Nucera, Silvestro Ennio D'Anna, Mauro Maniscalco, Paola Brun, Alessio Piraino, Antonio Spanevello, Bruno Balbi, Gaetano Caramori, Fabio Lm Ricciardolo

Influence of parental disease phenotypes and smoking on fractional exhaled nitric oxide values in offspring

Suneela Zaigham (Malmö, Sweden), Randi Jacobsen Bertelsen, Shyamali Dharmage, Vivi Schlünssen, Nils Oskar Jögi, Leopoldo Palacios-Gomez, Mathias Holm, Anna Oudin, Michael Abramson, Torben Sigsgaard, Rain Jögi, Cecilie Svanes, Anna-Carin Olin, Bertil Forsberg, Christer Janson, Elisabet Nerpin, Ane Johannessen, Andrei Malinowski

Neither baseline blood nor sputum eosinophils predict future exacerbations in the SPIROMICS cohort

Annette Hastie (Winston-Salem, United States), Pedro Miguel Quibrera, David Couper, Neil Alexis, Igor Barjaktarevic, Jeffrey Curtis, Eugene Bleeker

Stability of sputum eosinophil cell counts in COPD

Augusta Beech (Manchester, United Kingdom), Natalie Jackson, Dave Singh

Late Breaking Abstract - Clinical predictors and phenotypic associations of mucus plugging in moderate to severe asthma

Rory Chan (Glasgow, United Kingdom), Chary Duraikannu, Brian Lipworth

Discussion

8L

Session

14:15 - 15:30

Oral presentation: Best of imaging research: highlights in 2022

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#)

Method(s) : Imaging Pulmonary function testing Physiology

Chairs : Helmut Prosch (Wien, Austria), Ádám Domonkos Tárnoki (Budapest, Hungary)

Machine Learning analysis of human pulmonary extracellular matrix architecture identifies disease-specific remodeling patterns

Thomas Kromann Lund (Copenhagen NV, Denmark), Monica Jane Emerson, Oliver Willacy, Chris Madsen, Raphael Reuten, Christian Beltoft Brøchner, Anders Bjorholm Dahl, Thomas Hartvig Lindkaer Jensen, Janine Terra Erler, Alejandro Enrique Mayorca-Guiliani

Airway inter-tapering and tortuosity predict mortality in idiopathic pulmonary fibrosis

Ashkan Pakzad (London, United Kingdom), Wing Keung Cheung, Nesrin Mogulkoc, Recep Savas, Daniel C. Alexander, Yipeng Hu, John R. Hurst, Joseph Jacob

Ultra-high-resolution photon-counting CT of the lungs: a comparative study

Valerie Van Ballaer (Leuven, Belgium), Adriana Dubbeldam, Lesley Cockmartin, Emanuele Muscogiuri, Johan Coolen, Walter Coudyzer, Walter De Wever

Deep learning model for the quantification of lung abnormalities in ILD patients

Akshayaa Vaidyantahan (Liege, Belgium), Flore Belmans, Francois Blistein, Ingrid Van Peufflik, Wim Vos, Sean Walsh, Mariaelena Occhipinti, Julien Guiot

Longitudinal lung function assessment of patients hospitalised with COVID-19 using 1H and 129Xe lung MRI

Laura Saunders (Hope Valley, United Kingdom), Guilhem Collier, Ho-Fung Chan, Paul Hughes, Laurie Smith, James Watson, Zoë Gabriel, James Meiring, Megan Plowright, Thomas Newman, James Eaden, Jody Bray, Helen Marshall, David Capener, Leanne Armstrong, Jennifer Rodgers, Martin Brook, Alberto Biancardi, Madhwesha Rao, Graham Norquay, Oliver Rodgers, Ryan Munro, Neil Stewart, Gisli Jenkins, James Grist, Fergus Gleeson, Fred Wilson, Anthony Cahn, Andy Swift, Smitha Rajaram, Gary Mills, Lisa Watson, Paul Collini, Rod Lawson, Roger Thompson, Jim Wild

Patient acceptability of dynamic chest radiography compared to pulmonary function testing

Fred Fyles (Liverpool, United Kingdom), Ryan Robinson, Fathimath Farah Shiham, Karl Hunter, Catherine Lowe, Hassa Burhan

Longitudinal chest-CT findings after moderate to critical COVID-19 pneumonia

Antine Flikweert (Breda, Netherlands), Arthur Du Mee, Ingrid De Backer, Simone van der Sar

Association of CT imaging and clinical definitions of chronic bronchitis in the COPD phenotyping study

Marisa Fat (Sacramento, United States), Seoncheol Park, Feridoun Abtin, Jonathan Phillips, John Belperio, Donald Tashkin, Christopher Cooper, Igor Barjaktarevic

Comparison of 19F-MRI, CT and spirometry in a patient with airways disease

Charlotte Holland (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Mary Neal, Ben Pippard, Ian Forrest, Rod Lawson, Holly F. Fisher, John N.S. Matthews, Kieren G. Hollingsworth, A. John Simpson, Jim. M Wild, Pete E. Thelwall

Discussion**8C (live-streamed) Session 14:15 - 15:45****Clinical cases: Lungs on fire: Pulmonary vascular diseases?**

Aims : To facilitate the presentation of real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

Disease(s) : Pulmonary vascular diseases Respiratory infections

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Nurse, Physician in Pulmonary Training, Radiologist, Respiratory critical care physician, Medical Student

Chairs : Mona Lichtblau (Zürich, Switzerland), Marc Humbert (Le Kremlin-Bicêtre, France), Laurent Bertoletti (Saint Etienne Cedex, France)

Discussants : Silvia Ulrich (Zurich, Switzerland), David Jiménez Castro (Madrid, Spain)

14:15 Case 1 incl. panel discussion and Q&A - Author: R. O'Loughlin (Ireland)
Silvia Ulrich (Zurich, Switzerland)

14:37 Case 2 incl. panel discussion and Q&A - Author: L. Tregidgo (United Kingdom)
David Jiménez Castro (Madrid, Spain)

14:59 Case 3 incl. panel discussion and Q&A - Author: N. Boyle (Ireland)
Silvia Ulrich (Zurich, Switzerland)

15:21 Case 4 incl. panel discussion and Q&A - Author: S. Cullivan (Ireland)
David Jiménez Castro (Madrid, Spain)

8A (live-streamed) Session 14:15 - 15:45**State of the art session: Respiratory infections**

Aims : to review the most relevant topics related to respiratory infection in 2021–2022.

Disease(s) : Respiratory infections

Method(s) : Cell and molecular biology Public health Pulmonary rehabilitation

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Nurse, Respiratory critical care physician, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist, Journalist

Chairs : Eva Polverino (Barcelona, Spain), Holly R. Keir (Dundee (Angus), United Kingdom), Giovanni Sotgiu (Sassari, Italy)

14:15 The lung microbiome and pneumonia: is dysbiosis the new pathway to investigate these infections ?
Leopoldo N. Segal (New York
New York, NY, United States)

14:45 The role of new diagnostics in managing mycobacterial infections
Daniela Maria Cirillo (Milano (MI), Italy)

14:30 How new vaccine technology can modify the history of respiratory infections
Tobias Welte (Hannover, Germany)

15:00 New drugs and regimens in tuberculosis
Christoph Lange (Borstel, Germany)

15:15 Discussion and Q&A

8D Session 14:30 - 16:50**Skills workshop: SW3 Exercise, muscle and sleep assessment and interpretation: tips and pitfalls**
Tips and pitfalls in exercise, muscle and sleep assessment

Aims : To describe “typical” patterns of responses to exercise, muscle and sleep and to determine methods to distinguish these responses from “anomalous” response profiles that can cause misinterpretation of test results.

Disease(s) : Sleep and breathing disorders

Method(s) : Imaging Physiology Pulmonary function testing Pulmonary rehabilitation Respiratory intensive care

Tag(s) : Clinical

Chairs : Pierantonio Laveneziana (Paris, France)

14:30 Introduction

14:30 Cardiopulmonary exercise testing: breathing patterns and dynamic hyperinflation
Pierantonio Laveneziana (Paris, France)

14:30 Respiratory and locomotor muscle testing in clinical practice
Daniel Langer (Leuven, Belgium)

14:30 From different pathophysiological traits revealed by polysomnography to treatment indications or combination of therapies
Manuel Sanchez De La Torre (Lleida, Spain)

14:30 Implementation, titration and follow-up of positive airway pressure in patients with obstructive sleep apnoea
Athanasia Pataka (Thessaloniki, Greece)

Studio Session 14:45 - 16:15

Language session: Spanish/Portuguese programme 2022

A joint ERS/ALAT/SBPT/SEPAR/SPP session

Aims : There has been a significant evolution in the screening, diagnosis, staging, and treatment and these issues were not be the object of presentations in the sessions of the last years.

Disease(s) : Thoracic oncology

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Nurse, Respiratory critical care physician, Pathologist, Radiologist, Thoracic oncologist, Thoracic surgeon

Chairs : António Manuel Morais (Maia, Portugal), Carlos Robalo Cordeiro (Coimbra, Portugal), Maria Joana Pereira Catarata (Porto, Portugal), Sebastian Lamot (Neuquen, Argentina), Irma De Godoy (BOTUCATU, Brazil), Juan Pablo de Torres Tajés (Kingston, Canada)

14:45 Lung Cancer Screening- time to move forward?
Luis Miguel Seijo Maceiras (Madrid, Spain)

15:00 Intervention Bronchoscopy in the diagnosis and staging of Lung Cancer
Lucia Carolina Viola Muñoz (Bogotá, Colombia)

15:15 Immunotherapy-based strategies
Gustavo Faibischew Prado (São Paulo (SP), Brazil)

15:30 Targeted therapy-based strategies
Maria Gabriela Oliveira Fernandes (Matosinhos, Portugal)

15:45 Discussion and Q&A

8F Session 15:45 - 17:00

Oral presentation: New respiratory physiological tests and home assessment of sleep disturbed breathing in children

Disease(s) : Sleep and breathing disorders Airway diseases

Method(s) : Physiology General respiratory patient care Public health Pulmonary function testing

Chairs : Nicole Beydon (Paris, France), Stijn Verhulst (Antwerpen, Belgium)

Sleep apnoea in school-age children living at high and low altitude

Mirjam Grimm (Samedan, Switzerland), Anina Seglias, Lucie Ziegler, Maamed Mademilov, Elvira Isaeva, Kubanych Tynybekov, Aigerim Tilebalieva, Nargiza Osmonbekova, Gulzada Mirzalieva, Kamila Magdieva, Aijan Taalibekova, Simone Buenzli, Michael Furian, Talant Sooronbaev, Silvia Ulrich, Konrad E. Bloch

OSA -18 questionnaire in Down children with OSA compared to non-syndromic OSA children

Silke Anna Theresa Weber (Botucatu (SP), Brazil), Suzana Tanni, Karina Santos, Ana Julia Santos, Jefferson L De Barros, Antonio Carlos Marão, Catia Rb Fonseca

Home cardiorespiratory sleep studies in children and young people: experience of a UK Regional Service

Shweta Natarajan (Birmingham, United Kingdom), Andrea Bradbury, James Baird, Daniel Wilkinson, Andrew Prayle, David Thomas, Matthew Hurley

Evaluation of Paediatric Inpatient and Outpatient Transcutaneous Carbon Dioxide Monitoring (TOSCA) using leg versus ear lobe fixation.

Aditi Sinha (Manchester, United Kingdom), Philip Lawrence, Debbie Large, Christopher Grime, Ruth Trinick

Modified hypoxic challenge testing in children who need nocturnal ventilation: an observational study

Martin Samuels (London, United Kingdom), Mollie Riley, Stephanie Brotherston, Paula Kelly, Katharine Pike

THE IMPACT OF NEW SPIROWARE V3.3.1 SOFTWARE ON THE INTERPRETATION OF CROSS-SECTIONAL N2MBW DATA IN SICKLE CELL ANEMIA

Michele Arigliani (London, United Kingdom), Mollie Riley, Paul Aurora

Effects of a volatile compound filter on breath profiles measured by real time high resolution mass spectrometry

Leo Thanikkel (Aesch-Zh, Switzerland), Ronja Weber, Sophia Moeller, Jerome Kaeslin, Yvette Baumann, Nathan Perkins, Srdjan Micic, Alexander Möller

Novel capnographic inhomogeneity indices in preterm infants and infants with cystic fibrosis

Anne-Christianne Kentgens (Grindelwald, Switzerland), Sotirios Fouzas, Marion Curdy, Yasmin Salem, Marc-Alexander Oestreich, Sophie Yammine, Philipp Latzin

Discussion

8N

Session

15:45 - 17:00

Oral presentation: COVID-19 acute respiratory distress syndrome

Disease(s) : Respiratory critical care Airway diseases Interstitial lung diseases

Method(s) : Physiology Respiratory intensive care Imaging Public health General respiratory patient care Epidemiology Pulmonary function testing Transplantation

Chairs : Christian Karagiannidis (Cologne, Germany), Annemijn Jonkman (Rotterdam, Netherlands)

Usefulness of day-one chest X-ray score for predicting mortality and ICU admission in COVID-19 patients

THI TRIEU NGHI HOANG (HOCHIMINH-CITY, VIETNAM, Vietnam), Hai Dang Tran, Duc Tuan Tran, Manh Cuong Dang, Tra-My Ton-Nu, Le Hong Minh Trinh, Huu Hanh Nhi Le, Nga My Le Thi, Trinh Tran Cong, Dong Nhat Nam Dong, Anh-Tuan Dinh-Xuan

Predictive value of ultrasonic diaphragm thickening score combined with P0.1 in patients with mechanical ventilation

Tao Yang (Changchun (Jilin), China), Wenwen Han

Synchronous diaphragm neurostimulation reduced mechanical work required to ventilate pigs with ARDS

Elizabeth Rohrs (Surrey, Canada), Thiago Bassi, Karl Fernandez, Jessica Wittmann, Michelle Nicholas, Marlena Ornowska, Matt Gani, Steven Reynolds

Diaphragm neurostimulation attenuates hippocampal pro-inflammatory microglia percentage in an ARDS porcine model

Thiago Bassi (Burnaby, Canada), Elizabeth Rohrs, Karl Fernandez, Michelle Nicholas, Marlena Ornowska, Matt Gani, Doug Evans, Steven Reynolds

Improved atelectasis and lung homogeneity with diaphragm neurostimulation during mechanical ventilation in pigs with ARDS

Elizabeth Rohrs (Surrey, Canada), Thiago Bassi, Karl Fernandez, Jessica Wittmann, Michelle Nicholas, Marlena Ornowska, Matt Gani, Steven Reynolds

Estimation of transdiaphragmatic pressure using the airway occlusion in critically ill patients

Heder de Vries (Amsterdam, Netherlands), Pieter Tuinman, Annemijn Jonkman, Angelique De Man, Harm-Jan De Grooth, Leo Heunks

When should lung transplant be considered for severe COVID-19 associated ARDS?

Ofir Deri (Petach Tikva, Israel), Sumit Chatterji, Lior Seluk, Nadav Furie, Inbal Shafran, Ronen Mass, Leonid Sternik, Ehud Raannani, Ran Kremer, Yigal Kassif, Eyal Nachum, Nona Zeitlin, Jonathan Frogel, Milton Saute, Amir Onn, Alex Kogan, Liran Levy

One year overview of follow-up in a post-covid consultation of critical patients with covid-19

Jessica Gonzalez Gutierrez (Lleida, Spain), Maria Zuñil, Iván D. Benítez, Maria Aguilà, Sally Santistevé, Fatty Seck, Anna Moncusí-Moix, Clara Gort-Paniello, Antoni Torres, Ferran Barbé

Late Breaking Abstract - The efficacy and safety of intravenous imatinib in invasively ventilated patients with COVID-19 related acute respiratory distress syndrome (InventCOVID): a multicentre, randomised, double-blinded, placebo-controlled, phase II clinical study.

Leila Atmowihardjo (Amsterdam, Netherlands), Job Schippers, Erik Duijvelaar, Imke Bartelink, Pierre Bet, Nienke Van Rein, Keith Purdy, David Cavalla, Alexia Flamarion, Andrew Mcelroy, Sarah Fritchley, Matty Koopmans, Harm Jan Bogaard, Leo Heunks, Nicole Juffermans, Marcus Schultz, Pieter Roel Tuinman, Henrik Endeman, Patricia Van Velzen, Lieuwe Bos, Jurjan Aman

Discussion**8L Session 15:45 - 17:00****Oral presentation: Hot topics in connective tissue disease-associated interstitial lung disease**

Disease(s) : [Interstitial lung diseases](#)

Method(s) : General respiratory patient care Epidemiology Pulmonary function testing Cell and molecular biology Imaging

Chairs : Bruno Crestani (Paris, France), Katerina Antoniou (Heraklion, Greece)

Progression of systemic sclerosis-associated ILD (SSc-ILD) and effect of nintedanib in subgroups by monocyte and neutrophil counts

Michael Kreuter (Heidelberg, Germany), Christopher P Denton, Lawrence A Ho, Rachel K Hoyles, Ian Glaspole, Takafumi Suda, Corinna Miede, Margarida Alves, Toby M Maher

Cohort enrichment strategies for progressive interstitial lung disease in systemic sclerosis from EUSTAR

Anna Maria Hoffmann-Vold (Oslo, Norway), Cathrine Brunborg, Paolo Airò, Lidia P Ananyeva, László Cziráj, Serena Guiducci, Eric Hachulla, Mengtao Li, Carina Mihai, Gabriela Riemekasten, Petros P Sfikakis, Gabriele Valentini, Otylia Kowal-Bielecka, Yannick Allanore, Oliver Distler

Plasma-derived exosomal miRNAs as non-invasive biomarkers for lung involvement in systemic sclerosis

Makon-Sébastien Njock (Liège, Belgium), Monique Henket, Pierre Jacquerie, Catherine Moermans, Dominique De Seny, Michel Malaise, Renaud Louis, Julien Guiot

Extensive autoantibody panel in Systemic sclerosis associated Interstitial Lung Disease

Carmel Stock (London, United Kingdom), Benjamin Seeliger, Paolo Cameli, Maria Kokosi, Vasilis Kouranos, Peter George, Philip Molyneaux, Felix Chua, Voon Ong, David Abraham, Christopher Denton, Gisli Jenkins, Athol Wells, Jacqueline Donovan, Elena Bargagli, Antje Prasse, Torsten Witte, Elisabetta Renzoni

Persistent inflammation in systemic sclerosis is strongly associated with mortality: a EUSTAR database analysis

Sabina A. Guler (Bern, Switzerland), Adela-Cristina Sarbu, Odile Stadler, Yannick Allanore, Vera Bernardino, Jörg H.W. Distler, Armando Gabrielli, Anna-Maria Hoffmann-Vold, Marco Matucci-Cerinic, Ulf Müller-Ladner, Vera Ortiz-Santamaria, Simona Rednic, Valeria Riccieri, Vanessa Smith, Susanne Ullman, Ulrich Walker, Thomas Geiser, Oliver Distler, Britta Maurer, Florian Kollert

Effects of nintedanib in patients with systemic sclerosis-associated ILD (SSc-ILD) and differing levels of lung function impairment

Athol Wells (London, United Kingdom), Wim A Wuyts, Sven Gläser, Alfredo Guillen-Del-Castillo, Hilario Nunes, Masaki Okamoto, Rozeta Simonovska, Margarida Alves, Kristin B Highland

Lung involvement in early rheumatoid arthritis, interim analysis of the FINDRA prospective study

Antoine Froidure (Bruxelles, Belgium), Marie Perrot, Benoît Ghaye, Deniz Zan, Aleksandra Avramovska, Maria Stoenoiu, Marie Doyen, Sandra Koenig, Patrick Durez

Serum KL-6 improves prediction of progressive phenotype (PP) at one year independently of underlying interstitial lung disease (ILD): results from the VAMOS study.

Francesco Bonella (Düsseldorf, Germany), Maria Carmen Vegas Sanchez, Diego Castillo Villegas, Paloma Millan-Billi, Eva Gottstein, Olga Sánchez Pernaute, Elena Bargagli, Maria Molina Molina

Predictors of Interstitial Lung Disease (ILD) in patients with Idiopathic Inflammatory Myopathy-associated (IIM)

Elisabetta Balestro (Padova (PD), Italy), Elisabetta Cocconcelli, Elisabetta Zanatta, Serena Bellani, Gioele Castelli, Simone Petrarulo, Luca Iaccarino, Paolo Spagnolo

Discussion**8M Session 15:45 - 17:00****Mini symposium: Tobacco control during the pandemic**

Aims : to review the epidemiology and trends of tobacco, e-cigarette use during the pandemic, highlighting the novel methods developed in cessation; to discuss the recent changes in regulations such as about synthetic nicotine and menthol; to review the tobacco industry tactics during the pandemic; to stress the need for effective regulation to prevent tobacco industry pharmaceutical transformation of the industry.

Disease(s) : Airway diseases Paediatric respiratory diseases Respiratory infections

Method(s) : Epidemiology Public health General respiratory patient care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, General practitioner, Medical Student, Paediatrician, Patient, Scientist (basic, translational), Journalist, Medical Technical Assistant, Nurse, Respiratory physiotherapist, Thoracic oncologist, Thoracic surgeon

Chairs : Ane Johannessen (Bergen, Norway), Jonathan Grigg (London, United Kingdom)

15:45 Implications of menthol, aromas and tobacco free nicotine alternatives
Paraskevi Katsaounou (Athens, Greece)

16:00 Pharmaceutical transformation of the industry
Aslı Görök Dilektaşlı (Bursa, Turkey)

16:15 Exposure of children to tobacco advertising; what more do we have to do?
Alexander Möller (Zürich, Switzerland)

16:30 Discussion and Q&A

8C (live-streamed) Session 16:00 - 17:30

Symposium: Update on pulmonary embolism management

Aims : to discuss guidelines that help identify risk factors for pulmonary embolism (PE) and venous thromboembolism (VTE); to debate definitions and their major impact on management of the disease (extended vs. short-term anticoagulant therapy); to assess the adequacy of these risk factors and whether treatment with direct-acting oral anticoagulants should reconsider any of them; to review the scores and data available to help decide when to continue or suspend anticoagulant treatment; to review the risk of thrombosis associated with COVID-19; to describe anticoagulation regimens used to treat VTE and prophylaxis to prevent recurrence in hospitalised patients; to explain the proper anticoagulation strategies for hospitalised COVID-19 patients and define the proper anticoagulation for outpatients in the active or convalescent phase of infection.

Disease(s) : Pulmonary vascular diseases Respiratory infections Thoracic oncology

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Respiratory critical care physician, Physician in Pulmonary Training, Thoracic oncologist, Thoracic surgeon, Respiratory therapist

Chairs : Mona Lichtblau (Zürich, Switzerland), Marc Humbert (Le Kremlin-Bicêtre, France), Laurent Bertoletti (Saint Etienne Cedex, France)

16:00 Cancer-associated thrombosis: case fatality rates and scores to balance the risks and benefits of long-term anticoagulant treatment
Marc Carrier (Ottawa (ON), Canada)

16:15 Prevention and treatment of pulmonary embolism related to COVID-19
Stéphane Zuily (Vandoeuvre-lès-Nancy, France)

16:30 Relevance of the term “provoked” in the management of PE: PRO
Francis Couturaud (Brest, France)

16:45 Relevance of the term “provoked” in the management of PE: CON
Remedios Otero Candelera (Sevilla, Spain)

17:00 Discussion and Q&A

8G (live-streamed) Session 16:00 - 17:30

Symposium: Post-critical care long COVID: reducing the physical and emotional toll Pathophysiological mechanisms, assessments and therapeutic options in patients with long COVID following intensive care unit admission

Aims : to discuss the pathophysiological mechanisms of post-intensive care unit (ICU) long COVID; to explore how to wean from mechanical ventilation and the therapeutic modalities of inpatient physiotherapy and outpatient rehabilitation; to discuss the psychological and cognitive aspects of post-ICU long COVID, particularly the assessment and support of these patients.

Disease(s) : Respiratory critical care Respiratory infections**Method(s) :** General respiratory patient care Pulmonary rehabilitation Respiratory intensive care**Tag(s) :** COVID**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist, Journalist**Chairs :** Anita Simonds (London, United Kingdom), Thierry Troosters (Leuven, Belgium)**16:00 Patient's testimony**
Grant McIntyre (, United Kingdom)**16:05 Pathophysiology of post-ICU long COVID syndrome**
Negin Hajizadeh (Madrid, Spain)**16:20 Prolonged mechanical ventilation and physiotherapy for COVID patients in ICUs**
Nicholas Hart (London, United Kingdom)**16:35 Managing anxiety, depression and cognitive impairment to promote recovery**
Tracy Vannorsdall (Baltimore, United States)**16:50 Rehabilitation modalities to address physical morbidity and support recovery**
Mara Paneroni (Mazzano (BS), Italy)**17:05 Discussion and Q&A****8H (live-streamed)****Session****16:00 - 17:30****Symposium: Reflections from the 2022 Lung Science Conference****Aims :** The ERS Lung Science Conference is at the forefront of basic and translational respiratory science, and it is an essential event for budding respiratory researchers looking to boost their career. It offers a unique opportunity to network with peers from across the globe and aims to present cutting-edge abstracts on novel experimental lung research. The Lung Science Conference 2022 took place on March 10–13 in Estoril, Portugal with the following overarching theme: “Mucosal immunology of the lung: Balancing protective immunity and chronic inflammation”. This session features a selection of scientific presentations that were given at this conference. In addition, the session highlights the winners of the William MacNee Award for young presenters (40 years old or less at the time of the Conference) who submitted an outstanding abstract, and of the Geoffrey Laurent Award for the Best Oral presentation.**Disease(s) :** Airway diseases Interstitial lung diseases**Method(s) :** Cell and molecular biology**Tag(s) :** Basic science**Target audience :** Clinical researcher, Medical Student, Scientist (basic, translational)**Chairs :** Reinoud Gosens (Groningen, Netherlands), Silke Meiners (Stülfeld, Germany)**16:00 The discovAIR project: a roadmap to the Human Lung Cell Atlas.**
Malte Lücken (Oberschleissheim, Germany)**16:15 Human CD116+ foetal liver progenitors migrate to the perinatal lung and give rise to alveolar macrophages in vivo**
Elza Evren (Stockholm, Sweden)**16:22 Inflammatory blood neutrophils in COPD stem from activated bone marrow progenitors**
Theodore Kappelos (Mannheim, Germany)**16:29 Local and systemic response to SARS-CoV-2 infection in children and adults**
Kerstin Meyer (Cambridge, United Kingdom)**16:44 Virus-provided protection against allergic asthma**
Laurent Gillet (Liège, Belgium)**16:59 Discussion and Q&A****8B (live-streamed)****Session****16:00 - 17:30****Hot topics: The future of inhalation therapy in COPD****Aims :** To update colleagues on novel findings in inhalation therapy in COPD in order to provide them with current and future knowledge in the field.

Disease(s) : Airway diseases**Method(s) :** Epidemiology General respiratory patient care Physiology**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Paediatrician, Physician in Pulmonary Training, Respiratory physiotherapist, Journalist**Chairs :** Martin Kolb (Hamilton (ON), Canada), Darren Teichman (Boston, United States), Louise Donnelly (London, United Kingdom)**16:00 Novel inhaled bronchodilators**
Mario Cazzola (Roma (RM), Italy)**16:15 Novel inhaled anti-inflammatory drugs and inhaled monoclonal antibodies**
Paola Rogliani (Roma (RM), Italy)**16:30 Inhaled vaccines and inhaled antimicrobial agents**
Gary P. Anderson (Parkville (VIC), Australia)**16:45 Evolution in pulmonary drug delivery devices**
Omar S. Usmani (London, United Kingdom)**17:00 Discussion and Q&A****8A (live-streamed) Session 16:00 - 17:30****Clinical cases: Lungs on fire: Respiratory infections?****Aims :** To facilitate the presentation of real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.**Disease(s) :** Respiratory infections**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Physician in Pulmonary Training, Respiratory critical care physician, Radiologist, Nurse, Medical Student**Chairs :** Eva Polverino (Barcelona, Spain), Holly R. Keir (Dundee (Angus), United Kingdom), Giovanni Sotgiu (Sassari, Italy)**Discussants :** Daiana Stolz (Basel, Switzerland), James D. Chalmers (Dundee (Angus), United Kingdom)**16:00 Case 1 incl. panel discussion and Q&A - Author: M. Saad (Italy)**
Daiana Stolz (Basel, Switzerland)**16:22 Case 2 incl. panel discussion and Q&A - Author: S. Yuvarajan (India)**
James D. Chalmers (Dundee (Angus), United Kingdom)**16:44 Case 3 incl. panel discussion and Q&A - Author: D. Rodrigo (Sri Lanka)**
Daiana Stolz (Basel, Switzerland)**17:06 Case 4 incl. panel discussion and Q&A - Author: S. Wickramasinghe (Sri Lanka)**
James D. Chalmers (Dundee (Angus), United Kingdom)**Studio Session 16:30 - 17:30****Online skills lab: Hypoxic challenge and oxygen assessments****Aims :** to provide skills and background knowledge needed to perform the hypoxic challenge test and oxygen assessments utilising blood gas analysis according to best practice and in accordance with the latest recommendations; to describe the basic principles, techniques and associated physiology for performance of the hypoxic challenge test, oxygen assessments and arterial/capillary blood gas analysis; to discuss standardisation of test performance in accordance with the latest best practice guidelines; to provide background knowledge needed to perform the tests, compile reports and interpret the results; to provide technical and physiological knowledge needed to perform the tests.**Chairs :** Maria Bonsignore (Palermo, Italy), Karl Sylvester (Cambridge (Cambridgeshire), United Kingdom)**16:30 Blood gases**
Julie Lloyd (Birmingham (West Midlands), United Kingdom)**16:45 Q&A**
Julie Lloyd (Birmingham (West Midlands), United Kingdom)

- 16:50 Oxygen assessment**
Magnus Ekström (Lund, Sweden)
-
- 17:05 Q&A**
Magnus Ekström (Lund, Sweden)
-
- 17:10 Hypoxic challenge**
Rachel Ong-Salvador (Amsterdam, Netherlands)
-
- 17:25 Q&A**
Rachel Ong-Salvador (Amsterdam, Netherlands)
-

18:00-19:30

INDUSTRY EVENING MINI-SYMPOSIUM

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18:00-19:30

INDUSTRY EVENING SYMPOSIUM

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18:00-19:00

INDUSTRY VIRTUAL SYMPOSIUM

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8D Session **08:00 - 10:20****Skills workshop: SW4 Cardiopulmonary rehabilitation beyond the basics**

Aims : To describe diagnostic methods and interventions that enhance the comprehensiveness of cardiopulmonary rehabilitation programmes and contribute to a more patient-tailored approach; to describe methods of assessing physical activity level in patients referred for cardiopulmonary rehabilitation and methods of providing cognitive behavioural therapy to promote physical activity; to describe neuromuscular electrical stimulation and the patients referred for cardiopulmonary rehabilitation who could benefit from this treatment; and to describe the incorporation of mindfulness-based interventions into cardiopulmonary rehabilitation and their outcomes.

Disease(s) : **Airway diseases**

Method(s) : Pulmonary rehabilitation

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Respiratory therapist, Medical Student, Medical Technical Assistant, Nurse, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Journalist

Chairs : Heleen Demeyer (Leuven, Belgium)

08:00 Introduction

08:00 Physical activity assessment and intervention
Chris Burtin (Diepenbeek, Belgium)

08:00 Neuromuscular electrical stimulation
Anouk W. Vaes (Horn, Netherlands)

08:00 Frailty assessment and intervention
Roberto Benzo (Rochester, United States)

08:00 Mindfulness interventions during cardiopulmonary rehabilitation
Ingeborg Farver-Vestergaard (Vejle, Denmark)

08:00-09:15

INDUSTRY EARLY MORNING SYMPOSIUM

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08:00-08:45

INDUSTRY SKILLS LAB WORKSHOP

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INDUSTRY VIRTUAL SYMPOSIUM

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08:00-09:15

INDUSTRY EARLY MORNING MINI-SYMPOSIUM

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8F Session **08:15 - 09:30****Oral presentation: Monitoring the effect of therapy with CFTR modulators**

Disease(s) : **Airway diseases**

Method(s) : Pulmonary function testing Epidemiology Imaging General respiratory patient care Cell and molecular biology

Chairs : Mirjam Stahl (Berlin, Germany), Chair to be confirmed

Volume of trapped gas in adolescents with cystic fibrosis starting CFTR modulator thera

Marie-Pier Dumas (Toronto, Canada), Renee Jensen, Michelle Shaw, Aviva West, Samal Munidasa, Brandon Zanette, Jason Woods, Paul D. Robinson, Giles Santyr, Felix Ratjen

Long-term benefits of early initiation of ivacaftor (IVA) in people with cystic fibrosis (CF): interim results from an ongoing registry-based study

Mark Higgins (London, United Kingdom), Nataliya Volkova, Thalia Farietta, Meng Liu, Runyu Wu, Alexander Elbert, Susan C. Charman, Andrew Lee, Steven Cunningham

Long-term effectiveness of dual CFTR modulator treatment of Cystic Fibrosis

Danya Muilwijk (Utrecht, Netherlands), Domenique Zomer, Vincent Gulmans, Rene Eijkemans, Kors Van Der Ent

A multimodal MRI protocol for structure and functional lung, gut and liver imaging in cystic fibrosis (CF) for children aged 6 and above.

Christabella Ng (Nottingham, United Kingdom), Naaventhana Palaniyappan, Zachary Peggs, Alex Yule, Christopher Bradley, Neele Dellschaft, Jonathan Brooke, Luca Marciani, Robin Spiller, Guruprasad Aithal, Caroline Hoad, Susan Francis, Penny Gowland, Ian Hall, Andrew Prayle, Alan R Smith

Multivolume Magnetic Resonance Imaging (MRI) to assess response to triple-combination Elexacaftor/Tezacaftor/Ivacaftor (ETI) in the lung of patients with Cystic Fibrosis (CF)

Francesca Pennati (Milano (MI), Italy), Irene Borzani, Erica Nazzari, Maria Chiara Russo, Giulia Bischetti, Chiara Rosazza, Calogero Sathya Sciarabba, Alessandra Mariani, Gianpaolo Carrafiello, Andrea Aliverti, Carla Colombo

Efficacy of elexacaftor/tezacaftor/ivacaftor therapy assessed by lung ultrasound

Uros Krivec (Ljubljana, Slovenia), Marina Praprotnik, Malena Aldeco, Dušanka Lepej, Aleksandra Zver, Jasna Rodman Berlot, Saša Setina Šmid, Špela Dolenc, Jana Lozar Krivec

Breath profiles in cystic fibrosis children treated with CFTR modulators

Elias Seidl (München, Germany), Johann-Christoph Licht, Gitte Slingers, Rianne De Vries, Felix Ratjen, Hartmut Grasemann

Elexacaftor-tezacaftor-ivacaftor (ETI) treatment improves Lung Clearance Index (LCI) in patients with Cystic Fibrosis (CF) independently from baseline respiratory function

Sonia Volpi (, Italy), Francesca Lucca, Riccardo Guarise, Antonella Borruso, Monica Signorini, Marco Cipolli

Effect of ELX/TEZ/IVA treatment on lung ventilation in children with cystic fibrosis – comprehensive assessment using spirometry, MBW, structural and functional lung MRI

Carmen Streibel (Bern, Switzerland), Christoph Corin Willers, Orso Pusterla, Grzegorz Bauman, Oliver Bieri, Enno Stranzinger, Ben Brabant, Philipp Latzin, Elisabeth Kieninger

Late Breaking Abstract - A multimodal cell atlas of the pediatric lower airway

Melanie Neeland (Parkville, Australia), Shivanthan Shanthikumar, Jovana Maksimovic, Alicia Oshlack, Sarath Ranganathan

Discussion

8L

Session

08:15 - 09:30

Oral presentation: Digital medicine for COVID-19

Disease(s) : Airway diseases Sleep and breathing disorders Interstitial lung diseases Pulmonary vascular diseases Respiratory critical care

Method(s) : Epidemiology General respiratory patient care Public health Imaging Pulmonary rehabilitation Pulmonary function testing

Chairs : Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Omar S. Usmani (London, United Kingdom)

Developing a multivariate prediction model for the detection of COVID-19 from crowd-sourced respiratory voice data.

Wafaa Aljbawi (Amstelveen, Netherlands), Sami Simons, Visara Urovi

Deep learning-based hybrid clinical decision support system algorithm for COVID-19 diagnosis via PCR graphics and Thorax CT images, preliminary data

Elvan Burak Verdi (ANKARA, Turkey), Memetcan Gok, Deniz Dogan Mülazimoglu, Merve Begum Terzi, Aslihan Gurun Kaya, Serhat Erol, Ozlem Isik, Onur Utku Guvendik, Caglar Uzun, Atilla Halil Elhan, Zeynep Ceren Karahan, Alpay Azap, Akin Kaya, Orhan Arikian, Ozlem Ozdemir Kumbasar

Telemedicine implementation for management of COVID-19 patients at hospital admission: a single center experience

AYCAN YUKSEL (Ankara, Turkey), Nalan Ogan, Ceren Ilgar, Esen Sayin Gülensoy, Hale Çolakoğlu Er, Samet Altunbaş, Evrim Eylem Akpınar

Altea: Improving Long COVID affected people's quality of life by knowledge and experience sharing

Natalie Rangelov (Wallisellen, Switzerland), Michael Schlunegger

Continuous cough monitoring with AI. Cases: treatment response, smoking cessation and COVID-19

Mindaugas Galvosas (Vilnius, Lithuania), Juan C. Gabaldón-Figueira, Virginia Orrillo, Isabel Blavía, Juliane Chaccour, Alejandro Fernandez-Montero, Nita Umashankar, Nuria Armendáriz, Francisco Javier Bartolomé, Eric M. Keen, Joe Brew, Peter M Small, Simon Grandjean Lapierre, Carlos Chaccour

Process evaluation of the Dutch COVID-19 QR code app: an example of citizen science

Esther I. Metting (Groningen, Netherlands), Bart Noort, Wolfgang Ebberts, Lotty Hooft, Joris Van Hoof

Demand for hospital-based telemedicine services among outpatients during the Covid-19 outbreak

Qi Tan (Nanjing (Jiangsu), China), Yan Chen, Cheng Zhang, Chun-Yu Li, Megan Murray

Self-monitoring using multimodal connected devices in patients with COVID-19 confined at home

Jean-Louis Pépin (Grenoble, France), Mallory Cals-Maurette, Rui-Yi Yang, Pierre Escourrou, Valéry ELIE

Tele-medicine in home treatment with physical therapy in the Sars-cov2 pandemic

Simonetta Vernocchi (Gallarate, Italy), Andreas Aceranti, Davide Emedoli, Teresa Serini

Late Breaking Abstract - Detecting COVID-19 through cough audio analysis: Pilot study initial results

Shrawan Patel (New York, United States), Freya Cristea, Jack Hanson, Neroli Anderson, Vesa Peltonen, John May, Paul Porter, Tony Keating

Discussion**8N Session 08:15 - 09:30****Oral presentation: Cardiopulmonary exercise and challenge testing: utilisation and safety implications****Disease(s) :** Airway diseases Interstitial lung diseases Pulmonary vascular diseases**Method(s) :** Physiology Pulmonary function testing General respiratory patient care Pulmonary rehabilitation**Chairs :** Karl Sylvester (Cambridge (Cambridgeshire), United Kingdom), Aisling McGowan (Dublin 15, Ireland)**Cardiopulmonary exercise test & risk assessment in lung resection surgery: A Tunisian experience**

Hana Mrassi (Tunis, Tunisia), Nozha Ben Salah, Hana Blibech, Houda Snene, Mahdi Abdennadher, Line Kaabi, Soumaya Debliche, Nadia Mehiri, Taher Mestiri, Adel Marghli, Bechir Louzir

Evaluation of covid-19 lung involvement effect on exercise capacity in the 3rd and 6th months

Elif Yilmazel Uçar (Erzurum, Turkey), Omer Araz, Bugra Kerget, Kadir Ozmen, Metin Akgun, Leyla Saglam

Transition to a physiologist led cardiopulmonary exercise testing (CPET) service and evaluation of one year outcomes

Sara Mearthur (Edinburgh (Edinburgh), United Kingdom), Jill Macleod, Shaun Baxter, Kristofor Cuthbert

Comparing peripheral capillary oxygen saturation during a six-minute walk test with arterial saturation during a cardiopulmonary exercise test

Liv Karin Vesteng (Jessheim, Norway), Christine Gudim Karlsen, Anita Grongstad

NICE asthma guidelines: time to re-evaluate the diagnostic value of exercise challenge testing?

Oliver Price (Leeds, United Kingdom), Andrew Simpson

The role of transcutaneous carbon dioxide measurement during exercise.

Rachel Ong-Salvador (Amsterdam, Netherlands), Patrick Jak, Rolien Bekkema, Joost Van Den Aardweg

Effects of tidal expiratory flow limitation on lung functions, exercise limitation and symptoms severity in stable COPD

Amit Kiran Rath (Raipur, India), Vikas Kumar, Dibakar Sahu, Sajal De

Recovery after histamine provocation: predictive power of gender and body mass index

Catharina C de Vreede (Delft, Netherlands)

Methacholine challenge: Safety of the quadrupling protocol

Irene Steenbruggen (Zwolle, Netherlands), Peter De Laat

Late Breaking Abstract - Adopting the 2019 ATS/ERS spirometry guidelines in clinical trials: impact on site and patient burden.

Philip Lake (Monmouth (Gwent), United Kingdom), Kevin McCarthy, Dawn Patterson, Marc-Aurel Baumle, Reza Farienfar, Jose Ramos

Discussion**TP-25 Session 08:30 - 09:30****Thematic poster: Diagnosis and epidemiology in pulmonary hypertension****Disease(s) :** Pulmonary vascular diseases**Method(s) :** Epidemiology General respiratory patient care Public health Pulmonary rehabilitation Physiology Respiratory intensive care Pulmonary function testing Imaging Cell and molecular biology

Chairs : Frédéric Lador (Genève 14, Switzerland), Marion Delcroix (Leuven, Belgium)

Fully automatic deep learning pulmonary hypertension diagnosis using CT pulmonary angiography

krit Dwivedi (Sheffield, United Kingdom), Michael Sharkey, Kavitasagary Karunasaagarar , Christopher S. Johns, Smitha Rajaram, Pankaj Garg, Dheyaa Alkhanfar, Samer Alabed, Peter Metherall, Jonathan Taylor, Rob J. Van Der Geest, Robin Condliffe, Michail Mamalakis, David G. Kiely, Andrew J. Swift

Concordance between hemodynamic variables and echocardiographic in patients from the Colombian pulmonary hypertension network

Rafael Enrique Conde Camacho (Bogotá, Colombia), Alejandro Londoño, Manuel Pacheco, Carlos Jaime Velásquez, Ricardo Gómez-Palau, Diana Tiga, Juliana De Luque, Alba Ramírez-Sarmiento, Mauricio Orozco-Levi

External validation of machine learning prediction model for pulmonary hypertension due to left heart disease

Kenneth Verstraete (Leuven, Belgium), Katleen Swinnen, Claudia Baratto, Maarten De Vos, Marko Topalovic, Guido Claessen, Rozenn Quarck, Catharina Belge, Jean-Luc Vachieri, Wim Janssens, Marion Delcroix

Identification of pulmonary arterial hypertension patients in coded healthcare databases: a clinical evaluation study

Eva-Maria Didden (Allschwil, Switzerland), Di Lu, Andrew Hsi, Haley Hedlin, Monika Brand, Roham T. Zamanian

Completeness of right heart catheterization procedures-comparison of community hospitals and a PH center

Karen M Olsson, Da-Hee Park, Jan C Kamp, Jan Fuge, Marius M Hoepfer

Hypochromic erythrocytes as prognostic indicator of survival among patients with systemic sclerosis screened for pulmonary hypertension

Ojan Gordjani (Gelnhausen, Germany), Panagiota Xanthouli, Christina Eichstadt, Nicola Benjamin, Benjamin Egenlauf, Satenik Harutyunova, Alberto Marra, Vivienne Theobald, Nicklas Milde, Christian Nagel, Norbert Blank, Hanns-Martin Lorenz, Ekkehard Grünig

INFLUENCE OF LUNG IMPAIRMENT ON ONSET OF PULMONARY HYPERTENSION IN PATIENTS WITH COVID-19-ASSOCIATED PNEUMONIA

Olha Shchudro (Dnipro, Ukraine), Mariia Krykhtina, Kseniia Bielosludtseva, Konopkina Lyudmila, Botvnikova Larysa

Conduction disease in IPAH: prevalence and clinical implications

Ashwin Reddy (Cambridge, United Kingdom), Sarah Nethercott, Wen Teh, Eekart De Bie, Joanna Pepke-Zaba, Claire Martin, Mark Toshner

CT-derived vascular pruning assessment in portopulmonary hypertension

Emmy Mai (Cincinnati, United States), Jose Gomez-Arroyo, Akshay Pillai, Christine Zhou, Kaitlin Snapp, Sharp-Dimitri Demetrio, Dana Kay, Amin Raouf, Jean Elwing, Arun Jose, Mylavarapu Goutham

Multidimensional CT approach to predict hemodynamics in PH

Pedro Alves da Silva (Lisboa, Portugal), Joana Brito, Pedro Silverio-Antonio, Sara Couto Pereira, Beatriz Valente Silva, Ana Margarida Martins, Beatriz Garcia, Catarina Oliveira, Tatiana Guimarães, Nuno Lousada, Fausto J Pinto, Rui Plácido

Serum uric acid and long-term survival in patients with pulmonary arterial hypertension(group 1 and 4) – results from a single pulmonary hypertension centre in Slovenia

Anže Žgank (Ljubljana, Slovenia), Barbara Salobir, Matevž Harlander, Polona Mlakar, David Lestan, Matjaž Turel, Janez Toplišek, Vojka Gorjup, Irene Lang

Genetics in pulmonary arterial hypertension

Stephanie Lua (Glasgow, United Kingdom), Harrison Stubbs, Alexander Maclellan, Melanie Brewis, Colin Church, Martin Johnson

The right ventricle as treatment target in pulmonary arterial hypertension

Lucas Celant (Amstelveen, Netherlands), Lilian Meijboom, Harm Jan Bogaard, Frances S De Man, Anton Vonk Noordegraaf

Characteristics of risk strata in patients diagnosed with pulmonary hypertension in Colombia.

Mauricio A. Orozco-Levi (Barcelona, Spain), Juliana De Luque, Diana Tiga-Loza, Rafael Conde, Alejandro Londoño, Manuel Pacheco, Carlos Jaime Velásquez, Angie Pabón, Ricardo Gómez-Palau, Julián Cortés-Colorado, Alba Ramírez-Sarmiento

Phenotyping Pulmonary Hypertension in Costa Rican population: Epidemiology and treatment response.

Adriana Valverde Zuñiga (Heredia, Costa Rica), Marlene Jimenez Carro, Benjamin Ramirez Cisneros

Incidence and outcomes of pulmonary hypertension in the Republic of Ireland

Sarah Cullivan (Dublin, Ireland), Brian Mccullagh, Sean Gaine

Underweight/overweight syndrome in patients with pulmonary hypertension in Colombia: a prevalence study.

Alejandro Londoño, Rafael Conde, Manuel Pacheco, Carlos Jaime Velásquez, Ricardo Gómez-Palau, Diana Tiga, Juliana De Luque, Alba Ramírez-Sarmiento, Mauricio Orozco-Levi

Childhood Trauma in patients with PAH -prevalence, impact on QoL and mental health - a preliminary report
Da-Hee Park (Hannover, Germany), Tanja Meltendorf, Kai G. Kahl, Jan C. Kamp, Manuel J. Richter, Henning Gall, Hossein A. Ghofrani, Marius M. Hoepfer, Karen M. Olsson, Jan Fuge

Late Breaking Abstract - Cytokines as prognostic biomarkers in pulmonary arterial hypertension
Athénaïs Boucly (Le Kremlin Bicêtre, France), Ly Tu, Christophe Guignabert, Christopher Rhodes, Pascal De Groote, Grégoire Prévot, Emmanuel Bergot, Arnaud Bourdin, Antoine Beurnier, Anne Roche, Mitja Jevnikar, Xavier Jaïs, David Montani, Martin R Wilkins, Marc Humbert, Olivier Sitbon, Laurent Savale

Late Breaking Abstract - Improvement of risk in patients with severe chronic thromboembolic pulmonary hypertension after 24weeks treatment with subcutaneous treprostinil
Pavel Jansa (Jirny, Czech Republic), Roela Sadushi-Kolici, Grzegorz Kopec, Nika Skoro-Sajer, Michael Halank, Iveta Simkova, Regina Steringer-Mascherbauer, Barbara Salobir, Walter Klepetko, Jaroslav Lindner, Irene Lang

TP-21

Session

08:30 - 09:30

Thematic poster: Epidemiological assessments and public health studies on tuberculosis and NTM

Disease(s) : **Airway diseases**

Method(s) : Epidemiology General respiratory patient care Public health Imaging Pulmonary function testing

Chairs : Alberto Garcia-Basteiro (Maputo, Mozambique), Raquel Duarte (Porto, Portugal)

A summary of contact tracing incident investigation outcomes in congregate settings from a large UK city over a 7-year period
Darryl Braganza Menezes (Birmingham (West Midlands), United Kingdom), Tom Marshall, Emmanouil Tranos, Hanna Kaur, Esther Robinson, Grace Smith, Martin Dedicat

Relationship Between Biological Agents and Development Of Latent Tuberculosis In Pedestrians
Gökçen Dilsa Tugcu (Ankara, Turkey), Tugba Bedir Demirdag, Fatma Aydın, Beytullah Santaflıoğlu, Saliha Kanık Yüksek, Belgin Gulhan, Aslinur Ozkaya Parlakay, Banu Celikel Acar, Guzin Cinel

The impact of nontuberculous mycobacteria species on non-cancer mortality in patients with nontuberculous mycobacterial lung disease
Chin-Chung Shu (Taipei, Taiwan), Ping-Huai Wang, Chin-Hao Chang

A prospective cohort study comparing frailty in nontuberculous mycobacterial lung disease and bronchiectasis
Kohei Fujita (Kyoto, Japan), Yutaka Ito, Takuma Imakita, Issei Oi, Yuki Yamamoto, Osamu Kanai, Tadashi Mio

Cannabis and negative tuberculosis treatment outcomes association: a systematic review and meta-analysis
Max Arangoitia Fernandez Baca (Lima, Peru), Daniel Bustamante, Felix Cuti, Paulo Ruiz-Grosso, Cesar Ugarte-Gil

Tuberculosis in the Roma population in southwestern Romania (2010-2020)
Andreea Mihai (Staicu) (Craiova, Romania), Cristina Calarasu, Floarea Mimi Nitu, Victor Ionel Grecu, Alina Marinela Miulescu (popa)

Epidemiology of non-tuberculous mycobacterial (NTM) infections in bronchiectasis patients using the US Bronchiectasis/NTM Research Registry (BRR)
Simon Tiberi (London, United Kingdom), Myriam Drysdale, Radmila Choate, Noah Lininger, Amanda Brunton, Hema Sharma, Susan Shrimpton, David Mannino, Kevin Winthrop

Immunonutritional status predicts poor prognosis of active pulmonary tuberculosis
shuichi sugiyama (shizuoka, Japan), Taisuke Akamatsu, Yutaro Kishimoto, Kazuhiro Asada, Toshihiro Shirai

Healthcare seeking pathways and diagnostic delays among extra-pulmonary tuberculosis patients: a study from Pakistan
Ahmad Wali (Quetta, Pakistan), Nauman Safdar, Atiqa Ambreen, Sabira Tahseen, Tehmina Mustafa

Spirometry, DLCO, lung volumes and PET/CT findings after completion of tuberculosis treatment - preliminary findings of the StatinTB trial
Karen Wolmarans (Cape Town, South Africa), Sandra Mukasa, Antonetta Mashinyira, Patrick Katoto, Fareda Jakoet-Bassier, Tessa Kotze, Reto Guler, Gunar Gunther, Friedrich Thienemann

Profile of patients with tuberculous mastitis in a UK district general hospital
Olutobi Ojuawo (Birmingham, United Kingdom), Shahbaz Piracha, Sannaan Irshad, Mehboob Mirza, Guy Hagan

Active tuberculosis and malignance: a 5 year retrospective study
Margarida V. Matias (Lisbon, Portugal), Joana A. Ribeiro, Joana Carvalho, Conceição Gomes

FACTORS ASSOCIATED WITH THROMBOEMBOLIC EVENTS IN PULMONARY TUBERCULOSIS

safa marzouki (ben arous, Tunisia), Hedhli Abir, Ouahchi Yassine, Toujani Sonia, Cheikhrouhou Sanna, Merai Samira, Mjid Meriem, Dhahri Besma

Outcomes of Tuberculosis contact tracing and predictors of success: a 10-year retrospective cohort analysis

Felicity Andrews (COVENTRY, United Kingdom), Hanna Kaur, Martin Dedicoat

Predictors of anxiety depression disorders during active pulmonary tuberculosis

Amani Ben Mansour (Tunisia, Tunisia), Imene Nouira, Med lemine Sidi Oumar, Hafaoua Daghfous, Soumaya Ben Saad, Fatma Tritar

Mycobacterium avium complex pulmonary disease. Risk factors.

Eva Tabertero Huguet (Bilbao (Bizkaia), Spain), Lander Altube, Julia Amaranta Garcia Fuertes, Maria Victoria Leal Arranz, Javier Ugedo Urruela, Nerea Ortiz Laza, Borja Ortiz De Urbina, Alejandro Rezola Carasusan, Ana Gomez Larrauri, Larraitz Garcia Echeberria, Borja Santos Zorrozuza

The survival of mycobacterium abscessus over twenty years

Carolina Santamaria Valencia (Maspalomas, Spain), Miriam Rodriguez De Rivera Socorro, Iovanna Socorro Ávila, Guillermo José Perez Mendoza, María Isolina Campos-Herrero Navas, Jose Antonio Caminero Luna

Prevalence and predictive factors of sleep disorders in active pulmonary tuberculosis

Amani Ben Mansour (Tunisia, Tunisia), Imene Nouira, Med lemine Sidi Oumar, Hafaoua Daghfous, Soumaya Ben Saad, Fatma Tritar

Characteristics of children and adolescents with rheumatologic diseases and diagnosis of active and latent tuberculosis in tertiary hospital in Rio de Janeiro – retrospective study

Lenita De Melo Lima (Rio de Janeiro, Brazil), Ana Alice Amaral Ibiapina Parente, Rafaela Baroni Aurílio, Adriana Rodrigues Fonseca, Flávio Sztajnbock, Marta Cristine Felix Rodrigues, Claudia Stella Pereira Battaglia, Michely Alexandrino De Souza Pinheiro, Belize Marques Barreto, Sidnei Ferreira, Maria De Fátima Bazhuni Pombo Sant'Anna, Clemax Couto Sant'Anna

TB death: A 5 year retrospective analysis of tuberculosis mortality in Bristol, North Somerset and South Gloucestershire (BNSSG), United Kingdom

Fraser Easton (bristol, United Kingdom), Joshua Hrycaiczuk, Georgina Prestwich, Sabine Bellamy, Rajeka Lazarus

TP-1 Session 08:30 - 09:30**Thematic poster: Clinical problems and management of airway diseases****Disease(s) :** Airway diseases Interstitial lung diseases Respiratory critical care Thoracic oncology Sleep and breathing disorders**Method(s) :** General respiratory patient care Epidemiology Respiratory intensive care Palliative care Physiology Public health Pulmonary function testing Cell and molecular biology**Chairs :** Andrea Bianco (Napoli, Italy), Tiziana Patrizia Cremona (Bern, Switzerland)**A Possible Complication of Chronic Obstructive Pulmonary Disease: Ischemic Colitis**

Shielah Mauntana (El Paso, United States), Mahesh Gajendran

Underdiagnosis of chronic obstructive pulmonary disease: a problem that persists

Ana Roca Noval (Madrid, Spain), Rocío García García, Miguel Jiménez Gómez, Julia Díaz Miravalls, Eduardo Catalinas Muñoz

Barriers to early diagnosis and smoking cessation for COPD patients

Liliya Belenko Gentet (Druccourt, France)

Development in diagnosed comorbidities over a twelve-month period in patients with COPD

Mia Solholt Godthaab Brath (Vadum, Denmark), Sisse Dyrman Alsted, Pernille Veiss-Pedersen, Rasmus Brath Christensen, Ulla Møller Weinreich

COPD patients' experiences and understanding of exacerbations: a qualitative study

Michael Crooks (East Riding of Yorkshire, United Kingdom), Richard Russell, Helena Cummings, Kay Roy, Omar Usmani, Judith Cohen, Sarah Macfadyan, Tamsin Morris, Hana Mullerova, Yang Xu, Ann Hutchinson

Undiagnosed and undertreated heart disease in hospitalised patients with exacerbations of chronic obstructive pulmonary disease (COPD)

Joseph Kibbler (Carlton, United Kingdom), David P Ripley, Stephen C Bourke, John Steer

Impact of treatment with inhaled corticosteroids on COVID-19 risk and outcome – a potential protective effect on severity of disease and survival

Marina Labor (Linköping, Sweden), Fredrik Nyberg, Brian K. Kirui, Lowie E.G.W Vanfleteren

Relationship between plasma alpha-1-antitrypsin polymers and lung or liver function in ZZ alpha-1-antitrypsin deficient patients

Sabina Janciauskiene Wallmark (Hannover, Germany), Srinu Tumpara, Beata Olejnicka, Malin Fromme, Pavel Strnad, Tobias Welte, Jan Stolk

Effectiveness of Nationwide COPD Pay-for-Performance Program on quality-of-life for COPD patients

Sheng-Han Tsai (), Chiung-Zuei Chen

Risk of malignancy in patients with asthma-COPD overlap compared to patients with COPD without asthma

Pradeesh Sivapalan (Gentofte, Denmark), Barbara Bonnesen, Alexander Jordan, Johannes Wrenfeldt Pedersen, Christina Marisa Bergsøe, Josefin Eklöf, Louise Lindhardt Toennesen, Sidse Graff Jensen, Matiullah Naqibullah, Zaigham Saghir, Jens-Ulrik Jensen

Impact of moderate to severe asthma from the patient's perspective in Spain

Javier Dominguez-Ortega (Madrid, Spain), V. Plaza, J. Delgado Romero, A. Nieto, J. Molina, J. Ancochea, A. Gil, J. Oliva, M. Blanco-Aparicio, M. Sarasa

Outcomes after prolonged weaning in COPD patients – Data from the German WeanNet-Initiative

Maximilian Wollsching-Strobel (Köln, Germany), Tobias Freundt, Nina Hämäläinen, Stefan Suchi, Wolfram Windisch, Bernd Schönhofer

Evaluation of risk factors for barotrauma complications in COVID-19 patients treated with high flow nasal cannula (HFNC)

Plamen Titorenkov (Sofia, Bulgaria), Dimitar Manoylov, Milena Encheva, Sofia Zabadanova, Emilia Naseva

Five-year all-cause hospitalizations in patients with COPD following their first-ever exacerbation-related hospitalization

Kiki Waeijen-Smit (Horn, Netherlands), Peter A. Jacobsen, Sarah Houben-Wilke, Sami O. Simons, Frits M. E. Franssen, Martijn A. Spruit, Christian T. Pedersen, Kristian H. Kragholm, Ulla M. Weinreich

Over-the-counter (OTC) short-acting 2-agonist (SABA) purchase and asthma outcomes in SABINA III

Hisham Farouk (Dubai, United Arab Emirates), Walter Javier Mattarucco, Rocio Martina Barriga, Hao-Chien Wang, Dina Diaz, Adel Khatat, Manuel Pacheco Gallego, Ashraf Al Zaabi, David Price

Severe eosinophilic asthma with paradoxical worsening T2 bronchial inflammation despite sequential treatment with mepolizumab and benralizumab

Christophe Marcot (strasbourg, France), Naji Khayath, Frederic De Blay

Three sensitization patterns to mugwort, timothy, birch and their main allergen components revealed by latent class analysis

Wu Liting (Guangzhou, China), Luo Wenting, Hu Haisheng, Zheng Xianhui, Chen Yuemin, Sun Baoqing

Effect of positive airway pressure (PAP) therapy in patients with excessive dynamic airway collapse (EDAC)

Neeraj Shah (New Malden (Surrey), United Kingdom), Kinjal Jadeja, Michael Cheng, Philip Marino, Michelle Ramsay, Shelley Srivastava, Joerg Steier, Nicholas Hart, Eui-Sik Suh, Patrick Murphy, Georgios Kaltsakas

Nasal high flow oxygen therapy compared to conventional oxygen therapy in hospitalised patients with respiratory illness: a systematic review and meta-analysis

Daniel Seow (Singapore, Singapore), Yet Hong Khor, Su Wei Khung, David Smallwood, Yvonne Ng, Natasha Smallwood

Extended-release morphine for chronic breathlessness in COPD: a randomized controlled trial with blinded up-titration over three weeks

Diana Ferreira (Adelaide (SA), Australia), Magnus Ekström, Sungwon Chang, Sandra Louw, Miriam Johnson, Danny Eckert, Belinda Fazekas, Katherine Clark, Meera Agar, David Currow

TP-20

Session

08:30 - 09:30

Thematic poster: Fungal infections and other relevant COVID-19 findings**Disease(s)** : Airway diseases Respiratory critical care**Method(s)** : General respiratory patient care Respiratory intensive care Epidemiology Cell and molecular biology Public health**Chairs** : Anand Shah (London, United Kingdom), Sanjay Haresh Chotirmall (Singapore, Singapore)**Aspergillus co-infection in critically ill COVID-19 patients**

Gordana Pavliša (Zagreb, Croatia), Ivana Majdandzic, Andrea Vukic Dugac, Mateja Jankovic Makek, Lidija Ljubivic, Miroslav Samarzija

Effect of omalizumab on glucocorticoid use, lung function and asthma control in the treatment of allergic bronchopulmonary aspergillosis: a systematic review and meta-analysis

Jo Douglass (Parkville, Australia), Meiling Jin, J Stuart Elborn, Ritesh Agarwal, William J Calhoun, Xavier Jaumont, Slawomir Lazarewicz, Meng Yan

Anti-IgE therapy for management of recurrent ABPA exacerbations: successful outcome in 8 patients

Manu Chopra (Delhi, India), Meenakshi Chopra, Shafin Babu Ps

Aspergillus sensitization as a treatable trait in COPD

Pei Yee Tiew (Singapore, Singapore), Jayanth Kumar Narayana, Marilyn Swee Li Quek, Yan Ying Ang, Fanny Wai San Ko, Mau Ern Poh, Tavleen Kaur Jaggi, Huiying Xu, Kai Xian Thng, Mariko Siyue Koh, Augustine Tee, John Arputhan Abisheganaden, Krasimira Tsaneva-Atanasova, Fook Tim Chew, Sanjay Haresh Chotirmall

Azole resistance screening in Aspergillus species isolated from patients with COVID-associated pulmonary aspergillosis from Pakistan

Kausar Jabeen (Karachi, Pakistan), Sadaf Zaka, Joveria Farooqi, Syed Faheem Naqvi

Critical COVID-19 Associated Pulmonary Mucormycosis (CAPM): The underreported life-threatening spectrum of the Mucormycosis epidemic

Sameer Bansal (Navi Mumbai (Maharashtra), India), Hariprasad Kalpakam, Parikshit Thakare, Ravindra Mehta

Invasive fungal infections in COVID-19 patients from Pakistan

Kausar Jabeen (Karachi, Pakistan), Nosheen Nasir, Joveria Farooqi, Syed Ahsan Ali, Syed Faisal Mahmood, Najia Ghanchi, Muhammad Irfan, Rumina Hasan, Afia Zafar

Fungal infections in the ICU during the COVID-19 era

Evangelia Koukaki (SALAMINA, Greece), Nikoleta Rovina, Kimon Tzannis, Sevasti Ampelioti, Vasiliki Romanou, Antonia Koutsoukou, Georgios Dimopoulos

Efficacy of LD Bio Aspergillus ICT Lateral flow assay for serodiagnosis of chronic pulmonary aspergillosis

Animesh Ray (Kolkata (West Bengal), India), Mohit Choudhury, Prayas Sethi, Ved Prakash Meena, Gagandeep Singh, Immaculata Xess, Sanjeev Sinha, Naveet Wig, Sunil Kumar Kabra

Comparison of clinical features, risk factors and outcome of invasive pulmonary aspergillosis in critically ill COVID-19, influenza and community acquired pneumonia patients

Muhammad Irfan (Karachi (Sindh), Pakistan), Syed Ahsan Ali, Kausar Jabeen, Joveria Farooqi, Safia Awan

Absence of invasive mucormycosis in ventilated critically-ill COVID-19 patients: an autopsy study in a tertiary care university hospital

Job Schippers (Amsterdam, Netherlands), Paul Verweij, Leo Heunks, Karin Van Dijk

Late Breaking Abstract - Persistence of inflammatory and vascular damage mediators 5 months after acute COVID-19

Nayia Petousi (Oxford (Oxfordshire), United Kingdom), James Melhorn, Asma Alamoudi, Mark Cassar, Anastasia Fries, Emily Fraser, Alexander Mentzer, Betty Raman, Nick Talbot

Late Breaking Abstract - Long-term follow-up of SARS-CoV-2 IgM and IgG production in the patients with COVID-19 in Japan

Tomoiro Matsunaga (Tokyo, Japan), Shin Ohta, Fumihiko Yamaguchi, Kosuke Suzuki, Akihiko Tanaka, Issei Tokimatsu, Hironori Sagara

Late Breaking Abstract - THE ROLE OF LABACS IN LONG COVID-19 PATIENTS IN PRINGSEWU, INDONESIA

Retno Ariza Soemarwoto (Bandar Lampung, Indonesia), Pralia Winda Sari, Jordy Oktabiannobel, Diyan Ekawati, Anse Diana Valentiene Messah, Adityo Wibowo, Ibnu Darmajati

Late Breaking Abstract - Clinical performance evaluation of an anti-SARS-CoV-2 IgG enzyme-linked immunosorbent assay

Timothy Ferguson (Belfast (Belfast), United Kingdom), Julie Moore, Louise Robertson, Elisha Cain, Tara Moore

Late Breaking Abstract - Hospital-onset COVID-19 and antivirals

Ghulam Haider Khan (Westmalling, United Kingdom), Milad Jeilani, Charlotte Butler, Eftichia Iossifidis, Shelby Bryant, Jaweria Shoaib, Matthew Szeto

Late Breaking Abstract - The economic burden of pertussis among adults aged above 50 years, in England: post-hoc analyses of a retrospective database study in England

Nicolas Jamet (Wavre, Belgium), Emmanuel Aris, J. Romario F. De Melo, Anna Ramond, Jason Simeone, Valérie Berlaimont

Late Breaking Abstract - Post-acute sequelae of SARS-CoV-2 among previously hospitalised individuals with COVID-19: a systematic literature review and meta-analysis>

Rikisha Shah Gupta (LONDON, United Kingdom), J. Daniel Kelly, Tristan Curteis, Aaditya Rawal, Molly Murton, Rikisha Shah-Gupta, Aprille Espinueva, Linda Chen, Mazin Abdelghany, Daniel A. Sweeney, Jennifer K. Quint

Late Breaking Abstract - COVID-19 treatment and outcomes: trends over 20 months in 338,930 US hospital patients with COVID-19 and pneumonia

Linda Chen (Foster City, United States), Robert L Gottlieb, Aastha Chandak, Richard Haubrich, Celine Der-Torossian, Eunyoung Lee, Mark Thrun, James Jarrett, Alan Smith, Agnese Restuccia, Stijn Hollemeersch, Sonia Sandhu, Thomas Oppelt, Pauline Herscu, Rikisha Gupta

Late Breaking Abstract - A randomized study to evaluate safety and pharmacokinetics of CT-P63 in healthy subjects

Monika Tomaszewska-Kiecana, Anna Wolowik, Agnieszka Kulesza, Keumyoung Ahn, Nahyun Jung, Yeonmi Lee, Jihyun Kim, Sunghyun Kim, Michal Maciej Nowicki

TP-26

Session

08:30 - 09:30

Thematic poster: Updates in imaging COVID pneumonia, emphysema and interstitial lung diseases**Disease(s) :** Respiratory critical care Airway diseases Interstitial lung diseases**Method(s) :** Imaging Respiratory intensive care Public health Endoscopy and interventional pulmonology General respiratory patient care**Chairs :** David Laszlo Tarnoki (Budapest, Hungary), Veronika Müller (Budapest, Hungary)**COVID-19 diagnosis and disease severity prediction assessment through an innovative AI-based model**

Julien Guiot (Liège, Belgium), Benoit Ernst, Monique Henket, Renaud Louis, Paul Meunier, Dirk Smeets, Arne Brys, Simon Van Eyndhoven

Automatic detection of COVID-19 pneumonia through artificial intelligence applied to chest X-rays

Enrique Añorbe (Vitoria, Spain), Arantza Bereciartua, Pilar Aisa, Andrea García-Tejedor, Andrea Valero, Artzai Picón, Teodoro Palomares, Estibaliz Garrote

Three and six months follow up chest CT findings after COVID-19 pneumonia

Sabrine Majdoub Fehri (Nabeul, Tunisia), Wafa MADI, Racem Ammar, Ahmed Dhiaa Eleuch, Rahma Sellami, Imen Ketata, Hamida Kwass

Impact of pre-existing respiratory disease on radiological outcomes in COVID -19 pneumonia

Hafiz Gulzeb Kamil (Chester, United Kingdom), Ammar Abdelaziz, Aravind Ponnuswamy

Collateral benefits of doing HRCT for COVID 19 pneumonia

Deepak Muthreja (Nagpur (Maharashtra), India), Nilay Nimbalkar, Hardik Gopani

Post-Acute Squeal of COVID-19 Pneumonia: Three-month Chest CT Follow-up

Soumaya Bouchareb (Ksar Hellal, Tunisia), Nadia Boudawara, Fadia Boubaker, Cyrine Ben Taleb, Ameni Hamdi, Boutheina Ben Rejeb, Ameni Ben Salem, Aya Zaara, Imen Touil, Leila Boussoffara, Jalel Knani

Lung volumetry correlates with P/F ratio and inflammatory biomarkers in COVID-19 patients

Martina Sciolla (Torino, Italy), Rouslan Senkeev, Giuseppe Stranieri, Luciano Cardinale, Thomas Fraccalini, Emiliano Gatti

Natural evolution of COVID19 pneumonia radiological findings

Irma Bracka (GALATSI ATHENS, Greece), Eleni Bellou, Ioannis Karampinis, Elli Keramida, Thodoris Daskalos, Panagiotis Demertzis, Georgia Hardavella

Socio economic deprivation and its Impact on COVID-19 recovery -analysis of radiological outcome from an English Hospital

Hafiz Gulzeb Kamil (Chester, United Kingdom), Aravind Ponnuswamy

Rate and spectrum of incidental findings on CT pulmonary angiogram of COVID-19 patients.

Georgia Clarke (Salford, United Kingdom), Sophie Ashley, Moneeba Malik, Rajesh Kumar Yadavilli

CO-RADS, COVID-PCR and prognosis relationship in patients followed in intensive care unit with the diagnosis of COVID-19

Güntüç Bathan (Izmir, Turkey), Funda Cansun, Seher Susam

Role of 'Radiological Phenotypes' in Diagnosis, Treatment and Assessment of Covid-19 Pneumonia: Multicentric study of 6000 cases in tertiary care setting in India

Shital Vishnu Patil (Latur (Maharashtra), India), Ganesh Narwade, Rajesh Patil, Atul Deshmukh, Gajanan Gondhali

CXR severity as a predictor for post-COVID-19 related ILD

Da Wit Kim (New Malden, United Kingdom), Irida Budaj, Hussein Chreif, Sharon Power, Nisar Tosia

Effect of kernel use on emphysema score in severe COPD patients evaluated for lung volume reduction

Jens Thomas Bakker (GRONINGEN, Netherlands), Karin Klooster, Hendrik Joost Wisselink, Gert Jan Pelgrim, Rozemarijn Vliegthart, Dirk-Jan Slebos

Quantitative CT evaluation of lobar ventilation and perfusion in emphysematous candidate patients for Lung Volume Reduction

Arafa Aboelhassan (Assiut, Egypt), Eric Tenda, Safaa Wafy, Gamal Agmy, Pallav Shah

Comparing CT-based fissure completeness scores across software packages to predict interlobar collateral ventilation

Iwein Gyselincx (Leuven, Belgium), Pieter Hoeben, Hannelore Geysen, Frederik De Keyzer, Christophe Doods, Dirk Van Raemdonck, Geert Verleden, Laurens Ceulemans, Wim Janssens, Johan Coolen

Correlation between radiological scores and respiratory function in patients with bronchiectasis

Soumaya Debiche (Le Kram, Tunisia), Snène Houada, Guemri Malika, Blibech Hana, Daoud Sirine, Kaabi Line, Daghfous Jalloul, Leila Ben Farhat, Mehiri Nadia, Nozha Ben Salah, Bechir Louzir

Quantifying morphological airway damage in idiopathic pulmonary fibrosis

Ashkan Pakzad (London, United Kingdom), Wing Keung Cheung, Kin Quan, Nesrin Mogulkoc, Coline H.M. Van Moorsel, Brian J. Bartholmai, Hendrik W. Van Es, Alper Ezircan, Frouke Van Beek, Marcel Veltkamp, Ronald Karwoski, Tobias Peikert, Ryan D Clay, Finbar Foley, Cassandra Braun, Recep Savas, Carole Sudre, Tom Doel, Daniel C. Alexander, Peter Wijeratne, David Hawkes, Yipeng Hu, John R Hurst, Joseph Jacob

(Early) Economic Evaluation of the AI-based software "icolung" for the detection and prognosis of COVID cases from CT scans

Benoit Ernst (Liège, Belgium), Giovanni Esposito, Julien Guiot, Renaud Louis, Paul Meunier, Philippe Kolh

TP-11

Session

08:30 - 09:30

Thematic poster: Allergy and asthma: biomarkers, phenotypes and real-world evidenceDisease(s) : **Airway diseases**

Method(s) : Pulmonary function testing Epidemiology Cell and molecular biology General respiratory patient care Public health

Chairs : Christina Bal (Wien, Austria), Marek Lommatzsch (Rostock, Germany)

Bronchodilator reversibility in patients with severe asthma included in the GAN registry.

Katrin Milger-Kneidinger (Munich, Germany), Dirk Skowasch, Eckhard Hamelmann, Carlo Mümmler, Marco Idzko, Christian Taube, Annette Holtdirk, Hartmut Timmerman, Roland Buhl, Stephanie Korn

Interrelationships between body mass index, total IgE, and blood eosinophils count in healthy subjects

Rita Amaral (Porto, Portugal), Tiago Jacinto, Andrei Malinovski, Christen Janson, David Price, João Fonseca, Kjell Alving

Bronchiectasis in severe asthma is associated with eosinophilic airway inflammation and activation

Laurits Frøssing (Copenhagen V, Denmark), Anna Von Bülow, Celeste Porsbjerg

Increase in blood eosinophil count over time and sputum IL8 are associated with FEV1 decline in asthma

Sophie Graff (Liège, Belgium), Catherine Moermans, Sara Gerday, Monique Henket, Virginie Paulus, Françoise Guissard, Renaud Louis, Florence Schleich

Type 2 biomarker expression according to age of asthma onset: an analysis of the German severe asthma registry (GAN)

Marek Lommatzsch (Rostock, Germany), Christian Taube, Eckard Hamelmann, Katrin Milger-Kneidinger, Dirk Skowasch, Margret Jandl, Florian Simon Schmitz, Cordula Koerner-Rettberg, Marco Idzko, Roland Buhl, Stephanie Korn

The German Asthma Net: Anti-IL5(R) therapy reduces disease burden in a real-life severe asthma cohort

Christina Bal (Wien, Austria), Marco Idzko, Katrin Milger, Dirk Skowasch, Christian Schulz, Christian Taube, Eckard Hamelmann, Roland Buhl, Stephanie Korn

FeNO is not affected by spirometry, IOS or walking in healthy subjects or well controlled asthma patients

Helle Haagensen Andersen (Brabrand, Denmark), Lene Mølgaard Pedersen, Maha Mousa, Nuha Mousa, Anne-Sofie Bjerrum, Tina Skjold, Torben Smidt-Hansen, Hans Jürgen Hoffmann, Johannes Martin Schmid

Association between Staphylococcal Enterotoxin (SE)-specific IgE and specific IgE for house dust mites (HDM) in Brazilian patients with Chronic Rhinosinusitis with Nasal Polyps (CRSwNP).

Sergio Dortas Junior (Rio De Janeiro (RJ), Brazil), Priscilla Campos Dos Santos, José Elabras Filho, Fabiana Da Cruz, Solange Valle, Priscila Ferraiolo

Application of urinary proteomics for biomarker discovery in respiratory diseases

Laura Martelo-Vidal (santiago de compostela, Spain), Sara Vázquez-Mera, Pablo Miguéns-Suárez, Francisco Javier Salgado-Castro, Marina Blanco-Aparicio, Mar Mosteiro-Añón, Gabriel Martínez-Capoccioni, Paula Méndez-Brea, Susana Belén Bravo, Francisco-Javier González-Barcala, Juan José Nieto-Fontarigo

Overall response to anti-IL5/anti-IL5R treatment in severe asthma does not depend on initial bronchodilator responsiveness

Carlo Mümmeler (München, Germany), Hendrik Suhling, Nikolaus Kneidinger, Roland Buhl, Moritz Kayser, Nora Drick, Jürgen Behr, Tobias Welte, Stephanie Korn, Katrin Milger

Factors associated with middle-aged adult obstructive lung function deficits in the grass pollen season

Sabrina Idrose (Australia, Australia), Don Vicendese, Michael Abramson, E. Haydn Walters, Garun Hamilton, Adrian Lowe, Jo Douglass, Caroline Lodge, Shyamali Dharmage

Polygenic risk score constituted by GWAS-identified disease markers helps predict asthma development

Yang Yie Sio (Singapore, Singapore), Fook Tim Chew

The epidemiology of sensitization to perennial aeroallergens in adult patients with severe asthma in Belgium. The Belgian IgE (BEIgE) study

Florence Schleich (Liège, Belgium), Sandra Gurdain, Eleonore Maury, Jan Van Schoor

ICS-LABA prescribing in asthma (maintenance only and MART), clinical and symptom unmet need in Japan

Shiyuan Zhang (Collegeville, United States), Alexandrosz Czira, Julia Harley, Kieran J Rothnie, Lauren Lee, Mark Small

High prevalence of sensitisation to house dust mite in ethnic minority severe asthma patients

Jennifer Kerks (Telford (Shropshire), United Kingdom), Julie Marsh, Ali Bahron, Thirumala Krishna, Gareth Walters, Fiona O'Riordan, Lisa White, Julie Sullivan, Adel Mansur

Asthma comorbidities: frequency, risk factors, and associated burden in children and adolescents

Giovanni Viegi (Pisa (PI), Italy), Salvatore Fasola, Giovanna Cilluffo, Velia Malizia, Laura Montalbano, Amelia Licari, Giuliana Ferrante, Stefania La Grutta

A comprehensive analysis of the components of the common weed pollens and related allergens in patients with allergic diseases in southern China

Wenting Luo (Guangzhou (Guangdong), China), Baoqing Sun

The impact of national lockdown in 2020 on admission rates for exacerbations in asthma; a nationwide cohort study.

Louise Toennesen (København K, Denmark), Barbara Bonnesen, Pradeesh Sivapalan, Alexander Svorre Jordan, Mohamad Isam Saeed, Josefin Eklöf, Charlotte Suppli Ulrik, Kristoffer Grundtvig Skaarup, Mats Christian Højberg Lassen, Tor Biering-Sørensen, Jens-Ulrik Stæhr Jensen

Clinico-demographic, radiological and immunological profile of allergic bronchopulmonary aspergillosis in a tertiary care institute of east India.

Arshad Ejazi (Patna, India), Manish Shankar, Satyadeo Chaubey, Dinesh Kumar

Inflammatory phenotypes and comorbidities in mild-to-moderate COPD

Thibaud Soumagne (Paris, France), Sophie Hue, Jean-Charles Dalphin, Bruno Degano

TP-2 Session 08:30 - 09:30**Thematic poster: Methods and innovation in pulmonary rehabilitation**

Disease(s) : Airway diseases Interstitial lung diseases Respiratory critical care

Method(s) : Physiology Pulmonary rehabilitation General respiratory patient care

Chairs : Ipek Çaylı Candemir (Ankara, Turkey), Matthew Armstrong (Bournemouth, United Kingdom)

International perspectives on outcome measurement in pulmonary rehabilitation of COPD

Sara Souto-Miranda (Aveiro, Portugal), Anouk W. Vaes, Rainer Gloeckl, Anita Grongstad, Martijn A. Spruit, Alda Marques

Contribution of muscular retraining in a post-COVID-19 exercise rehabilitation program

Khadija Ayed (Nabeul, Tunisia), Islam Mejri, Rihab Alouane, Zied Moatemri

Modified six-minutes walking test in children with medical complexity and chronic lung disease.

Gregory Villarroel Silva (Santiago, Chile), Paula Vera Tapia, Barabara Moya Torres, Maria José Miranda, Gonzalo Moscoso Altamira, Macarena Faúndez Silva, Ignacio Oyarzún Aguirre

Longitudinal change in Ultrasound derived Rectus Femoris cross sectional area (RFCSA) in patients with COPD

Timothy Jenkins (London, United Kingdom), Suhani Patel, Jane Canavan, Samantha Kon, Sarah Jones, Ruth Barker, Hannah Littlemore, Jennifer Harvey, Claire Nolan, William Man

The minimal important difference (MID) of the five-repetition sit to stand test (5STS) in IPF

Puja Trivedi (Middlesex, United Kingdom), Oliver Polgar, Suhani Patel, Ruth Barker, William Man, Claire Nolan

Subjective experience of eccentric and one-legged cycling in COPD

Thomas Ward (Leicester, United Kingdom), Martin Lindley, Charlotte Bolton, Rachael Evans, Michael Steiner

Non-invasive ventilation (NIV) during exercise training in people with COPD and chronic hypercapnic respiratory failure (CHRF) - a randomized controlled trial

Tessa Schneeberger (Schönau am Königssee, Germany), Antje Stegemann, Daniela Leitl, Inga Jarosch, Rainer Gloeckl, Maximilian Leidinger, Wolfgang Hitzl, Clancy Dennis, Klaus Kenn, Andreas Rembert Koczulla

Impact of cognitive capacity on physical performance in chronic obstructive pulmonary disease (COPD) patients: a scoping review

Peter Rassam (Woodbridge, Canada), Eli Maria Pazzianotto-Forti, Umi Matsumura, Antenor Rodrigues, Dmitry Rozenberg, W Darlene Reid

Greater walking distance during acute intermittent, compared to the same ground speed, endurance shuttle protocol in COPD: an interim analysis

Charikleia Alexiou (Newcastle Upon Tyne, United Kingdom), Dimitrios Megaritis, Emily Hume, Francesca Chambers, Lynsey Wakenshaw, Laura McNeillie, Carlos Echevarria, Ioannis Vogiatzis

Experiences of singing for people with chronic respiratory diseases: qualitative meta-synthesis

Natasha Smallwood (Melbourne (VIC), Australia), Lena Ly, Jennifer Philip, Peter Hudson

Respiratory Muscle Training Can Improve Cognitive, Lung Function, and Diaphragmatic Performance in Patients with Chronic Obstructive Pulmonary Disease: A Randomized Con-trolled Trial

Pin-Kuei Fu (Taichung, Taiwan), Yuan-Yang Cheng

Effects of inspiratory muscle training in patients with chronic obstructive pulmonary disease after stratification by the degree of static hyperinflation

Maurice J.H. Sillen (Horn, Netherlands), Anouk W. Vaes, Miriam T.J. Groenen, Frits M.E. Franssen, Martijn A. Spruit

Exploring the impact of comorbidities in individuals after a Covid hospital admission or community infection in those referred to a rehabilitation programme

Nikki Gardiner (Leicester, United Kingdom), Emma Chaplin, Sarah Ward, Enya Daynes, Molly Baldwin, Sally Singh

Validation of the one minute sit to stand test (1MSTS) for identification of exertional oxygen desaturation in chronic respiratory disease

Jennifer Harvey (Uxbridge, United Kingdom), Suhani Patel, Hannah Littlemore, Timothy Jenkins, Claire Nolan, William Man

Effect of hybrid rehabilitation on exercise tolerance in patients with long COVID-19 syndrome: an interim analysis

ANGELOS VONTETSIANOS (ATHENS, Greece), Nikolaos Chynkiamis, Christina Anagnostopoulou, Evaggelia Koukaki, Eleni Stagaki, Ioannis Vogiatzis, Antonia Koutsoukou, Nikolaos Koulouris

Impact of nasal high-flow on exercise capacity and dyspnea in severe/very severe COPD.

Tristan Bonnevie (Saint Léger Du Bourg Denis, France), Francis-Edouard Gravier, Pauline Smondack, Helena Brunel, Yann Combret, Guillaume Prieur, Clément Médrinal, Fairuz Boujibar, Jean-François Muir, Antoine Cuvelier, Maxime Patout

Benefits of Whole Body Vibration Training in Patients with COPD Exacerbations

Fanying Yu (Changchun, China), Hongjing Lin, Qinglin Li, Xiuyun Jia, Ting Yu, Jiahui Ma, Zeyu Qin, Wenlong Liu

The obstacles to expectorating sputum in cystic fibrosis (CF) patients

Ivana Arnaudova Danevska (Skopje, North Macedonia), Tatjana Jakjovska, Ani Vidoevska, Sonja Momchilovikj, Elena Gjinovska Tasevska, Gorica Popova, Dimitar Arnaudov, Katerina Boshkovska

Late Breaking Abstract - PCCM standardized management reduces mortality in asthma, COPD and ACO patients with exacerbation history in Tianjin, China

Ting Yang (Beijing, China), Ke Huang, Xiaoyun Zhao, Yuechuan Li

DECANNULATION AFTER COVID-19 ARDS: ARE THERE DIFFERENCES BETWEEN REHABILITATION AND RESPIRATORY WARDS?

Cinzia Lastoria (, Italy), Francesca Cemmi, Abramo Bazza, Manuela Bergonzi, Roberta Marra, Federica Fioretti, Matteo Vigna, Chiara Mele, Annalisa Carlucci

TP-12

Session

08:30 - 09:30

Thematic poster: Factors associated with lung function and prevalence of respiratory diseases

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Epidemiology Public health Pulmonary function testing General respiratory patient care

Chairs : elisa lopez varela (Barcelona, Spain), Jose Leonidas Alves Junior (São Paulo (SP), Brazil)

Period and cohort effects: consequences on lung function in Norway during the 20th century

Lucia Cestelli (Bergen, Norway), Ane Johannessen, Knut Stavem, Amund Gulsvik, Rune Nielsen

Associations between breast feeding and lung function in middle age

Dinh Bui (Melbourne (VIC), Australia), Jennifer Perret, Caroline Lodge, Adrian Lowe, Gayan Bowatte, Erbas Bircan, Alan James, Michael Abramson, Garun Hamilton, Haydn Walters, Shyamali Dharmage

Supranormal lung function by age bins in the LEAD Study

Caspar Schiffers (Vienna, Austria), Rosa Faner, Alina Ofenheimer, Patricia Puchhammer, Marie-Kathrin Breyer, Otto Chris Burghuber, Sylvia Hartl, Alvar Agusti, Robab Breyer-Kohansal

Cardiovascular disease linked plasma proteins relate mainly to lung volumes

Andreas Rydell (FALUN, Sweden), Elisabeth Nerpin, Xing Wu Zhou, Lars Lind, Eva Lindberg, Jenny Theorell Haglöw, Tove Fall, Christer Janson, Karin Lisspers, Sölve Elmståhl, Suneela Zaigham, Olle Melander, Peter Nilsson, Marju Orhu-Melander, Johan Årnlöv, Andrei Malinowski

Associations of black carbon with lung function in COPD patients

Ornella Salimbene (Buccino, Italy), Ivano Salimbene, Maria Chiara Zanetti, Marco Ravina, Deborah Panepinto

Respiratory function in patients post-infection by COVID-19

Sabrina Majdoub Fehri (Nabeul, Tunisia), Wafa Madi, Imen Ketata, Ahmed Dhia Eleuch, Racem Ammar, Rahma Sallami, Hamida Kwass

BMI increase – A determinant of FEV1 decline for overweight and obese adults with asthma

Nicolas Bermudez Baron (Luleå, Sweden), Hannu Kankaanranta, Linnea Hedman, Martin Andersson, Caroline Stridsman, Anne Lindberg, Eva Rönmark, Helena Backman

Changes in COPD prevalence in Madrid from 2007 to 2017

Elena Garcia Castillo (Madrid, Spain), Tamara Alonso Pérez, Jose Maria Eiros Bachiller, Adrián Peláez Laderas, Patricia Pérez González, Elena Ávalos Pérez-Urría, Elisa Martínez Besteiros, Joan B. Soriano, Julio Ancochea

Incidence, prevalence and regional distribution of systemic sclerosis and associated interstitial lung disease: a nationwide cohort study

Malene Knarborg (Ry, Denmark), Charlotte Hyldgaard, Elisabeth Bendstrup, Jesper Rømhild Davidsen, Anders Løkke, Saher Burhan Shaker, Ole Hilberg

Prevalence of respiratory viruses in COPD exacerbations: A meta-analysis

Alexander Mathioudakis (Stockport, United Kingdom), Anastasia Kefala, Gioulinta Alimani, Victoria Chatzimavridou-Grigoriadou, Nikolaos Papadopoulos, Apostolos Beloukas, Jørgen Vestbo

Among both men and women with COPD ever-smokers have higher disease burden and worse prognosis than never-smokers

Ann Lindberg (Boden, Sweden), Erika Szakacs, Caroline Stridsman, Sami Sawalha, Ulf Nilsson, Linnea Hedman, Eva Rönmark, Helena Backman

A descriptive cross-sectional study on prevalence of respiratory diseases among patients visiting Jiri District Hospital, Nepal.

Kiran Paudel (Kathmandu, Nepal), Tara Ballav Adhikari, Durga Rijal, Bhoj Raj Kalauni, Biplav Aryal, Rajan Paudel, Milan Gaihre, Surya Devkota

Prevalence of and factors associated with respiratory symptoms among patients with inflammatory bowel disease: a prospective study

Brian Renel (Kockelscheuer, Luxembourg), Simon Valentin, Florian Manneville, Bénédicte Caron, Myriam Choukour, Anne Guillaumot, Ari Chaouat, Mathias Poussel, Thomas Chateau, Carina Peyrin-Biroulet, Hamza Achit, Laurent Peryin-Biroulet, François Chabot

Comparative study of smoking and non-smoking chronic obstructive pulmonary disease.

Ankita Mandal (Lucknow, India), Ajay Kumar Verma, Anuj Kumar Pandey, Arpita Singh, Surya Kant, Ved Prakash, Rakesh Kumar Dixit, Umesh Pratap Singh, Shyam Chand Chaudhari

Trends in burden of COPD in Saudi Arabia

Jaber Alqahtani (Dammam, Saudi Arabia)

Prevalence of respiratory viruses in stable COPD: A meta-analysis

Alexander Mathioudakis (Stockport, United Kingdom), Anastasia Kefala, Gioulinta Alimani, Victoria Chatzimavridou-Grigoriadou, Nikolaos Papadopoulos, Apostolos Beloukas, Jørgen Vestbo

The disease burden and quality of life of chronic cough patients in South Korea and Taiwan

Woo-Jung Song (Seoul, Republic of Korea), Chong-Jen Yu, Sukhyun Kang

PERSISTING SYMPTOMS IN A COHORT OF 1966 SUBJECTS WITH SARS-COV-2 INFECTION: 1 YEAR FOLLOW-UP

Maria Cinta Cumpli Gargallo (Amposta, Spain), Oswaldo Antonio Caguana Vélez, Merce Comas serrano, Margarita Posso Rivera, Xavier Duran Jordà, Eva Balcells Vilarnau, Mireia Admetllo Papiol, Anna Herranz Blasco, Judith Villar Garcia, Diana Badenes Bonet

Burden of chronic respiratory diseases in population in four South/South-East Asian low-and middle-income countries (LMICs).

Dhiraj Agarwal (Pune (Maharashtra), India), Nik Sherina Hanafi, Ee Ming Khoo, Richard A. Parker, Deesha Ghorpade, Sundeep Salvi, Ahmad Ihsan Abu Bakar, Karuthan Chinna, Deepa Das, Monsur Habib, Norita Hussein, Rita Isaac, Mohammad Shahidul Islam, Mohsin Saeed Khan, Su May Liew, Yong Kek Pang, Biswajit Paul, Samir K Saha, Li Ping Wong, Osman M Yusuf, Shahida O Yusuf, Sanjay Juvekar, Hilary Pinnock

Epidemiology and healthcare impact of IPF in Ontario from 2013-17.

Shannon Tang (Kingston, Canada), Onofre Morán-Mendoza, Shahriar Khan, Ana Johnson

TP-13

Session

08:30 - 09:30

Thematic poster: Occupational chronic airway, interstitial, pleural and neoplastic diseases

Disease(s) : Interstitial lung diseases Airway diseases Thoracic oncology

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology Public health Physiology Epidemiology General respiratory patient care Pulmonary function testing Surgery

Chairs : Benoit Nemery (Leuven, Belgium)

Immunopathological mechanisms of bird-related hypersensitivity pneumonitis in an acute and chronic murine model

Silvia Sánchez-Díez (Barcelona, Spain), Miquel De Homdedeu, María Jesús Cruz, Iñigo Ojanguren, Christian Romero Mesones, David Soler, Xavier Muñoz

A smoking human lung-on-chip to study COPD and cancer

Arunima Sengupta (Bern, Switzerland), Aurélien Dorn, Nuria Roldan, Janick Stucki, Tobias Krebs, Oliver Wisser, Nina Hobi, Olivier.T. Guenat

Mortality in association with occupational exposure and respiratory diagnosis in Helsinki, Finland – a 24-year follow-up

Juuso Jalasto (Helsinki, Finland), Paula Kauppi, Ritva Luukkonen, Ari Lindqvist, Arnulf Langhammer, Hannu Kankaanranta, Helena Backman, Eva Rönmark, Anssi Sovijärvi, Päivi Piirilä

COPD in a sample of retired persons from Skopje region

Sasho Stoleski (Skopje, North Macedonia), Jordan Minov, Dragan Mijakoski, Aneta Atanasovska, Dragana Bislimovska, Jovanka Karadzinska-Bislimovska

Cardiopulmonary function in women exposed to biomass fuel smoke: Cross-sectional study in rural Maharashtra, India

Rohan Shah (Pune, India), Aboli Bhalerao, Dhiraj Agarwal, Nitin Vanjare, Sanjay Juvekar

Asthma and respiratory symptoms as related to traditional textile industry in Guatemala: a cross-sectional pilot study in Mayan communities

Juan Pablo López-Cervantes (Bergen, Norway), Shokouh Makvandi-Nejad, Fernando Jerez, Ana Lorena Ruano, Cecilie Svanes

Fitness to work and quality of life after pulmonary emphysema surgery

Imene MAGROUN (Ariana, Tunisia), Soumaya Chebbi, Faten Mhiri, Latifa Ben Afia, Dorra Zarati, Adel Merghali, Sarra Zairi

Respiratory health in artisanal copper-cobalt miners in DR Congo

Joseph PYANA KITENGE (Lubumbashi, Democratic Republic of the Congo), Paul Musa Obadia, Trésor Carsi Kuhangana, André Nyongoni, Celestin Banza Lubaba, Jean-Marie Kayembe Ntumba, Antoine Froidure, Benoit Nemery

Mixed dust pneumoconiosis in flour mill workers

Anita Anokar (Pune (Maharashtra), India), Himanshu Pophale, Divya Patel, Ram Deoskar, Medha Bargaje

Modelling silica-induced immune response in silica exposed patients

Nirosha Ganesan (Leuven, Belgium), Steven Ronsmans, Peter Hoet

Evaluation of oxidative stress parameters and genotoxic effects in patients with work-related asthma and silicosis

Özlem Kar Kurt (ZEYTİNBURNU, Turkey), Dilek Ergun, Hatice Gul Anlar, Merve Hazar, Sevtap Aydın Dilsiz, Mevlut Karatas, Ayse Nursen Basaran

Hypoxemia and radon exposure during underground work in artisanal cobalt mines

Paul Musa Obadia (Lubumbashi, Democratic Republic of the Congo), Joseph Pyana Kitenge, Trésor Carsi Kuhangana, Tony Kayembe Kitenge, André Ndala Nyongonyi, Patrick De Marie Katoto, Boris Dehandschutter, Célestin Banza Lubaba Nkulu, Benoit Nemery

A comparison of the EQ-5D-5L and the AQoL-8D in people living with idiopathic pulmonary fibrosis

Ingrid A. Cox (Bellerive (TAS), Australia), Julie Campbell, Barbara De Graaff, Petr Otahal, Tamera Corte, Yuben Moodley, Peter Hopkins, Sacha Macansh, Haydn Walters, Andrew Palmer

Behavior and effect of nanoparticles on neutrophil recruitment in the pulmonary microcirculation

Chenxi Li (munich, Germany), Qiongliang Liu, Tobias Stoeger, Markus Rehberg

Occupational Pulmonary Fibrosis

Ons Grissa (Tunis, Tunisia), Slim Ernez, Saloua Ismail, Nihel Khouja, Amani Dallagi, Aida Benzarti, Jihen Hsinet, Abdelmajid Ben Jemaa

Occupational Exposures associated with Pulmonary Sarcoidosis: A Systematic Review and Meta-analysis

Christopher C. Huntley (Bromsgrove, United Kingdom), Ketan Patel, Aishah Mughal, Shirley Coelho, P. Sherwood Burge, Alice M. Turner, Gareth I. Walters

Outbreak of silicosis in workers producing silica-based composite skirting boards

Steven Ronsmans (Leuven, Belgium), Pieter Goeminne, Naïm Jerjir, Vicky Nowé, Eline Vandebroek, Stephan Keirsbilck, Birgit Weynand, Peter H M Hoet, Jeroen A J Vanoirbeek, Wim A Wuyts, Jonas Yserbyt, Benoit Nemery

Late Breaking Abstract - A major outbreak of artificial stone silicosis in Australia: Results from the Victorian Silica-associated Disease Registry

Ryan Hoy (Melbourne (VIC), Australia), Deborah Glass, Dimitriadis Christina, Stellamay Gwini, Fiona Hore-Lacy, Michael Abramson, Karen Walker-Bone, Malcolm Sim

Late Breaking Abstract - Effects of face masks on cardiopulmonary performance in a partly double-blinded randomized cross-over study

Eike Marek (Bochum, Germany), Vera Van Kampen, Birger Jettkant, Benjamin Kendzia, Bianca Strauß, Kirsten Sucker, Melanie Ulbrich, Anja Deckert, Hans Berresheim, Christian Eisenhawer, Frank Hoffmeyer, Simon Weidhaas, Thomas Behrens, Thomas Brüning, Jürgen Bünger

Late Breaking Abstract - Influence of different face masks on the subjective impairment at different physical workloads

Vera van Kampen (Bochum, Germany), Eike Marek, Birger Jettkant, Kirsten Sucker, Benjamin Kendzia, Anja Deckert, Melanie Ulbrich, Hans Berresheim, Frank Hoffmeyer, Simon Weidhaas, Christian Eisenhawer, Thomas Bruening, Juergen Buenger

TP-23

Session

08:30 - 09:30

Thematic poster: Promising new approaches in idiopathic interstitial pneumonias

Disease(s) : [Interstitial lung diseases](#) [Pulmonary vascular diseases](#)

Method(s) : Cell and molecular biology Imaging Transplantation General respiratory patient care Pulmonary function testing Physiology Epidemiology

Chairs : Claudia Valenzuela (Madrid, Spain), Sara Tomassetti (Florence, Italy)

GLPG1205 shows reduction in lung volume decline over 26 weeks vs placebo when measured with novel volumetric CT analysis in IPF patients

muhunthan thillai (CAMBRIDGE, United Kingdom), Kiril Kirov, Eva Santermans, Michael Roberts, Philip Molyneaux, Fahdi Kanavati, Darren Gallagher, Angela De Haas-Amatsaleh, Tom Van Der Aa, Paul Ford, Christian Seemayer, Bernt Van Den Blink, Alessandro Ruggiero

GALACTIC-1: Galectin-3 inhibition in idiopathic pulmonary fibrosis (IPF) – rationale, objectives and design of a 52-week, Phase IIb study of GB0139

Toby Maher (Los Angeles, United States), Marlies Wijsenbeek, Nikhil Hirani, Bertil Lindmark, De Phung, Alison Mac Kinnon, Tariq Sethi, Vassilios Aslanis, Catherine Mc Clinton, Elin Andersen, Hans Schambye, Jie Wang-Jairaj

A phase 2b randomized trial to evaluate LYT-100 in patients with idiopathic pulmonary fibrosis (IPF)

Paul Ford (Hurstpierpoint (W. Sussex), United Kingdom), Vincent Cottin, Kevin Flaherty, Toby Maher, Paul Noble, Marlise Wijsenbeek, Michael Chen, Eric Elenko, Liza Micioni, Heather Paden, Mark Harnett, Julie Krop

Study Design and Rationale for the TETON Phase 3 Clinical Trials of Inhaled Treprostinil in the Treatment of Idiopathic Pulmonary Fibrosis

Steven D Nathan (Falls Church, United States), Jürgen Behr, Vincent Cottin, Lisa Lancaster, Peter Smith, Cq Deng, Natalie Pearce, Heidi Bell, Leigh Peterson, Kevin Flaherty

Continued nintedanib treatment in patients with progressive fibrosing ILDs: interim analysis of INBUILD-ON

Wim A Wuyts (Leuven, Belgium), Francesco Bonella, Nazia Chaudhuri, Francesco Varone, Danielle Antin-Ozerkis, Heiko Mueller, Carl Coeck, Klaus B Rohr, Vincent Cottin

Efficacy of pirfenidone in patients with advanced IPF

Juergen Behr (München, Germany), Wim Wuyts, Harold Haller Jr, Katerina Samara, Klaus-Uwe Kirchgässler, Frank Gilberg, Steven D Nathan

Nebulization performance and lung biodistribution profile of PRS-220, an inhaled CTGF antagonist for the treatment of IPF

Vanessa Neiens (Hallbergmoos, Germany), Marina Pavlidou, Claudia Wurzenberger, Thomas Jaquin, Eva-Maria Hansbauer, Antonio Konitsiotis, Josefine Morgenstern, Cornelia Wurzenberger, Matthias Hagner, Casper Gravensten Salinas, Urmas Roostalu, Gabriele Matschiner, Shane Olwill

Combination antifibrotic therapy in Idiopathic Pulmonary Fibrosis patients: real life experience in an ILD Unit.

Elisa Martinez Besteiro (Madrid, Spain), Maria José Beceiro, María Churruca Arróspide, Daniel Mouhtar, Adrián Peláez, Tamara Alonso, Julio Ancochea, Claudia Valenzuela

Interstitial lung disease with pulmonary hypertension and the potential for inhaled Treprostinil: A single centre perspective

Sheila Ramjug (Altrincham, United Kingdom), Conal Hayton, Pilar Rivera-Ortega, Colm Leonard, Helen Morris, Katie Zakis, Jenna Swale, Theresa Garfoot, Kate Newman, Cristina Avram, John Blaikley, Nazia Chaudhuri

Effects of a twelve-week course of azithromycin on respiratory microbiota in idiopathic pulmonary fibrosis

Pieter-Jan Gijs (Lutry, Switzerland), Cécile Daccord, Eric Bernasconi, Martin Brutsche, Christian Clarenbach, Sabina Guler, Katrin Hostettler, Manuela Funke-Chambour, Christophe Von Garnier

Drug-drug interactions and safety assessment between selective Prolyl-tRNA Synthetase inhibitor, DWN12088, and “pirfenidone” or “nintedanib” in healthy subjects

Min Young Park (Seoul, Republic of Korea), Jihyeon Kim, Jun Hee Nam, Jongwon Choi, Wonsuk Shin, Hyounggyoon Yoo, Anhye Kim

Comparative analysis of fibroblastic foci in patients with idiopathic pulmonary fibrosis and pulmonary sarcoidosis

Jan-Christopher Kamp (Hannover, Germany), Lavinia Neubert, Helge Stark, Jan B. Hinrichs, Caja Boekhoff, Allison D. Seidel, Fabio Ius, Axel Haverich, Jens Gottlieb, Tobias Welte, Peter Braubach, Florian Laenger, Marius M. Hoepfer, Mark P. Kuehnel, Danny D. Jonigk

INV-101, a cannabinoid receptor-1 inverse agonist, reduces fibrosis in a bleomycin mouse model of IPF

Glenn D. Crater (Raleigh, United States), Genevieve Gaucher, Michael Harvey, Francois Ravenelle

Changes in Serum Metabolomics in Idiopathic Pulmonary Fibrosis and effect of approved antifibrotic medication

Benjamin Seeliger (Hannover, Germany), Alfonso Carleo, Pedro David Wendel-Garcia, Jan Fuge, Ana Worboys, Sven Schuchardt, Maria Molina-Molina, Antje Prasse

Serum biomarkers of wound healing and basement membrane remodelling are related to disease severity and prognostic for mortality in idiopathic pulmonary fibrosis

Jannie M. B. Sand (Herlev, Denmark), Pernille Juhl, Nils Hoyer, Thomas S. Prior, Peder Frederiksen, Morten Karsdal, Henrik Jessen, Diana J. Leeming, Elisabeth Bendstrup, Saher B. Shaker, Pernille Juhl

Harnessing the therapeutic power of secretomes to treat IPF

Michael Timaner (Jerusalem, Israel), Tali Fishman-Jacob, Barak Pertzov, Boaz Tadmor, Jason Laufer, Mordechai Kramer, Yuval Shaked

Does hypoxia drive alveolar macrophages to potentiate fibrosis in idiopathic pulmonary fibrosis?

Lauren Davis (Birmingham, United Kingdom), Louise Crowley, Ellen Jenkins, Dhruv Parekh, Elizabeth Sapey, David Thickett, Aaron Scott

Late Breaking Abstract - Patients with a genomic classifier result positive for UIP show a greater decline in lung function when treated with combination immunosuppressive therapy

Athol Wells (London, United Kingdom), Chris Ryerson, Lisa Lancaster, Marla Johnson, Jing Huang, Jeremy Burbanks-Ivey, Eric Morrie, Lori Lofaro, William Bulman, Giulia Kennedy, Ganesh Raghu, Mary Beth Scholand

Late Breaking Abstract - The effect of antifibrotics in patients with different forms of pulmonary fibrosis: data from the Dutch PF registry

Aernoud van Batenburg (Nieuwegein, Netherlands), Gizal Nakshbandi, Catharina Moor, Marlies Wijsenbeek, Jan Grutters

Late Breaking Abstract - National data on prevalence of idiopathic pulmonary fibrosis and antifibrotic drug use in Finnish specialised care

Johanna Salonen (Oulu, Finland), Minna Purokivi, Ulla Hodgson, Riitta Kaarteenaho

TP-19

Session

08:30 - 09:30

Thematic poster: COVID prognosis**Disease(s) :** Respiratory critical care Interstitial lung diseases Airway diseases**Method(s) :** Epidemiology Respiratory intensive care General respiratory patient care Cell and molecular biology Public health**Chairs :** Oriol Sibila Vidal (Barcelona, Spain), Eric Mortensen (Simsbury, United States)**Identification and validation of prognostic models of critical COVID-19 at hospital admission**

Gabriela Cárdenas-Fuentes (Barcelona, Spain), Magda Bosch De Basea, Inés Cobo, Mario Ceresa, Ernest Famada, Elena Gimeno-Santos, Laura Delgado-Ortiz, Rosa Faner, María Molina, Alvar Agustí, Xavier Muñoz, Oriol Sibila, Joaquim Gea, Judith Garcia-Aymerich

Relevance of IFNAR2 variants in the mortality of patients with severe COVID-19

Ingrid Fricke-Galindo (Mexico City, Mexico), Alfonso Martínez-Morales, Gloria Pérez-Rubio, Ivette Buendía-Roldán, Leslie Chávez-Galán, Rafael De Jesus Hernández-Zenteno, Iris Paola Guzmán-Guzmán, Ramcés Falfán-Valencia

MORTALITY PREDICTORS IN COVID-19 PNEUMONIA: RESULTS OF LARGE ROC-ANALISIS

Yuliia Huba (Dnipropetrovsk, Ukraine), Kseniia Bielosludtseva, Lyudmyla Konopkina, Tetyana Pertseva

Hospital admissions in patients with COPD before and during the COVID-19 pandemic

Niklas Andreen (Göteborg, Sweden), Johan Westin, Lowie Vanfleteren

Prognostic factors in hospitalized community-acquired pneumonia

Sabrine Majdoub Fehri (Nabeul, Tunisia), Rahma Sellami, Imen Ketata, Wafa Madi, Racem Ammar, Hamida Kwass

Mortality of hospitalized COVID-19 patients that were residents of nursing homes

Galateia Verykokou (Athens, Greece), Vassiliki Apollonatu, Andriana Papaioannou, Anastasios Vogiatzoglou, Konstantinos Roukas, Diamantis Chloros, Christos Kyriakopoulos, Christos Chronis, Christina Aggelopoulou, Deniz Gundogdu, Pinelopi Schoini, Dimitra Kavatha, Effrosyni Manali, Spyros Papis, George Tsoukalas, Konstantinos Kostikas, Evangelia Fouka, Dimitrios Boumpas, Stelios Loukides

Risk factors for long term hospitalization in patients with COVID19

Sabrine Majdoub Fehri (Nabeul, Tunisia), Imen Ketata, Wafa Madi, Rahma Sellami, Hamida Kwass

IMPACT SHORT-LONG TERM EXPOSURE OF AIR POLLUTION ON COVID-19 OUTCOME.

Elien De Waele (Sint-Niklaas, Belgium), Stijn Vos, Dries Martens, Esmée Bijmens, Geert Mistiaen, Geert Dewyspelaere, Tim Nawrot, Pieter Goeminne

what relationship between eosinophilia and covid19 prognosis?

Imen ketata (Gabes, Tunisia), Sabrine Majdoub Fehri, Wafa Madi, Rahma Sellami, Hamida Kwass

Elevated serum levels of soluble ST2 in severe COVID-19: as a potential biomarker for invasive mechanical ventilation

Hideki Inoue (Tokyo, Japan), Yosuke Fukuda, Shin Ohta, Tetsuya Homma, Kaoru Mochizuki, Hitoshi Ikeda, Takaya Ebato, Hatsuko Mikuni, Tomoko Okazaki, Tomoki Uno, Yoshitaka Uchida, Tomoyuki Kimura, Yoshito Miyata, Kuniaki Hirai, Sojiro Kusumoto, Shintaro Suzuki, Akihiko Tanaka, Hironori Sagara

Vitamin D deficiency is not related to adverse COVID-19 outcomes

Balamugesh Thangakunam (Vellore (Tamil Nadu), India), Barney Isaac, Flavita John, Rajasekar Sekar, Prasanna Samuel, Deepa Shankar, Devasahayam J Christopher

Prognostic implications of comorbidity patterns in critically ill COVID-19 patients.

Jordi De Batlle Garcia (Lleida, Spain), Iván D Benítez, Gerard Torres, Jessica González, David De Gonzalo-Calvo, Adriano D S Targa, Antoni Torres, Ferran Barbé

COVID-19 in Ventilated Elderly Patients: Data from 52 Intensive Care Units in Spain

Catia Cilloniz Campos (Barcelona, Spain), Anna Motos, Albert Gabarrus, Juan Manuel Pericas, Laia Fernandez, Tatiana Guadalupe Castañeda, Andrea Palomeque, Adrian Cecato, Antoni Torres

Endocrine, metabolic and hepatic dysfunction in patients with COVID-19 pneumonia with severe and critically ill status

Ahmed Elesdoudy (Menouf (el menoufia), Egypt)

Overweight, obesity and COVID19 pneumonia in a real life clinical setting; Does size really matter?

ANTONIS XIPOLITOS (ATHENS, Greece), Elli Keramida, Elena Bellou, Thodoris Daskalos, Ioannis Karampinis, Panagiotis Demertzis, Georgia Hardavella

Retrospective evaluation of high dose systemic steroids therapy on mortality of hospitalized COVID pneumonia patients

Vratislav Sedlák (Hradec Králové 9, Czech Republic), Vladimír Koblížek, Michal Kopecký, Ivo Jarolímeck, Martin Sedláček

Predictive factors of mortality in hospitalized patients with 2019 novel coronavirus pneumonia.

Nouha Boubaker (Nabeul, Tunisia), Sabrine Louhaichi, Besma Hamdi, Jamel Ammar, Agnès Hamzaoui

Back to basics: complete blood count parameters and the neutrophil-to-lymphocyte ratio as prognostic factors in hospitalized patients with COVID-19

Marija Topalovic (Nis, Republic of Serbia), Borislav Bozanic, Tatjana Pejcic, Aleksandra Ignjatovic, Vuk Pejcic, Desa Nastastijevic Borovac, Marko Bjelakovic, Marija Marinkovic

Is smoking a risk factor for severe outcomes in COVID-19?

Souha Abdenneji (Tunis, Tunisia), Wafa Fekih, Iheb Ben Krayen, Jamel El Ghoul

Prognosis for ICU Admission in hospitalized patients with Coronavirus diseases -19 (COVID-19)

Adamadia Liapikou (Athens, Greece), Nikos Tselonis, Eleni Dionelli, Alexandra Kote, Aggeliki Sotiropoulou, Panagiotis Peristeris, Ioanna Augerinou, Ioannis Dimitroulis

TP-3 Session 08:30 - 09:30**Thematic poster: Management of respiratory chronic conditions in primary care**Disease(s) : **Airway diseases** **Interstitial lung diseases** **Pulmonary vascular diseases** **Sleep and breathing disorders**

Method(s) : General respiratory patient care Public health Pulmonary rehabilitation Epidemiology Pulmonary function testing

Chairs : Janwillem W. H. Kocks (Groningen, Netherlands), María Mar Martínez Vázquez (Bilbao (Bizkaia), Spain)

Symptom profile in obese COPD (Chronic Obstructive Pulmonary Disease) patients compared with non-obese patients: retrospective evaluation in the French overseas department of Reunion Island (period 2015-2020).

Bashir Omarjee (Saint-Denis (La Réunion), Reunion), Suren Budhan

ANXIETY SCREENING IN PATIENTS WITH COPD

Enrique Barrueco-Otero (), Belén Refoyo-Matellán, Tamara Clavero-Sánchez, Maria Bartol-Sánchez, Laura Gil-Pintor, Cristina Juliá-Alvarez, Vanesa Hidalgo-Sierra, Miguel Barrueco-Ferrero, Javier Perez-Rodriguez, Miguel Angel Hernandez-Mezquita

Simple clinical phenotypes as predictor of all-cause mortality in the real-life COPD cohort (post-hoc analysis of the Czech data from POPE Study)

Vladimir Koblizek (Hradec Králové, Czech Republic), Michal Svoboda, Jana Kocianova, Stanislav Holub, Vladimir Zindr

Using UK primary care electronic health records to understand diagnostic pathways for chronic breathlessness

Urvee Karsanji (Leicestershire, United Kingdom), Claire A Lawson, Jennifer K Quint, Kamlesh Khunti, Emily Petherick, Michael C Steiner, Rachael A Evans

Is CPAP Therapy improving the Cardiovascular Outcome in Patients with Obstructive Sleep Apnea?

Anca Diana Maiercan (), Damiana Maria Vulturar, Ioana Maria Chetan, Doina Adina Todea

Sleep-tracking device compared to polysomnography for respiratory events and sleep architecture analysis

Maria De Los Angeles Zambrano Chacon (MADRID, Spain), Julia Herrero Huertas, Maria Fernanda Troncoso Acevedo, Marcel José Rodríguez Guzmán, Cristina Patricia Esteban Amarilla, Laura Núñez García, Laura De La Dueña Muñoz, Carlos López Chang, María Jesús Rodríguez Nieto

Subjective swallowing symptoms in COPD, a 2-year follow up

Margareta Gonzalez Lindh (Gävle, Sweden), Björn Stållberg, Maria Hårdstedt, Andrei Malinovski, Kristina Bröms, Karin Lisspers, Andreas Palm, Christer Janson, Marieann Högman

The STREET (Structured Efficient E-Tracking) Project for early COPD Diagnosis and Care

Manlio Milanese (Pietra ligure (SV), Italy), Roberta Pennazio, Adriana Brusa, Giancarlo Conte, Alessandro Cavaliere, Giovanni Cavallaro, Monica Cirone

Factors associated with COPD exacerbations in emergency services

Angela Maria Giraldo Montoya (Pereira, Colombia), Giovanni García Castro

Perceptions of Australian general practitioners on e-cigarettes as a smoking cessation aid

Melis Selamoglu (Melbourne, Australia), Bircan Erbas, Hester Wilson, Jamie Brown, Chris Barton

The relationship between peak inspiratory flow rate (PIFR) and COPD severity measured as FEV1%predicted, and other lung function parameters in 33304 tests in patients at two different sites in Karolinska University Hospital in Stockholm, Sweden.

Martin Anderson (Hägersten, Sweden), Esther Sailer, Evelina Björk, Thomas Gustafsson

Informing an intervention to improve referral to Pulmonary Rehabilitation (PR) for patients with Chronic Obstructive Pulmonary Disease (COPD): A survey of primary health care practitioners.

Jane Watson (Epsom, United Kingdom), Rachel Jordan, Peymane Adeb, Sheila Greenfield

Multidisciplinary perspectives on the role of primary care in managing chronic breathlessness
Anthony Paulo Sunjaya (Sydney, Australia), Allison Martin, Clare Arnott, Christine Jenkins

Maximizing the benefit from the Inhaler In Order to Minimize Carbon Footprint
Mark Nagel (London (ON), Canada), Cathy Doyle, Rubina Ali, Jason Suggestt

To Assess Metered-dose Inhalers With Spacer Technique Among Postgraduate Trainee Doctors
Raza Ullah (Peshawar, Pakistan), Tahir Iqbal, Shahida Naz

Relation of health-related quality of life and caregiver anxiety and depression in primary ciliary dyskinesia
Mina Hizal (Ankara, Turkey), Pinar Zengin Akkus, Dilber Ademhan Tural, Sanem Eryılmaz Polat, Nagehan Emiralioğlu, Elif Ozmert, Sevilay Karahan, Ebru Yalcin, Deniz Dogru, Nural Kiper, Ugur Ozcelik

Carbon footprint of inhalers in respiratory treatment: SABA CARBON International
Ashraf Alzaabi (Abu Dhabi, United Arab Emirates), John Bell, Felicia Montero-Arias, David Price, David Jackson, Hao-Chien Wang, Nigel Budgen, Hisham Farouk, Ekaterina Maslova

Knowledge about practical aspects of use of inhaler devices among primary care practitioners in India
Monica Barne (Pune (Maharashtra), India), Sapna Madas, Medha Bargaje, Swati Joshi, Amit Karad, Vaishali Naik, Sundeep Salvi

Frontline health care worker delivered interventions for improving outcomes in people with chronic respiratory diseases in resource limited settings
Paul Jebaraj (Vellore, India), RITA ISAAC, Biswajit Paul, Deepa Das, Hilory Pinnock, John Norrie, David Weller

TP-15

Session

08:30 - 09:30

Thematic poster: Lung infections in children: from COVID-19 to postinfectious bronchiolitis obliterans

Method(s) : General respiratory patient care Public health Pulmonary function testing Epidemiology Cell and molecular biology

Chairs : Refiloe Masekela (Pretoria, South Africa), Mieke Boon (Wilsel, Belgium)

Respiratory functions in the follow-up of children with COVID-19 infection

Sule Selin AKYAN SOYDAŞ (ANKARA, Turkey), Ece Ocak, Murat Yasin Gençoğlu, Salih Uytun, Satı Özkan Tabakçı, Sanem Eryılmaz Polat, Gökçen Dilşa Tuğcu, Saniye Girit, Yetkin Ayhan, Gülseren Esen Besli, Sevlilya Öcal Demir, Erkan Çakır, Hakan Yazan, Özden Türel, Burcu Bursal Duramaz, Haluk Çokuğraş, Ayşe Ayzıt Kılınc, Azer Kılıç Başkan, Pinar Önal, Sevgi Pekcan, Gökçen Ünal, Aslı İmran Yılmaz, Özge Metin Akcan, Gökçen Kartal Öztürk, Burçin Beken, Bülent Karadağ, Ela Ertem Eralp, Yasemin Gökdemir, Mina Hizal, Emine Vezir, Ayşe Tana Aslan, Tuğba Şişmanlar Eyüboğlu, Anıl Aktaş Tapırsız, Tuğba Bedir Demirdağ, Sedat Öktem, Emine Atağ, Füsün Ünal, Güzin Cinel

Respiratory function and symptoms after acute COVID-19 infection in children and adolescents

Alicia Mitchell (Sydney, Australia), Brendan Kennedy, Brooke Bailey, Beth Weldon, Tatiana Diaz Rodriguez, Philip Britton, Hiran Selvadurai

Prospective respiratory follow-up of children with COVID-19, 6-months post-diagnosis

Marita Antoniadis (Athens, Greece), Dimitra-Irinna Vitoratou, Patra Koletsi, Despina-Zoe Mermiri, Athina Papadopoulou, Stavroula Kostaridou

Evaluation of Pulmonary Function Tests of Patients Diagnosed with Multisystem Inflammatory Syndrome in Children (MIS-C)

Salih Uytun (Ankara, Turkey), Murat Yasin Gençoğlu, Şule Selin Akyan Soydaş, Ece Ocak, Satı Özkan Tabakçı, Gökçen Dilşa Tuğcu, Sanem Eryılmaz Polat, Tuğba Bedir Demirdağ, Güzin Cinel

Clinical features of COVID-19 among children with recurrent respiratory infections in Ukraine

Tetiana Harashchenko (Kyiv, Ukraine), Tetiana Umanets, Volodymyr Lapshyn, Tetiana Kaminska, Yuriy Marushko, Victoria Khomenko, Yurii Antipkin

Varying numbers of acute wheezing cases presenting to paediatric emergency during the COVID-19 pandemic

Kah Wee Teo (Glenfield, United Kingdom), Deepa Patel, Shilpa Sisodia, Damian Roland, Erol Gaillard, Julian Wei-Tze Tang

Pediatric admissions due to respiratory diseases during the COVID-19 pandemic

Dana Pe'er Moscovich (Jerusalem, Israel), Diana Averbuch, Dana Wolf, Oded Breuer

RSV circulation during SARS-CoV-2 pandemic era: what happened in Italy

Luigi Matera (Rome, Italy), Raffaella Nenna, Antonella Frassanito, Maria Giulia Conti, Greta Di Mattia, Laura Petrarca, Enrica Mancino, Domenico Paolo La Regina, Gian Luigi Marseglia, Amelia Licari, Salvatore Leonardi, Sara Manti, Luana Nosetti, Alessandra Pierangeli, Carolina Scagnolari, Margherita Di Jorgi, Alessia Solco, Chiara Moriano, Simone Crinò, Enea Bonci, Fabio Midulla

Features of an aseasional 2021 RSV epidemic in the UK and Ireland: analysis of the first 10,000 patients

Steve Cunningham (Edinburgh (Scotland), United Kingdom), Damian Roland, Thomas Williams, Mark Lyttle, Robin Marlow, Pia Hardelid, Ian Sinha, Olivia Swann, Abigail Maxwell-Hodkinson

Prognostic value of vitamin D status in young children with viral-induced wheeze

Kateryna Hodiatska (Dnipro, Ukraine)

The clinical significance of thrombocytosis in children with viral respiratory tract infections

Sergei Elber-Dorozko (Jerusalem, Israel), Liya Kerem, Dana G. Wolf, Yaacov Berkun, Oded Breuer

Respiratory syncytial virus (RSV) infection in children with neuromuscular diseases (NMD): a literature review & a survey of Palivizumab prophylaxis in the UK

Andrew Willard (Leicester, United Kingdom), Trinity Axelson, Kamini Jain

Rapid mobilisation of parent champions empowers vulnerable families on bronchiolitis.

Alice Lee (Liverpool, United Kingdom), Hazel Blackham, Hibba Khalil, Kalina Mlodawska, Katie Parry, Katie Sefton, Nicola Lynch, Bernie Carter, Daniel Hawcutt, Ian Sinha

Clinical features, bronchoscopic findings and microbiology of children with chronic endobronchial suppuration in Greece

Maria Eleni Papakonstantinou (Athens, Greece), Konstantinos Douros, Alexandra Krontsi, Adamadia Savvopoulou, Olympia Sardeli, Dafni Moriki, Angeliki Galani

Efficacy of antibiotic eradication therapy of early Pseudomonas aeruginosa infection in children with primary ciliary dyskinesia

Dvir Gatt (Beer Sheva, Israel), Michelle Shaw, Wallace B Wee, Melinda Solomon, Sharon Dell, Felix Ratjen

The airway microbiota in siblings with primary ciliary dyskinesia: related factors and correlation with clinical characteristics

Dilber Ademhan Tural (Ankara, Turkey), Merve Kasikci, Ozlem Altay, Sanem Eryilmaz Polat, Beste Ozsezen, Mina Hizal, Birce Sunman, Halime Nayir Buyuksahin, Ismail Guzelkas, Tugba Yuksel Dolgun, Nagehan Emiralioglu, Ebru Yalcin, Deniz Dogru, Nural Kiper, Gulsen Hascelik, Kadir Serdar Diker, Ugur Ozcelik

Title: Bacterial profile by age in paediatric Non-CF Bronchiectasis (NCFB)

Kirstin Unger (Edinburgh, United Kingdom), Mohammad Dazham, Stefan Unger

Outcome of post-infectious bronchiolitis obliterans (PIBO) among children in Malaysia

Sze Chiang Lui (Kuala Lumpur, Malaysia), Che Zubaidah Che Daud, N.Fafwati Faridatul Akmar Mohammad, Maria Kamal, Azizah Musa, Nor Khailawati Sharibudin, Hafizah Zainuddin, Farizah Mohd Hairi, Eu Ann Gan, Pavithira Devi Kailasam, Eunice Chin Nien Ng, Cheng Guang Gan, Alifah Alias, Mohd Shahrul Fahmi Abu Osman, Hasliza Razak, Siti Aishah Abd Rahim, Wen Ying Ng, Asiah Kassim

Evaluation of machine learning to detect adventitious lung sounds using digital auscultation to aid childhood pneumonia diagnosis

Salahuddin Ahmed (Dhaka, Bangladesh), Harish Nair, Steven Cunningham, Abdullah Baqui, Eric Mccollum

Discriminating between paediatric bacterial and viral lower respiratory tract infection (LRTI) to guide antibiotic decision making: a systematic review

Jonathan Twynam-Perkins (Edinburgh, United Kingdom), Bohee Lee, Steve Cunningham, David Dockrell

TP-14

Session

08:30 - 09:30

Thematic poster: Paediatric lung function: new recommendations and evolution in ex-preterm**Disease(s) :** Airway diseases**Method(s) :** Pulmonary function testing Physiology Imaging Epidemiology General respiratory patient care Cell and molecular biology**Chairs :** Enrico Lombardi (Florence, Italy), Iulia Cristina Ioan (Vandoeuvre-Les-Nancy, France)**Childhood Re-Admission Following Preterm Birth Predicts Respiratory Morbidity at 19 Years**

Elizabeth Smith (Beaconsfield (WA), Australia), Naomi Hemy, Jasmine Grdosic, Andrew Wilson, Conor Murray, Denby Evans, Graham Hall, Shannon Simpson

Association of air pollution exposure at birth and in childhood with lung function in preterm-born school-aged children

Chris Course (Cardiff, United Kingdom), John Watkins, Sarah Kotecha, Sailesh Kotecha

Effect of IUGR and catch-up growth on later lung function in preterm children: prospective cohort study

Sarah Kotecha (Cardiff (South Glamorgan), United Kingdom), Michael Cousins, Kylie Hart, W John Watkins, Sailesh Kotecha

Extremely preterm born adults from the pre-surfactant era have increased COPD risk

Tonje Bårdsen (Bergen, Norway), Merete Benestad, Ola Røksund, Hege Clemm, Thomas Halvorsen, Maria Vollsæter

Combined inhaled corticosteroids with long-acting beta-2 receptor agonists improve spirometry deficits in school-aged children with preterm lung disease

Michael Cousins (Cardiff (South Glamorgan), United Kingdom), Nia Goulden, Kylie Hart, Alison Jenkins, Gill Willetts, Louise Yendle, Iolo Doull, E Mark Williams, A John Henderson, Zoe Hoare, Sailesh Kotecha

Detecting reversible airway disease in those born preterm – which is the best test?

Tiffany Bradshaw (Perth, Australia), Shannon Simpson, Denby Evans, Naomi Hemy, Rhea Urs, Elizabeth Smith

Oscillometry in preterm-associated obstructive and non-obstructive lung disease

Michael Cousins (Cardiff (South Glamorgan), United Kingdom), Kylie Hart, Chris Course, Bence Radics, Zoltan Hantos, Peter Sly, Sailesh Kotecha

Specific respiratory conductance by forced oscillations reveals ventilation inhomogeneity in patients with cystic fibrosis

Sotirios Fouzas (Patras, Greece), Maria Gioulvanidou, Christos Kogias, Elisavet-Anna Chrysochoou, Aris Bertzouanis, Michael Anthracopoulos, John Tsanakas, Elpis Hatziagorou

Feasibility and Inter-Test Reproducibility of Lung Clearance Index in Children with Neuromuscular Disorders

Grace Pettigrew (Perth, Australia), Jenny Lam, Adelaide Withers, Andrew Wilson

Feasibility of respiratory muscle assessment tests in children with neuromuscular disease

Yama Latif (Cambridge, United Kingdom), Matthew Rose, Theofilos Polychronakis

Retrospective assessment of changes in bronchial obstruction severity interpretation in children according to new recommendations

Nicole Beydon (Paris, France), Jessica Assouline, Marc Koskas, Marie-Claude La Rocca, Fatma Lacin, Lucia Maingot-Sandu, Noria Medjahdi, Houda Saleh-Guillo

Retrospective assessment of changes in bronchial reversibility interpretation in children according to new recommendations

Nicole Beydon (Paris, France), Jessica Assouline, Marc Koskas, Marie-Claude La Rocca, Fatma Lacin, Lucia Maingot-Sandu, Noria Medjahdi, Houda Saleh-Guillo

Evaluation of lung volumes in Caucasian and African-Caribbean asthmatic children using GLI reference equations

Iulia Cristina Ioan (Vandoeuvre-Les-Nancy, France), Nicole Beydon

Late Breaking Abstract - Does infant lung function affect clinical management in children with cystic fibrosis?

Michele Arigliani (London, United Kingdom), Sidrah Chaudhry, Rossa Brugha, Ranjan Suri, Paul Aurora

Late Breaking Abstract - Impact of routine spirometry on clinical decisions and quality of life in children: an open-label randomised controlled trial

Wicharn Boonjindasup (Bangkok, Thailand), Julie Marchant, Margaret Mcelrea, Stephanie Yerkovich, Ian Masters, Ann Chang

Late Breaking Abstract - Effect of different stimulating waveforms on the derivation of oscillometry spectral parameters in asthmatic children

Pasquale Pio Pompilio (Milano (MI), Italy), Giuliana Ferrante, Alessandro Gobbi, Laura Venditto, Michele Piazza, Raffaele Dellacà, Giorgio Piacentini

Late Breaking Abstract - Prediction of adolescent asthma outcomes using childhood lung function

Hans Jacob Koefoed (Groningen, Netherlands), Jenny Hallberg, Jolanda Boer, Ulrike Gehring, Roel Vermeulen, Inger Kull, Anna Bergström, Judith M. Vonk, Gerard H. Koppelman, Erik Melén

Late Breaking Abstract - Type 2-high airway inflammation in childhood asthma distinguishes a more severe phenotype

Frederikke Rosenvinge Skov (Gentofte, Denmark), Bo Chawes, Klaus Bønnelykke, Jakob Stokholm, Hans Bisgaard, Ann-Marie Malby Schoos

TP-8 Session 08:30 - 09:30

Thematic poster: COPD management: comorbidities, cohorts and real-world studies

Disease(s) : Airway diseases

Method(s) : Epidemiology General respiratory patient care Physiology Pulmonary function testing Pulmonary rehabilitation

Chairs : Carolina Maria Gotera Rivera (Madrid, Spain), Chair to be confirmed

Changes in critical inhaler technique errors in inhaled COPD treatment – a one-year follow-up study in Sweden

Johanna Sulku (Gävle, Sweden), Christer Janson, Håkan Melhus, Björn Stållberg, Kristina Bröms, Marieann Högman, Karin Lisspers, Andrei Malinowski, Elisabet Nielsen

Exacerbation outcome definitions in clinical trials of COPD interventions: a systematic review

Thomas Bradbury (Newtown, Australia), Sachin Ananth, Sikandar Hussaini, Alexander Mathioudakis, Rebecca Nguyen, Christine Jenkins

Clinically important deterioration in patients with COPD: a post-hoc analysis of ETHOS

Dave Singh (Manchester, United Kingdom), Fernando J Martinez, John R Hurst, Meilan Han, Patrick Darken, Mehul Patel

Estimation and visual representation of hospital costs after an acute exacerbation of COPD. COHERENT-COPD study.

Maria Teresa Tejedor Ortiz (Madrid, Spain), Joaquín Sánchez-Covisa Hernández, Clara Goñi Echeverría, Héctor Bueno Zamora, José Luis Bernal Sobrino, Mónica Juárez Campo, Maria Piñeiro Roncal, Gema María Siesto López, Carlos José Alvarez Martínez

Effect of a technology-enabled respiratory in-reach service on reduction in the inappropriate use of oral corticosteroids (OCS) for suspected Airways Disease exacerbations (ADE) in an acute general hospital

Alain Al Helou (Solihull, United Kingdom), Gajan Chellappah, Kayleigh Jones, Paul Ellis, Adel Mansur, Rahul Mukherjee

Clinical efficacy of anemia of chronic disease treatment in patients with COPD.

Anna Kovchun (Sumy, Ukraine), Vladyslava Kachkovska, Anna Bondarkova, Lyudmyla Prystupa

Time trends (2012-2020) and sex differences for influenza vaccination uptake among individuals with chronic obstructive pulmonary disease in Spain.

IRENE MILAGROS DOMINGUEZ ZABALETA (Madrid, Spain), Marta Fuentes Alonso, Cristhian Alonso Correa Gutiérrez, Cristina Sanchez Gutierrez, Gabriella Manzanares Cavi, Manuel Mor Martinez, Luis Puente Maestu, Javier De Miguel Diez

Reduced exacerbations following switch from multiple-inhaler to once-daily single-inhaler triple therapy in COPD patients in a real-world primary care setting in England

Kieran Rothnie (London, United Kingdom), Robin Wood, Alexandros Czira, Vicky Banks, Lucinda Camidge, Olivia Massey, Monica Seif, Chris Compton, Raj Sharma, Afisi Ismaila

Identifying risk of first COPD exacerbation in COPD patients in GOLD group A/B in the UK

Kieran Rothnie (London, United Kingdom), Steven Gelwicks, Beade Numbere, Yifel Lu, Raj Sharma, Chris Compton, Afisi Ismaila

COPD as a risk factor for Coronary Artery Disease (CAD): Overview of 10-year atherosclerotic cardiovascular disease (ASCVD) risk assessment

Daniela Buklioska Ilievska (Skopje, North Macedonia), Jordan Minov, Nade Kochovska Kamchevska, Ivana Mickovski, Taner Hasan, Marjan Baloski, Radmila Neshovska, Natasha Nedeska Minova, Biljana Prgova-Veljanova, Daniela Doneva, Vanche Trajkovska, Magdalena Simeonova, Jane Bushev

Utilization of exacerbation-related drugs by COPD patients with Arg16Gly polymorphism of ADRB2 gene

Kostiantyn Dmytriiev (Vinnitsya, Ukraine), Yuriy Mostovoy, Nataliia Slepchenko, Yuliia Smereka, Dmytro Dmytriiev, Kateryna Dmytriieva

Compliance to pharmacological therapy of COPD patients with skeletal muscle dysfunction

Vitalii Poberezhets (Vinnitsya, Ukraine), Anna Demchuk, Yuriy Mostovoy

Risk factors and guideline adherence of empiric antibiotic use in community-acquired pneumonia

Sergi Pascual Guardia (Barcelona, Spain), Judith Marin-Corral, Francesco Amati, Stefano Aliberti, Manuela Carugati, Oriol Sibila, Francisco Sanz, Alejandro Rodríguez, Giovanni Sotgiu, Pedro J. Marcos, Marcos I. Restrepo, . On Behalf Of Glimp Investigators

The role of physical rehabilitation in the treatment of COPD

Kostiantyn Shvets (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Oleksandr Varunkiv, Iryna Savelikhina, Mariana Kulynych-Miskiv, Galyna Korzh, Nadiia Korzh, Kseniia Ostrovskaya

A 7-year retrospective evaluation of incidence of exacerbations in COPD patients pre and post pneumococcal vaccination. Results from RETRIEVE study.

Efthymia Papadopoulou (Thessaloniki, Greece), Maria Bertoli, Alexandros Ginis, Stavros Tryfon

Association between sub-optimal medication adherence and risk of COPD diagnosis in patients with physician-diagnosed asthma: A propensity score-based analysis

Michael Asamoah-Boaheng (St John's, Canada), Jamie Farrell, Kwadwo Osei Bonsu, Alwell Oyet, William K Midodzi

Rescue medication use in patients with chronic obstructive pulmonary disease receiving umeclidinium/vilanterol versus tiotropium bromide/olodaterol in England

Gema Requena (Brentford, United Kingdom), Alexandrosz Czira, Victoria Banks, Robert Wood, Theo Tritton, Catherine Castillo, Jie Yeap, Rosie Wild, Chris Compton, Maria Duarte, Kieran Rothnie, Afisi Ismaila

Comparative effectiveness of umeclidinium/vilanterol versus indacaterol/glycopyrronium on acute exacerbations in patients with chronic obstructive pulmonary disease in England

Gema Requena (Brentford, United Kingdom), Alexandrosz Czira, Victoria Banks, Robert Wood, Theo Tritton, Catherine Castillo, Jie Yeap, Rosie Wild, Chris Chris Compton, Maria Duarte, Kieran Rothnie, Afisi Ismaila

A 7-year retrospective evaluation of lung function in COPD patients pre and post pneumococcal vaccination. Results from RETRIEVE study.

Efthymia Papadopoulou (Thessaloniki, Greece), Maria Bertoli, Alexandros Ginis, Stavros Tryfon

Nebulizer use in tobacco-exposed SPIROMICS participants with or at risk of COPD

Jane Fazio (Los Angeles, United States), Andrew Hong, Daniela Markovic, R. Graham Barr, Eugene Bleecker, Russell P. Bowler, David Couper, Jeffrey L. Curtis, Brad Drummond, Spyridon Fortis, Meilan Han, Lindsay Holland, Victor Kim, Fernando J. Martinez, Jill Ohar, Victor E. Ortega, Robert Paine, Michael Wells, Prescott Woodruff, Russell Buhr, Christopher B. Cooper, Donald Tashkin, Igor Barjaktarevic

TP-9 Session 08:30 - 09:30**Thematic poster: Studies targeting IL-5 pathways in asthma****Disease(s) :** **Airway diseases****Method(s) :** General respiratory patient care Pulmonary function testing Cell and molecular biology Public health Epidemiology Physiology**Chairs :** Celeste Michala Porsbjerg (Copenhagen, Denmark), Juan José Nieto Fontarigo (Santiago De Compostela, Spain)**Temporal trend of benralizumab safety profile in severe asthma: a cumulative meta-analysis**

Luigino Calzetta (Roma (RM), Italy), Josuel Ora, Francesco Cavalli, Rossella Laitano, Paola Rogliani

Reduction in work and activity impairment within 6 months of benralizumab initiation in Canadians with severe eosinophilic asthma

Erika Penz (Saskatoon, Canada), Sheena Kayaniyil, Brett Lancaster, Bruno Francoeur, Jason K Lee, Marcel Mallet, Olga Tourin, Warren Ramesh, Masoud Mahdavian, Brandie L Walker, Zenon Belak, Amin Thawer, Vivek Dhawan, Lawrence Mbuagbaw, Stephen G Noorduyn

Influence of baseline FEV1 on improvement in severe eosinophilic asthma with mepolizumab

Francisco-Javier Gonzalez Barcala (Santiago de Compostela, Spain), Marina Blanco-Aparicio, Ana Gómez-Bastero, Gregorio Soto-Campos, David Bañas Conejero, M Guadalupe Sánchez-Herrero

REDES study: Mepolizumab is effective in patients with severe eosinophilic asthma and comorbid NP

Ebymar Arismendi Nunez (Vilassar de Dalt, Barcelona, Spain), Carolina Cisneros, Marina Blanco-Aparicio, David Bañas Conejero, Abraham L. Moure, M Guadalupe Sánchez-Herrero

Clinical effectiveness of benralizumab in clinical practice in Spain.

Pilar Ausin Herrero (Barcelona, Spain), Alberto Levy, Alicia Padilla Galo, Isabel Moya Carmona, Elisa Luzón Alonso, Jesús Sánchez Tena, Gustavo Resler

Arthritis, a new adverse effect of anti-IL5 biologics in severe asthma patients?

Clairelyne Dupin (Paris, France), Lise Morer, Mathilde Phillips-Houlbracq, Lou Deneuille, Mathilde Lebrun, Laure Tabeze, Pierre-Antoine Juge, Camille Taille

Sustained improvement of asthma control over 6 months of benralizumab treatment in Canadians with severe asthma

Stephen Noorduyn (Mississauga, Canada), Stephen G Noorduyn, Sheena Kayaniyil, Brett Lancaster, Bruno Francoeur, Jason K Lee, Marcel Mallet, Olga Tourin, Warren Ramesh, Masoud Mahdavian, Brandie L Walker, Zenon Belak, Amin Thawer, Vivek Dhawan, Lawrence Mbuagbaw, Erika Penz

Benralizumab continues to improve quality of life after 6 months of treatment in Canadians with severe eosinophilic asthma

Erika Penz (Saskatoon, Canada), Sheena Kayaniyil, Brett Lancaster, Bruno Francoeur, Jason K Lee, Marcel Mallet, Olga Tourin, Warren Ramesh, Masoud Mahdavian, Brandie L Walker, Zenon Belak, Amin Thawer, Vivek Dhawan, Lawrence Mbuagbaw, Stephen G Noorduyn

First Outcomes of Anti-IL5 Biological Therapy in Patients with Severe Asthma in Croatia

Dina Rnjak (Zagreb, Croatia), Anamarija Štajduhar, Sanja Popović-Grle, Nikola Ferara, Iva Jelavić, Marina Lampalo

Effects of benralizumab in patients affected by severe eosinophilic asthma and chronic rhinosinusitis with nasal polyps

Carla Santomasi (Bari, Italy), Enrico Buonamico, Silvano Dragonieri, Ernesto Lulaj, Leonardo Maselli, Ilaria Iorillo, Sara Piccinno, Alessandro Capuano, Madiha Ahroud, Ilaria Dei Lazzaretti, Lucia Iannuzzi, Giovanna Elisiana Carpagano

Clinically relevant benefit of mepolizumab and benralizumab in asthma following EGPA in real-life settings

Charlène Desaintjean (Lyon, France), Mouhamad Nasser, Kais Ahmad, Julie Tracllet, Ségolène Turquier, Jean-Charles Glérant, Vincent Cottin

Dual Biologic therapy- is it safe in patients with concomitant severe asthma and other immune-mediated diseases?

María Eugenia Navarrete Rouco (Barcelona (Barcelona), Spain), Nuria Carballo, Irina Bobolea, Eva Martínez-Moragón, Silvia Pascual.Erquicia, Moises Labrador, Miguel Angel Racionero, Pilar Ausin

Clinical improvement in REDES study stratified by blood eosinophil reduction after mepolizumab treatment

Christian Domingo Ribas (Sabadell (Barcelona), Spain), Rocío Díaz-Campos, Tamara Hermida-Valverde, Ebymar Arismendi, David Bañas Conejero, M Guadalupe Sánchez-Herrero

Real world use of mepolizumab in Severe Asthma according to smoking status

Juan Luis García Rivero (Argoños (Cantabria), Spain), Eva Martínez-Moragón, Celia Pinedo, Nuria Marina, David Bañas Conejero, M Guadalupe Sánchez-Herrero

Real-life biomarker response to anti-IL5 and anti-IgE therapies in severe asthma patients

John Townend (Norwich, United Kingdom), Sarah Burkill, Celeste M. Porsbjerg, Arnaud Bourdin, Trung N Tran, Neil Martin, Rohit Katial, Peter Barker, Michael E Wechsler, Jorge Maspero, Sinthia Bosnic-Anticevich, Li Ping Chung, Gregory Katsoulotos, George C Christoff, Todor A Popov, Mohsen Sadatsafavi, Carlos A Torres-Duque, Charlotte Ulrik, Karin Dahl Assing, Susanne Hansen, Alan Altraja, Lauri A Lehtimäki, Nikolaos G Papadopoulos, Konstantinos Kostikas, Sundeep Salvi, Richard W Costello, Puggioni Francesca, Takashi Iwanaga, Chin Kook Rhee, Mona Al-Ahmad, Desiree Larenas-Linnemann, Joao A Fonseca, Rita Amaral, Kjell Alving, Riyadh Al-Lehebi, Luis Perez De-Llano, Bruce Kirenga, Ming-Ju Tsai, Bassam Mahboub, Paul E Pfeffer, William Henley, Yang Liu, Juntao Lyu, Celine Goh, Thendral Uthaman, David Price

Cost-effectiveness of benralizumab in patients with uncontrolled severe eosinophilic asthma in Spain

Maria Mareque (Madrid, Spain), Mónica Climente, Eva Martínez-Moragón, Alicia Padilla, Itziar Oyagüez, Carolina Tournon, Covadonga Torres

Effect of biological therapies on the rate of exacerbations in patients with severe eosinophilic asthma

Antonio Menéndez (Granada, Spain), Susana Rojo-Tolosa, Cristina Pérez-Ramírez, Jose Antonio Sánchez-Martínez, María Victoria González-Gutiérrez, Alberto Jiménez-Morales, Concepción Morales-García

Benralizumab leads to sustained asthma control improvement after 1 year in real-life severe asthmatics.

Andreas Renner (Wien, Austria), Katharina Marth, Karin Patocka, Marco Idzko, Wolfgang Pohl

Response to reslizumab in a real-life setting: biologic-naïve asthma patients versus switchers.

Luis Pérez De Llano (Lugo, Spain), Bg Cosío, Ignacio Lobato Astiárraga, Gregorio Soto Campos, Miguel Ángel Alonso Tejedor, Nuria Marina Malanda, Alicia Padilla Galo, Isabel Urrutia Landa, Javier Michel De La Rosa, Ismael García Moguel

Impact of biological therapy on cumulative corticosteroid dose reduction in patients with severe asthma.

David Rodríguez Plaza (Barcelona (Barcelona), Spain), Mireia Vivas Roca, Héctor Cabrerizo Carreño, Blanca Gómez Martínez, Salud Santos Pérez, Mariana Muñoz-Esquerre

TP-10

Session

08:30 - 09:30

Thematic poster: Comorbidities in chronic airway diseases

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Pulmonary function testing Imaging Physiology Epidemiology Respiratory intensive care

Chairs : Bilun Gemicioglu (Istanbul, Turkey)

Characterizing healthcare resource use among adults with COPD by presence of comorbidities

Meredith Barrett (Portland, United States), Vy Vuong, Elroy Boers, Ann Cameron, Leanne Kaye, Caleb Woodford, Carlos M. Nunez, Kimberly L. Sterling

Healthcare resource utilization among adults with asthma by disease severity and presence of comorbidities

Meredith Barrett (Portland, United States), Vy Vuong, Elroy Boers, Ann Cameron, Leanne Kaye, Caleb Woodford, Carlos M. Nunez, Kimberly L. Sterling

Airflow obstruction as a marker of prognosis in rheumatoid arthritis

Anna Denis (Liège, Belgium), Céline Regnier, Monique Henket, Nathalie Maes, Marie Thys, Renaud Louis, Michel Malaise, Julien Guiot

Are obesity and visceral adipose tissue a trait of asthma?

Alina Ofenheimer (Zürich, Switzerland), Caspar Schiffers, Emiel Wouters, Patricia Puchhammer, Robab Breyer-Kohansal, Marie-Kathrin Breyer, Otto Chris Burghuber, Renaud Louis, Sylvia Hartl

Early alterations in lung function in a cohort of patients with non-affective psychotic disorder and a control group.

Carlos Antonio Amado Diago (Santander (Cantabria), Spain), Ana Viejo Casas, Javier Vazquez Bourgon, Juan Agüero Calvo, Benedicto Crespo Facorro, Mario Ruiz Nuñez, Roberto Garastazu

RISK OF IN-HOSPITAL MORTALITY DUE TO COVID-19 IN PATIENTS WITH BRONCHIAL ASTHMA: APPLICATION OF 4C MORTALITY SCALE.

IRENE MILAGROS DOMINGUEZ ZABALETA (Madrid, Spain), Gabriella Manzanares Cavi, Walther Ivan Giron Matute, Zichen Ji, Beatriz Recio Moreno, Paola Benedetti, Alicia Oliva Ramos, Luis Puente Maestu, Javier De Miguel Diez

Small airway dysfunction detected by oscillometry in asthma, COPD, and asthma-COPD overlap

Toshihiro Shirai (Shizuoka, Japan), Keita Hirai, Yasuhiro Gon

The association between transfer coefficient of the lung and the risk of exacerbation in asthma-COPD overlap

Hiroaki Ogata (Fukuoka, Japan), Katsuyuki Katahira, Aimi Enokizu-Ogawa, Yujiro Jingushi, Akiko Ishimatsu, Kazuhito Taguchi, Atsushi Moriwaki, Makoto Yoshida

Integrating Care: screening for anxiety and depression in COPD

Thomas Mason (London, United Kingdom), Amy Dewar, Jocelin Hall

Bronchiectasis on chronic obstructive pulmonary disease patients: what special features?

Chaima Habouria (Manouba, Tunisia), Imen Bachouch, Nidhal Balloumi, Khaoula Bouguerra, Nour El Houdaouda Khezemi, Asma Zargouni, Fatma Chermiti, Sorraya Fennich

Impact of COVID-19 on hospital admissions, health status and behavioral changes of patients with severe COPD

Eva Pappe (Berlin, Germany), Ralf Hammerich, Jacopo Saccomanno, Leonore Erdmann, Thomas Sgarbossa, Martin Witzernath, Norbert Suttorp, Ralf-Harto Hübner

Factors underlying the increasing prevalence of comorbidities over time and their mutual relationship in COPD: Results from COSYCONET

Peter Alter (Marburg, Germany), Kathrin Kahnert, Franziska C. Trudzinski, Robert Bals, Henrik Watz, Tim Speicher, Sandra Söhler, Stefan Andreas, Tobias Welte, Klaus F. Rabe, Emiel F.M. Wouters, Christoph Lange, Hubert Wirtz, Joachim H. Ficker, Claus F. Vogelmeier, Rudolf A. Jörres

Right heart changes depending on the functional status of patients with COPD combined with hypertension

Anastasiia Melenevych (Kharkiv, Ukraine)

Detection of progressive airway disease on chest computed tomography in the Ataluren CF cohort using an airway-artery algorithm

Qianting Lv (Rotterdam, Netherlands), Leticia Gallardo Estrella, Eleni-Rosalina Andrinopoulou, Pierluigi Ciet, Jean-Paul Charbonnier, Mariette P.C. Kemner - Van De Corput, Daan Caudri, Marleen De Bruijne, Harm A.W.M. Tiddens

Longitudinal variation of nasal nitric oxide in patients with Primary Ciliary Dyskinesia and healthy controls.

Charlotte Olivia Pioch (Berlin, Germany), Niklas Ziegahn, Marcus A. Mall, Jobst F. Röhmel

Vocal biomarkers in COPD: capturing disease severity using voice

Iris Lina Michels (Maastricht, Netherlands), Iris Michels, Visara Urovi, Helmer Strik, Hanneke A. C. Van Helvoort, Sami O. Simons

Evolution of asthmatic patients at 6 and 12 months after acute COVID-19 recovery

Ricardo Antonio Camperos Moreno (Madrid, Spain), Paul Kent Ernesto Freund, Jaime Pavón Guede, Inés Fernández-Concha Llona, Isamar De Agrela Mendes, Katherine Pose, Daniel Laorden Escudero, David Romero Ribate, Carlos Javier Carpio Segura, Itsaso Losantos García, Pablo Marical Aguilar, Isabel Fernández Navarro, María Victoria Arnalich Montiel, Luis Gómez Carrera, Carmen Alegre Segura, Alberto Manuel Borobía Pérez, Concepción Prados Sánchez, Santiago Quirce, Javier Domínguez Ortega, Francisco Arnalich Fernández, Rodolfo Álvarez-Sala Walther

Vaccination and hospitalization of COVID-19: what difference does it make?

Abir Hedhli Ep Cherni (tunis, Tunisia), Rihab Jebali, Abir Hedhli, Yassine Ouahchi, Sana Cheikhrouhou, Samira Merai, Sonia Toujani, Meriem Mjid, Bessma Dhahri

Exercise induced laryngeal obstruction in asthma

Aase Johnsen Rogde (Bergen, Norway), Sverre Lehmann, Haakon Kristian Kvidaland, Ola Drange Røksund, Hege Synnøve Havstad Clemm, Thomas Halvorsen, Maria Vollseter, Tiina Maarit Andersen

Incidental pulmonary emphysema and COPD cases in a national lung cancer screening program feasibility study.
Anneli Poola (Tartu, Estonia), Anneli Poola, Vahur Makke, Marianna Frik, Piret Viiklepp, Tarvo Kiudma, Urmas Takker, Anneli Rätsep, Kaja-Triin Laisaar, Tanel Laisaar

TP-22

Session

08:30 - 09:30

Thematic poster: Identification of therapeutic strategies in lung cancer

Disease(s) : Thoracic oncology Airway diseases Interstitial lung diseases

Method(s) : Imaging Surgery General respiratory patient care Palliative care Pulmonary function testing Cell and molecular biology Epidemiology Endoscopy and interventional pulmonology Pulmonary rehabilitation

Chairs : Assia Konsoulova-Kirova (Varna, Bulgaria), Andriani Charpidou (Athens, Greece)

To stop or not to stop immunotherapy after 2 years in Non Small Cell Lung Cancer (NSCLC)? Results of a cross sectional survey among French thoracic oncologist.

Simon Storme (Lyon, France), Didier Debievre, Pierre-Jean Souquet, Sébastien Couraud

The therapeutic potential of ADAMTS8 in lung cancer patients without Immune checkpoint inhibitors/EGFR mutation

Ying-Ming Tsai (Kaohsiung, Taiwan), Yung-Chi Huang, Chao-Yuan Chang, Lian-Xiu Liu, Kuan-Li Wu

Clinical determinants of immunotherapy outcomes in non-small cell lung cancer patients with checkpoint inhibitor pneumonitis

Ioannis Vathiotis (Cholargos, Greece), Kyriaki Tavernaraki, Ioannis Trontzas, Eirini-Chrysovalanti Antonogiannaki, Evangelia Koukaki, Nikolaos Syrigos, Ioannis Gkiozos, Elias Kotteas, Andriani Charpidou

Cellular and plasmatic immune profile of anti-PD-1 therapy in phase IIIB/IV non-small cell lung cancer: relevance of immunosuppressive factors

Paulo Rodrigues-Santos (Coimbra, Portugal), Jani Sofia Almeida, Luana Madalena Sousa, Manuel Santos-Rosa, Fernando Barata, Ana Figueiredo

Long-term outcomes in patients with Non Small Cell Lung Cancer (NSCLC) treated by Immune Checkpoint Inhibitors (ICIs) for a minimal duration of 2 years: a cohort study in a tertiary hospital.

Simon Storme (Lyon, France), Lize Kiakouama, Marie Darrason, Gilles Devouassoux, Michael Duruisseaux, Sebastien Couraud

Pulmonary complications after surgical resection of lung cancer - analysis of thousands cases.

Anna Trojnar (Warszawa, Poland), Joanna Domagała-Kulawik, Anna Sienkiewicz-Ulita, Marcin Zbytniewski, Grzegorz Gryszko, Marcin Cackowski, Michał Dziejdz, Katarzyna Woźnica, Tadeusz Orłowski, Dariusz Dziejdz

Right intrapericardial pneumonectomy; is it still a forbidden procedure?

Ioannis Karampinis (Athens, Greece), Georgia Hardavella, Antonios Katsipoulakis, Nikolaos Anastasiou

Povidone Iodine use as effective pleurodesis treatment for prolonged air leak ?

Abdessalem Hentati (Sfax, Tunisia), Zied Chaari, Aymen Ben Ayed, Ghassen Ben Hlima, Walid Abid, Imed Frikha

Longitudinal changes in pulmonary function and patient reported outcomes after lung cancer surgery

Hye Yun Park (Seoul, Republic of Korea), Sumin Shin, Sunga Kong, Danbee Kang, Genehee Lee, Jong Ho Cho, Young Mog Shim, Juhee Cho, Hong Kwan Kim

Effect of HIIT-based interventions on exercise capacity in lung cancer survivors: Meta-Analysis

Alejandro Heredia Ciuró (Granada, Spain), Javier Martin Nuñez, Antonio Lazo Prados, Araceli Ortiz Rubio, Andres Calvache Mateo, Marie Carmen Valenza

Characteristics and clinical courses in a monocentric NSCLC cohort with MET exon 14 skipping mutations

Gesa Rafflenbeul (Berlin, Germany), Carolin Lips, Torsten Gerriet Blum, Manuel Hollmann, Jens Kollmeier, Daniel Misch, Susann Stephan-Falkenau, Anna Streubel, Sebastian Thiel, Thomas Mairinger, Torsten Bauer

Impact of dose modification of immune-checkpoint inhibitors in lung cancer patients during the COVID-19 pandemic.

Marie Veron (La Tronche, France), Thomas Pierret, Maurice Perol, Justin Benet, Natacha Denis, Denis Moro-Sibilot, Aurélie Swalduz, Anne Claire Toffart

Osimertinib as neoadjuvant therapy for resectable non-small cell lung cancer: a single-center real-world study

Yan Hu (Changsha, China), Siying Ren, Lulu Yang, Zhongyi Tong, Ruoyao Wang, Wei Han, Fenglei Yu, Wenliang Liu

The impact of the COVID-19 pandemic on delay in diagnosis and management of lung cancer in developing countries

Imen Bachouch (Ariana, Tunisia), Nourelhouda Khézami, Chaima Habouruia, Nidhal Belloumi, Bougurra Khawla, Asma Zargouni, Fatma Chermiti, Soraya Fenniche

Response evaluation with FDG PET-CT after 2 years of immune checkpoint inhibition

Reinier R.L. Wener (Edegem, Belgium), Annemiek Snoeckx, Laurens Carp, Jo Raskin, Charlotte De Bondt, Jan P. Van Meerbeeck, Annelies Janssens

Best first-line therapy for patients with advanced non-small cell lung cancer, performance status 2 without a targetable mutation.

Rolof G.P. Gijtenbeek (Leeuwarden, Netherlands), Kim De Jong, Ben J.W. Venmans, Femke Van Vollenhoven, Anthonie J. Van Der Wekken, Wouter H. Van Geffen

TP-4	Session	08:30 - 09:30
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Thematic poster: Topics in respiratory and muscle function

Disease(s) : Airway diseases Respiratory critical care Sleep and breathing disorders Interstitial lung diseases

Method(s) : Physiology Public health General respiratory patient care Imaging Pulmonary rehabilitation Pulmonary function testing Cell and molecular biology

Chairs : Samuel Verges (Grenoble, France), Christina M. Spengler (Zürich, Switzerland)

The effect of nostril occlusion and mouth sealing in the measurement of sniff nasal inspiratory pressure

Anne Rossel (London, United Kingdom), Neeraj M. Shah, Shauna Sheridan, Gill Arbane, Eui-Sik Suh, Joerg Steier, Nicolas Hart, Patrick B. Murphy, Michelle Ramsay, Georgios Kaltsakas

A simple approach for assessing leg muscle oxygenation during incremental exercise in fibrotic interstitial lung disease

Mathieu Marillier (Echirolles, France), Anne-Catherine Bernard, Samuel Vergès, Denis E. O'Donnell, Onofre Moran-Mendoza, J. Alberto Neder

Capacity of P_{Imax} and SNIP for the diagnosis of respiratory muscle weakness

Walther Ivan Giron Matute (Madrid, Spain), Sergio Suarez Escudero, Zichen Ji, Alicia Cerezo Lajas, Beatriz Recio Moreno, Katuska Liendo Martínez, Irene Milagros Domínguez Zabaleta, Virginia Parra León, Cristina Sánchez Fernández, Cristhian Alonso Correa Gutiérrez, Paola Antonella Benedetti, José Javier García López, Luis Puente Maestú

Exercise Induced Laryngeal Obstruction (EILO) while breathing cold air.

Haakon Kvidaland (BERGEN, Norway), Hege Clemm, Ola Drange Røksund, Maria Vollsæter, Silje Mæland, Jon Hardie

Exercise Induced Laryngeal Obstruction (EILO) – diagnosis and therapy response

Siobhan Ludlow (Cheshire, United Kingdom), Stephen Fowler, Thomas Pantin

Can six weeks with Inspiratory Muscle Training (IMT) with individualized pressure-settings improve Exercise induced laryngeal obstruction (EILO)-symptoms?

Petrine Solli Veierod (Bergen, Norway), Haakon Kvidaland, Thomas Halvorsen, Hege Clemm, Ola D. Røksund, Maria Vollsæter

Short-term repeatability of maximal respiratory pressures in healthy volunteers measured with a novel respiratory health meter.

Herkko Ryyänen (Helsinki, Finland), Ilpo Kuronen, Essi Ahokas, Maarit Valtonen, Johanna K. Ihalainen, Anssi Sovijärvi, Juhani Multanen

Respiratory muscle pressures in ALS patients: Can we do without them? (Correlation of FVC decrease from erect to supine position with maximum inspiratory muscle pressure)

Evangelia Koukaki (SALAMINA, Greece), Vasiliki Panou, Petros Bakakos, Nikolaos Koulouris, Antonia Koutsoukou

Prognostic value of a low resting inspiratory capacity and reduced inspiratory muscle strength in COPD

Matthew D. James (Kingston (ON), Canada), Devin Phillips, Matthew James, Sandra Vincent, Juan Pablo De-Torres, J Alberto Neder, Daniel Langer, Denis O'Donnell

The effect of pulmonary rehabilitation on respiratory and peripheral muscle weakness following SARS-CoV-2 infection: an interim analysis

Nikolaos Chynkiamis (Ilion, Greece), Angelos Vontetsianos, Christina Anagnostopoulou, Aikaterini Bakiri, Nektarios Anagnostopoulos, Kyriaki Cholidou, Ioannis Vogiatzis, Antonia Koutsoukou, Nikolaos Koulouris

Validating RespMech: an automated, free and open-source platform for diaphragmatic electromyography analysis at rest and in exercise

Annie Liu (Richmond Hill, Canada), Nathaniel Y. W. Yuen, Yannick Molgat-Seon, Matthew D. James, Denis E. O'Donnell, Nicolle J. Domnik, Emil Schwarz Walsted

Post-Covid-19 peripheral muscle weakness is not associated with muscle ultrasound echogenicity or muscle thickness

Anouk Stoffels (Nijmegen (GE), Netherlands), Nicol Voermans, Hieronymus Van Hees, Jeannette Peters, Hanneke Van Helvoort, Esther Van Voorthuizen, Jonne Doorduyn, Bram Van Den Borst

The role of extracellular matrix proteins on exercise training-induced muscle fibre adaptations in COPD
Ioannis Vogiatzis (Blyth, United Kingdom), Efpraxia Kritikaki, Kay Padget, Gerasimos Terzis, Davina Simoes

Respiratory function in subjects recovered from covid-19 with sarcopenia

Laura Cornejo-Cornejo (México City, Mexico), Arturo Orea-Tejeda, Carlos Sanchez-Moreno, Dulce Gonzalez-Islas, Mariana Salvarrierra-Escobar, Iris Lopez-Vazquez, Jorge Aguilar-Meza, Juan Marquez-Cordero, Alejandra Rios-Pereda, Mariana Salgado-Fernandez, Angelia Jimenez-Valentin, Samanta Hernandez-Lopez

Effects of inspiratory muscle training on thoracoabdominal muscle kinematics during exercise in older adults

James Manifold (Newcastle upon Tyne, United Kingdom), Charikleia Alexiou, Dimitrios Megaritis, Katherine Baker, Nicola Adams, Gill Barry, Ioannis Vogiatzis

Post-COVID Assessment of Pulmonary Function and Muscles Strength Test in Healthy Subjects

Josuel Ora (Roma (RM), Italy), Paola Rogliani, Marilisa Vignuoli, Letizia Valentino, Giancarlo Pontoni, Francesca Di Ciuccio, Roberto Ferrara, Tommaso Sciarra

How does Sarcopenia effect elderly COPD Patients?

Seda Tural Önür (Istanbul, Turkey), Kaan Kara, Fatma Akyl Tokgöz, Hülya Abalı, Sinem Nedime Sökücü

A model of peripheral edema and its impact on the quantification of leg strength in COPD and healthy subjects

Jason Peng (Maywood, United States), Paul Chung, Stefano Pini, Hameeda Shaikh, Lissette Orozco-Bersoza, Martin Tobin, Franco Laghi

Unobtrusive estimation of ventilatory and muscle activity for COPD assessment

Dolores Blanco-Almazán (Barcelona, Spain), Willemijn Groenendaal, Manuel Lozano-García, Luis Estrada-Petrocelli, Lien Lijnen, Rana Önder, Christophe Smeets, David Ruttens, Francky Catthoor, Raimon Jané

Self-monitoring to detect early signs of altitude illness in COPD. A diagnostic accuracy study.

Michael Furian (Zürich, Switzerland), Maamed Mademilov, Konstantinos Bitos, Simone Buenzli, Ainura Abdraeva, Benoit Champigneulle, Arcangelo Carta, Meret Bauer, Tanja Ulrich, Philipp M Scheiwiller, Julian Mueller, Ahmet Sevik, Stefanie Ulrich, Laura Mayer, Mirjam Grimm, Simon R Schneider, Ulan Sheraliev, Aichurok Alymbekova, Nurdin Shakiev, Aijan Taalaibekova, Aigul Ozonova, Kamilla Magdieva, Gulzada Mirzalieva, Azamat Akyzbekov, Saltanat Shabykeeva, Talant M Sooronbaev, Silvia Ulrich, Konrad E Bloch

TP-7 Session 08:30 - 09:30

Thematic poster: Pathophysiological consequences of sleep apnoea: insights from basic research

Disease(s) : Airway diseases Sleep and breathing disorders

Method(s) : Physiology Cell and molecular biology General respiratory patient care Public health Pulmonary function testing Epidemiology

Chairs : Martino Pengo (Milano (MI), Italy), Chair to be confirmed

Overnight oxygen saturation is higher at the forehead compared to fingertip measurements

Hartmut Schneider (Frankfurt, Germany), Hartmut Schneider, Sandra Mukasa, Syuyumbeki Mueller, Adelina Varavinova, Felix Fronck, Flavio Raschella, Pieter Ermers, Marjolein Vliexs, Ruben De Francisco

Predictors of chronic hypercapnia in obese patients with suspected breathing sleep disorder

Hanan Krichen (Sfax, Tunisia), Rim Kammoun, Sourour Bouattour, Issraa El Wadhane, Amina Kotti, Sameh Msaad, Amin Bahloul, Walid Feki, Samy Kammoun

Combined ECG and breathing frequency measurements for sleep apnea assessment using a multi-sensor monitoring device

Florent Baty (St. Gallen, Switzerland), Maximilian Boesch, Frederik Bauer, Simon Annaheim, Martin Brutsche

Low arousal threshold: a common pathophysiological trait in patients with obstructive sleep apnea syndrome and asthma

Caterina Antonaglia, Giovanna Passuti, Barbara Ruaro, Francesco Salton, Marco Confalonieri, Chiara Torregiani

Sleep parameter comparison between mild and difficult-to-treat asthma using accelerometry

Varun Sharma (Glasgow, United Kingdom), Helen C Ricketts, Femke Steffensen, Anna Goodfellow, Duncan S Buchan, Douglas C Cowan

GENE POLYMORPHISMS OF 5-HYDROXYTRYPTAMINE (SEROTONIN) RECEPTOR 2A (HTR2A) 1438G/A AND NADPH OXIDASE (P22PHOX) A930G IN OBSTRUCTIVE SLEEP APNOEA PATIENTS

Mehmet Sezai Taşbakan (Izmir, Turkey), Ozen K. Basoglu, Huseyin Onay, Ferda Ozkinay

Sleep apnea syndrome and erectile dysfunction: A possible risk factor?

Warda Jelassi (TUNIS, Tunisia), Islam Mejri Ep Ajili, Souhail Ben Taher, Selsabil Daboussi, Samira Mhamdi, Chiraz Aichaouia, Zied Moatemri

Use of nocturnal pulsioximetry (POX) to assess the control of CPAP therapy in patients with obstructive sleeping apnea (OSA)

Isabel Muñoz Ramirez (Seville, Spain), Raquel De Andres David, Aureliano Ais Daza, Francisca Montoro Ballesteros, Alfonso Marin Andreu, Aurelio Arnedillo Muñoz

Impact of shift work on quality of sleep in healthcare workers

Sarra Ben Sassi (ariana, Tunisia), Sourour Abid, Mariem Friha, Ons Badri, Rahma Gargouri, Sameh Msaad, Hajeur Ayedi

Position trainer device for Obstructive Sleep Apnea.

Jorge Rodriguez Sanz (ZARAGOZA (SPAIN), Spain), Laura Torralba García, Maria Aguado Agudo, Maria Teresa Martin Carpi

Anxiety and depression in patients with obstructive sleep apnea

Imen Touil (Mahdia, Tunisia), Imen Touil, Braham Yosra, Omrane Amira, Boujnef Soumaya, Bouchareb Soumaya, Hamdi Amani, Zaara Eya, Belhadj Ines, Khalfallah Taoufik, Boussoffara Leila, Knani Jalel, Keskes Boudawara Nadia

Nasal symptoms in patients with obstructive sleep apnoea and the association with continuous positive airway pressure

Kallirroi Lamprou (Oxford, United Kingdom), Konstantinos Chaidas, Amberley Munnings, John Stradling, Annabel Nickol

Lung function and sleep disorder in general population: RHINESA study

Rajesh Shigdel (Bergen, Norway), Elin H Thorarinsdottir, Nils Oskar Jøgi, Leopoldo Palacios Gómez, Chamara V. Senaratna, Andrei Malinovschi, Þórarinn Gíslason, Randi Jacobsen Bertelsen

Sleep disorders in healthcare workers

Améni Nâaroura (Tunis, Tunisia), Soumaya Ben Sâad, Amani Ben Mansour, Azza Slim, Hafaoua Daghfous, Fatma Tritar

TP-6 Session 08:30 - 09:30**Thematic poster: Molecular pathology and cellular biology of pulmonary diseases**

Disease(s) : Interstitial lung diseases Airway diseases Pulmonary vascular diseases Respiratory critical care

Method(s) : Cell and molecular biology Imaging Epidemiology Physiology

Chairs : Pauline BARDIN (Champs-sur-Marne, France), Janice Koranteng (London, United Kingdom)

Transcriptome analysis indicates more AT2-to-AT1 transition in COPD

Zhiheng Cheng (Groningen, Netherlands), Sabine Bartel, Jos L.L. Van Nijnatten, Rene Bults, Corry-Anke Brandsma, Wim Timens, Alen Faiz, Reinoud Gosens, Maarten Van Den Berge, Machteld N. Hylkema

Mast Cell Proteases Promote Diverse Effects on the Plasminogen Activation System and Wound Healing in Alveolar Epithelial Cells

Sofia Mogren (Malmö, Sweden), Frida Berlin, Cecilia Andersson

Aging and senescence in alveolar epithelial type II cells affect progenitor cell function and aggravate acute lung injury

Christina Brandenberger (Hannover, Germany), Merle Hirsch, Christina Hildebrand, Christian Mühlfeld, Dirk Wedekind

Activation of the PPAR γ pathway to restore mesenchymal stem cell niche properties and induce alveolar regeneration in elastase induced emphysema

Grégoire Justeau (Angers, France), Marylène Toigo, Laure Crepin, Jorge Boczkowski, Bruno Ribeiro, Laurent Boyer

Oxidative stress is a key driving mechanism in the pathogenesis of inflammatory lung diseases

Karosham (Diren) Reddy (Glebe, Australia), patrick he, Michael Papanicolaou, Sandra Rutting, Diren Reddy, Alaina Ammit, Dikaia Xenaki, David Van Reyk, Brian Oliver

Hydrogen sulfide attenuates cigarette smoke-induced oxidative stress and inflammation in human primary bronchial epithelial cells and experimental COPD

Vinod Kumar (North Lambton, Australia), Jay Horvat, Peter Wark, Matt Whiteman, Philip Hansbro

Effect of cigarette smoke exposure on airway epithelial barrier function in never-smokers and ex-smokers with and without COPD

Kingsley Okechukwu Nwozor (Vancouver, Canada), Qing Chen, Yolanda Yang, Xinzi Zheng, Tessa Kole, Dirk-Jan Slebos, Karin Klooster, Maarten Van Den Berge, Tillie-Louise Hackett, Corry-Anke Brandsma, Irene H. Heijink

Electronic cigarette liquids impair protein synthesis and alter proteomic profiles in V79 cells

Mila Ljubic (Belgrade, Republic of Serbia), Sara Trifunovic, Katarina Smiljanic, Fiorella Solari, Albert Sickmann, Aleksandra Divac Rankov

Translational chronic drug-induced ILD mouse model, characterized by low-grade inflammation, fibrosis and dilated large airways

Irma Mahmutovic Persson (Lund, Sweden), Jian Liu, René In 'T Zandt, Nina Fransén Petterson, Anders Örbom, Hanna Falk-Håkansson, Carla Carvalho, Karin Von Wachenfeldt, Lars E. Olsson

Exposure to nicotine containing e-cigarette vapor leads to endothelial barrier dysfunction and increased susceptibility to LPS in-vitro

Benjamin Seeliger (Hannover, Germany), Thorben Pape, Paul Horn, Klaus Stahl, Julius J Schmidt, Tobias Welte, Antje Prasse, Natascha Sommer, Sascha David

Fibroblast from IPF patients produces glycosaminoglycans with higher affinity for FGF2

Zackarias Söderlund (Lund, Sweden), Roberto Mastio, Daniel Willén, Emil Tykesson, Ulf Ellervik, Gunilla Westergren-Thorsson

A lung and kidney specific fragment of type IV collagen is associated with increased mortality in idiopathic pulmonary fibrosis

Annika Hummersgaard Hansen (Herlev, Denmark), Thomas Skovhus Prior, Diana Julie Leeming, Morten Asser Karsdal, Jannie Marie Bülow Sand, Elisabeth Bendstrup

Disruption of prostaglandin F2 receptor signaling attenuates fibrotic remodeling in a preclinical murine model of idiopathic pulmonary fibrosis

Michael Beers (Philadelphia, United States), Soon Yew Tang, Luis Rodriguez, Yaniv Tomer, Aditi Murthy, Tian-Quan Cai, Caitlin Connelly, Astrid Gillich, Yao Wong, Garret Fitzgerald

WNK1 signaling after loss of CFTR function in pneumonia-induced lung barrier failure

Laura Kneller (Berlin, Germany), Lasti Erfinanda, Wolfgang M Kuebler, Martin Witzzenrath, Birgitt Gutbier

Air pollution induced emphysema in ageing rats via Hippo signaling pathway

Vincent Laiman (Taipei, Taiwan), Hsiao-Chi Chuang

Interleukin-1 alpha counteracts transforming growth factor-2 signaling in lung extracellular matrix remodeling.

Kauna Usman (Vancouver, Canada), May Fouadi, Emmanuel Osei, Tillie-Louise Hackett

Greenspace and children's lung function in China

Tingting Ye (Melbourne, Australia), Yuming Guo, Michael Abramson, Tiantian Li, Shanshan Li

Late Breaking Abstract - Exposure to particulate matter alters neutrophil lysosomal function and activation status

Emily Watts (Edinburgh, United Kingdom), Ryan Huff, Christoher Rider, Moira Whyte, Sarah Walmsley, Christopher Carlsten

Late Breaking Abstract - A novel neuropilin-2 (NRP2) antibody for immunohistochemical staining of patient tissue samples

Yeeting Chong (San Diego, United States), Sarah Foerster, David Siefker, Yvonne Becker, Erik Escobedo, Luke Burman, Kaitlyn Rauch, Suzanne Paz, Christoph Burkart, Andrea Cubitt, Michael Muders, Leslie Nangle

TP-17

Session

08:30 - 09:30

Thematic poster: Respiratory physiotherapy: technology, e-health and (tele)rehabilitation**Disease(s) :** Thoracic oncology Airway diseases Interstitial lung diseases Respiratory critical care**Method(s) :** Pulmonary rehabilitation General respiratory patient care Public health Pulmonary function testing**Chairs :** Michele Vitacca (Gussago (BS), Italy), Jana De Brandt (Umeå, Sweden)**The effect of telerehabilitation-based chest physiotherapy on anxiety level and the perception of pain, dyspnea and fatigue in patients undergoing lung surgery**

Esra Pehlivan (Istanbul, Turkey), Ayça Evkaya Acar, Yaman Khoraki, Sibel Gayretli Atan, Burcu Kılıç, Akif Turna

Preferences for an eHealth tool to support physical activity and exercise training in COPD

Pernilla Sönnerrfors (Stockholm, Sweden), Kirsti Skavberg Roaldsen, Sara Lundell, Annika Toots, Karin Wadell, Alexandra Halvarsson

Technological features of smartphone apps for physical activity promotion in patients with COPD: A systematic review

Joana Cruz (Leiria, Portugal), João Silva, Nádia Hipólito, Pedro Machado, Sofia Flora

Effectiveness of a remote pulmonary rehabilitation program for patients with Chronic Obstructive Pulmonary Disease: A case series.

Shaemen Stallwood (London, United Kingdom), Caitlin Smyth, John R Hurst, Heidi Ridsdale

Experiences of using an electronic health (eHealth)-tool among healthcare professionals involved in COPD management - a qualitative analysis.

Andre Nyberg (Umeå, Sweden), Anna Sondell, Sara Lundell, Sarah Marklund, Malin Tistad, Karin Wadell

End-users' perspectives of an eHealth platform to promote physical activity in COPD: a qualitative study

Nádia Hipólito (LEIRIA, Portugal), Sofia Flora, Marcelo Brites-Pereira, Cândida G. Silva, Jessica Gordo, Nuno Morais, José Ribeiro, Fernando Silva, Chris Burtin, Dina Brooks, Alda Marques, Joana Cruz

Is pulmonary tele rehabilitation effective and safe for people with respiratory conditions?

Joshua Bishop (Balmain, Australia), Lissa Spencer, Amanda Mcanulty, Wendy Denniss, Jennifer Alison

Pulmonary rehabilitation including interactive 3D visualization technique, in COPD - a randomized controlled study

Ulrika Einarsson (Huddinge, Sweden), Pernilla Sönnersfors, Anna-Karin Nordlin, Gun Faager

Curating audio-visual self-management digitalresources for people with Chronic Obstructive Pulmonary Disease (COPD): A novel process report.

Kirsti Loughran (Middlesbrough, United Kingdom), Sian Williams, Katya Jouravleva, Philip Mordue, Isabel Saraiva, Matthieu Bremond, Clare Cook, Mark Orme, Deborah Turnbull, Nathaniel Skidmore

Digital pulmonary rehabilitation (PR)

Samantha Pilsworth (Liverpool (Merseyside), United Kingdom), Samantha Pilsworth, David Barber, Simon Taylor, Rosemary Hughes, Michelle Coleiro

Physical therapy follow-up before and during COVID-19 pandemic of patients with amyotrophic lateral sclerosis

Karen Pondofe (Natal, Brazil), Ozana De Fatima Costa Brito, Rayane Grayce Da Silva Vieira, Esther Beatriz Camara Da Silva, Lariza Maria Da Costa, Tatiana Ribeiro, Mario Emilio Teixeira Dourado Junior, Antonio Jose Sarmento, Guilherme Fregonezi, Vanessa Resqueti

iLiFE-Lifestyle Integrated Functional Exercise for people with interstitial lung disease: the experience of patients

Cátia Paixão (Aveiro, Portugal), Pedro Ferreira, M Aurora Mendes, Dina Brooks, Alda Marques

Successful provision of a specialised Interstitial Lung Diseases (ILD) pulmonary rehabilitation program during COVID-19 using recorded ILD educational videos developed by allied health professionals

Hana Alsomali (Newcastle upon Tyne, United Kingdom), Francesca Chambers, Evelyn Palmer, Claire Donaldson, Lyndsey Langlands, Isobel Bowe, Anne-Marie Bourke, Chris Ward, Ian Forrest

Impact of urban circuits in increasing exercise capacity in COPD

Santiago Larrateguy (Paraná, Argentina), Guillermo Mazzucco, Elena Gimeno-Santos, Rodrigo Torres-Castro, Nicolas Decarlo

The Effect of Pulmonary Rehabilitation on Exercise Capacity and Quality of Life in Patients with SCLC Receiving Chemotherapy

Seda Saka (Istanbul, Turkey), Merve Hasgül, Nur Tunalı, Süleyman Furkan Hangün, Salih Emri

Expert survey-based experiences on performing and adjusting endurance exercise training in patients with chronic respiratory disease

Rainer Gloeckl (Schoenau am Koenigssee, Germany), Ralf Zwick, Ulrich Furlinger, Inga Jarosch, Tessa Schneeberger, Daniela Leitl, Rembert Koczulla, Ioannis Vogiatzis, Martijn A. Spruit

REPERCUSSION OF PHYSIOTHERAPY ORIENTATION ON FUNCTIONAL CAPACITY AND QUALITY OF LIFE AFTER CORONARY BYPASS GRAFTING ARTERY

Andre Luiz Cordeiro (Feira De Santana (BA), Brazil), Dalyla Gomes, Lucas Soares, Hayssa Mascarenhas, André Guimarães

Reliability of computerised adventitious respiratory sounds in people with stable bronchiectasis

Beatriz Herrero Cortina (Zaragoza, Spain), Marina Francin-Gallego, Juan Antonio Saez-Perez, Marta San Miguel-Pagola, Cristina Jácome

Late Breaking Abstract - InspiAir, the mHealth App to monitor asthma symptoms for people with asthma

Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil), Leandro Velloso, Regina Carvalho-Pinto, Renata Yasiro, Carlos Farfan, Giselle Jensen, Lucia Filgueiras

TP-18

Session

08:30 - 09:30

Thematic poster: Basic science of respiratory infection**Disease(s) :** Respiratory critical care Airway diseases Pulmonary vascular diseases**Method(s) :** Cell and molecular biology Physiology General respiratory patient care Pulmonary function testing Respiratory intensive care**Chairs :** James D. Chalmers (Dundee (Angus), United Kingdom), Gernot G.U. Rohde (Frankfurt am Main, Germany)

Non-typeable *Haemophilus influenzae* activates respiratory epithelial cell innate immune responses independently of intracellular internalisation

Timothy Hinks (Oxford, United Kingdom), Mary Brown, Sophie Morgan, Gillian Donachie, Ian Pavord, Carolina Arancibia

Acute lung inflammation in mice by inhaled aerosolized LPS: effects of various forms of human alpha1-antitrypsin

Sabine Wrenger (Hannover, Germany), Kokilavani Sivaraman, Dirk Schaudien, Christina Hesse, Katherina Sewald, Tobias Welte, Sabina Janciauskiene

Mucosal administration of anti-bacterial antibody (Ab) provides long-term cross-protection against *Pseudomonas aeruginosa* respiratory infection

Thomas Secher (Tours, France), Aubin Pitiot, Marion Ferreira, Christelle Parent, Chloé Boisseau, Mélanie Cortes, Laura Bouvart, Nicolas Aubrey, Christophe Paget, Nathalie Heuzé-Vourc'H

Lack of S100A9 aggravates pneumococcal pneumonia in mice

Lena Ostermann (Hannover, Germany), Konstantina Katsarou, Regina Maus, Martin Christmann, Konstantin Neumann, Korbinian Brand, Benjamin Seeliger, Frank Bühling, Dorothee Viemann, Tobias Welte, Ulrich A. Maus

The airway metagenome in *Pseudomonas aeruginosa* associated severe asthma

Fransiskus Xaverius Ivan (Singapore, Singapore), Pei Yee Tiew*, Kai Xian Thng, Tavleen Kaur Jaggi, Esther Pang Pee Hwee, Ong Thun How, John Arputhan Abisheganaden, Mariko Siyue Koh, Sanjay H. Chotirmall

Triple combinations of ferulic acid, quercetin and glycyrrhizic acid inhibit influenza virus H5N1 hemagglutinin-induced acute lung injury by targeting Janus tyrosine kinase 3 and cAMP-dependent CFTR channel

Cao Ke (Jinzhou, China), Wang Yansheng, Sun Qiang, Xu Jun

Histone deacetylase-6 (HDAC6) promotes protective responses during murine influenza A virus (IAV) infection

Katie Daly (Booker Bay, Australia), Alan Hsu, Kristy Nichol, Jay Horvat, Jemma Mayall, Phil Hansbro, Peter Wark

Effect of novel LasB inhibitor ANT3273 on activation of IL-1 in macrophage and mouse *Pseudomonas aeruginosa* infection models

Martin Everett (Labege, France), Nicolas Sprynski, Larock Doris, Larock Christopher, Magdalena Zalacain

IL-4 levels in sputum correlate with increased mucus production and ciliary dysfunction

Erin Cant (Dundee, United Kingdom), Mathieu Bottier, Morven Shuttleworth, Farheen Daudvohra, Ross J Urquhart, Amy Gilmour, Megan L Crichton, Diane Cassidy, Thomas Burgoyne, Claire Hogg, Jeffrey T J Huang, James D Chalmers, Amelia Shoemark

The influence of the storage medium on respiratory ciliary beating

Noemie Bricmont (Liège, Belgium), Romane Bonhiver, Lionel Benchimol, Anne-Lise Poirrier, Philippe Lefèbvre, Renaud Louis, Marie-Christine Seghaye, Céline Kempeneers

Crucial role of iron metabolism in determining outcomes of influenza A virus infection and disease

Jemma Mayall (Newcastle, Australia), Amber Pillar, Katie Daly, Alexandra Brown, Ama-Tawiah Essilfie, Henry Gomez, Richard Kim, Kristy Nichol, Chantal Donovan, Greg Anderson, David Frazer, Elizabeth Milward, Philip Hansbro, David Reid, Alan Hsu, Peter Wark, Jay Horvat

Clinically relevant administration of naive and activated mesenchymal stromal cells for the treatment of bacterial induced pulmonary sepsis

Declan Byrnes (Galway (County Galway), Ireland), Claire Masterson, Hector Gonzalez, Sean Mccarthy, Daniel O'Toole, John Laffey

LSC - 2022 - Single cell transcriptomic dissection of virus induced immunopathology in interferon gamma receptor null mice

Lin Yang (Oberschleißheim, Germany), Ilias Angelidis, Lukas Heumos, Mesha Ansari, Shuhong Zhou, Christoph Mayr, Lukas Simon, Maximilian Strunz, Fabian Theis, Heiko Adler, Herbert Schiller

LSC - 2022 - Influenza infection of epithelial cells alters extracellular vesicle microRNA involved in viral replication and the immune response

Laura Reid (Southampton, United Kingdom), C. Mirella Spalluto, Karl Staples, Tom Wilkinson

LSC - 2022 - Identification of a host antiviral and anti-inflammatory metabolite that protects against influenza virus-driven morbidity and mortality

Adeline Cezard (Tours, France), Déborah Brea-Diakite, Virginie Vasseur, Loic Gonzales, Ronan Le Goffic, Bruno Da Costa, Delphine Fouquet, Thomas Baranek, Christophe Paget, Antoine Guillon, Mustapha Si-Tahar

A phage cocktail against *Pseudomonas aeruginosa* lung infection: results from experimental studies

Markus C. Brack (Berlin, Germany), Moritz Vollgraf, Geraldine Nouailles, Imke Korf, Sarah Wienecke, Antonia Dannheim, Holger Ziehr, Judith Bushe, Anne Voss, Achim D. Gruber, Andreas C. Hocke, Stefan Hippenstiel, Mario Toennies, Jasmin Lienau, Manfred Rohde, Christine Rohde, Sandra-Maria Wienhold, Martin Witzentrath

Delayed immunological reaction of Human Microvascular Lung Endothelium in response to Human Coronavirus 229E infection.

Robert Szweczyk (Łódź, Poland), Mateusz Gawrysiak, Adrian Gajewski, Maciej Chałubiński

Late Breaking Abstract - Nebulized mesenchymal stem cells derived conditioned media retains the capacity to mitigate lung injury in vivo.

Hector Gonzalez Esteban (Galway, Ireland), Sean Mccarthy, Claire Masterson, Declan Byrnes, Ronan Macloughlin, John Laffey, Daniel O'Toole

Late Breaking Abstract - Single cell transcriptomic dissection of virus induced immunopathology in interferon gamma receptor null mice

Lin Yang (Oberschleißheim, Germany), Lukas Heumos, Ilias Angelidis, Meshal Ansari, Shuhong Zhou, Christoph H. Mayer, Lukas M. Simon, Maximilian Strunz, Fabian J. Theis, Heiko Adler, Herbert Schiller

Molecular characterisation of COPD exacerbations

Holly R. Keir (Dundee (Angus), United Kingdom), Hollian Richardson, Abirami Veluchamy, Daniela Alferes De Lima, Amy Gilmour, Chandani Hennayake, Alison Dicker, Megan Crichton, James D. Chalmers

TP-24

Session

08:30 - 09:30

Thematic poster: Clinical course and management of interstitial lung diseases**Disease(s) :** [Interstitial lung diseases](#)**Method(s) :** Epidemiology Imaging Pulmonary function testing General respiratory patient care Palliative care Cell and molecular biology**Chairs :** Elena Bargagli (Siena, Italy), Marta Garcia Moyano (Barakaldo, Spain)**Ultrasound may detect subclinical interstitial lung disease in systemic sclerosis**

Marwin Gutierrez (Mexico City, Mexico), Chiara Bertolazzi, Denise Clavijo-Cornejo, Fausto Salaffi

Progressive interstitial lung disease is frequent also in late disease stages in systemic sclerosis patients from EUSTAR

Anna Maria Hoffmann-Vold (Oslo, Norway), Cathrine Brunborg, Paolo Airò, Lidia P Ananyeva, László Czirják, Serena Guiducci, Eric Hachulla, Mengtao Li, Carina Mihai, Gabriela Riemekasten, Petros P Sfikakis, Gabriele Valentini, Otylia Kowal-Bielecka, Yannick Allanore, Oliver Distler

Anti-Ro52 antibodies positivity in antisynthetase syndrome: a single centre cohort study

Sara Lettieri (Pavia, Italy), Emanuele Bozzalla-Cassione, Giovanni Zanframundo, Valentina Vertui, Matteo Della Zoppa, Vittorio Chino, Francesco Bertuccio, Lorenzo Cavagna, Federica Meloni

Radiological Patterns and Pulmonary Function Value of Lung Involvement in Primary Sjögren's Syndrome

Claudio Candia (Naples, Italy), Roberto Rega, Iliana Mormile, Michela Williams, Eliana Sferra, Amato De Paulis, Francesca Wanda Rossi, Antonio Molino

Adherence to daily home-based spirometry during a 3-month period in patients with ILD: The RALPMH Study

Malik A Althobiani (London, United Kingdom), Yatharth Ranjan, Joseph Jacob, Michele Orini, Richard Dobson, John R. Hurst, Joanna C. Porter, Amos A. Folarin

Gratitude perception during Mindfulness-Based Intervention (IBM) in patients with interstitial lung disease (ILD)

Siliana Maria Duarte Miranda (,), Eliane Viana Mancuzo, Gabriela Assis Pires, Luiz Fernando Ferreira Pereira, Andrew Nogueira Albuquerque Leal, Sara Cunha Paiva

Progressive fibrosing interstitial lung disease in hypersensitivity pneumonitis

Maria Laura Alberti (Buenos Aires, Argentina), Jose Maria Malet Ruiz, Leandro Fassola, Santiago Auteri, Martin Fernandez, Pablo Donati, Fabian Caro

Baseline characteristics and survival of Progressive Fibrosing Interstitial Lung Disease in Rheumatoid Arthritis. A single center retrospective study.

Fabián Matias Caro (Ciudad Autónoma Buenos Aires, Argentina), Pablo Donati, Rocio Ruiz, Santiago Auteri, Leandro Fassola, Martín Eduardo Fernández, Tatiana Barbich, María Laura Alberti

Effectiveness of immunosuppressive therapy in the progression of rheumatoid arthritis-associated interstitial lung disease in adult patients. A systematic review and meta analysis

Josefa López Herrera (Santiago, Chile), Mercedes Tapia, Luis Toro, Nataly Ruiz, Mauricio Salinas

Clinical outcomes of patients with acute exacerbations in interstitial lung diseases

Mariana Ramos Martins (Faro, Portugal), David Barros-Coelho, Pedro Ribeirinho-Soares, André Terras-Alexandre, Natália Melo, Patrícia Cactano-Mota, Hélder Novais-Bastos, António Morais

ILD associated with primary Sjögren's syndrome is frequently progressive

Anna Maria Hoffmann-Vold (Oslo, Norway), Håvard Fretheim, Phuong Phuong Diep, Karoline Lerang, Helena Andersson, Øyvind Midtvedt, Torhild Garen, Michael Durheim, Trond Mogens Aaløkken, Øyvind Palm, Øyvind Molberg

Clinical difference of interstitial lung disease patients positive for anti-aminoacyl-tRNA (ARS) synthetase antibodies between dermatomyositis/polymyositis (PM/DM) group and non-myositis group

Masashi Momose (Kurashiki, Japan), Machiko Arita, Tadashi Ishida

PAD4 is associated with the predominance of fibrosis in interstitial lung diseases-rheumatoid arthritis

Karol Jazmin Nava Quiroz (México, Mexico), Gloria Pérez-Rubio, Ivette Buendía-Roldán, Mayra Mejía, Jorge Rojas-Serrano, Pedro Rodríguez-Henríquez, Ramcés Falfán-Valencia

Estimating the additional clinical workload required for nintedanib treatment in PF-ILD

Alana Livesey (Birmingham (West Midlands), United Kingdom), Manbir Duggal, Anjali Crawshaw, Davinder Dosanjh, David Thickett

UK Pigeon Fanciers display a high prevalence of symptoms normally associated with connective tissue disease ILD

Mark Spears (Stirling (Stirlingshire), United Kingdom), Louise Wain, Bibek Gooptu, Stephen J Bourke, Matthew Embley, Philip Lynch, Gavin Boyd, Charles Mcsharry

Assessment of initial dyspnea predicts progression of systemic sclerosis-associated interstitial lung disease (ILD-SSc) at 5 years.

Eliane Viana Mancuzo (Belo Horizonte (MG), Brazil), Luiz Arreguy Nogueira, Ricardo Amorim Correa, Luiz Fernando Ferreira Pereira

Computed tomography morphometric analysis of idiopathic inflammatory myopathy related interstitial lung disease correlates with forced vital capacity

Patrick Coghlan (Dublin 4, Ireland), Alex O'Mahony, Patrick Henry, Claire Crowley, David Ryan, Niamh Moore, Michael Maher, Owen J O'Connor, Michael Henry

Profile of patients with Connective disease associated ILD presenting to a tertiary care hospital in South India

Barney Isaac (Vellore (Tamil Nadu), India), Shona Christopher, Balamugesh Thangakunam, Devasahayam J Christopher

Evolution of fibrotic interstitial lung diseases (ILD) after COVID-19

Mariana Ramos Martins (Faro, Portugal), Mariana Serino, Beatriz Martins, Inês Carvalho, Carolina Valente, Miguel Barbosa, Catarina Cascais-Costa, Marina Alves, André Terras-Alexandre, Natália Melo, Patrícia Caetano-Mota, Hélder Novais-Bastos, António Morais

Progressive Idiopathic Inflammatory Myopathy-associated Interstitial Lung Diseases (IIM-ILDs)

Gioele Castelli (Padova, Italy), Elisabetta Cocconcelli, Elisabetta Zanatta, Chiara Giraud, Nicol Bernardinello, Giordano Fiorentù, Cristina Dartora, Luca Iaccarino, Paolo Spagnolo, Elisabetta Balestro

TP-5 Session 08:30 - 09:30**Thematic poster: Advanced models for drug discovery and functional changes in lung disease**

Disease(s) : Interstitial lung diseases Airway diseases Pulmonary vascular diseases Thoracic oncology

Method(s) : Cell and molecular biology Imaging Physiology

Chairs : Arunima Sengupta (Bern, Switzerland), Simon D. Pouwels (Zuidhorn, Netherlands)

Bleomycin-induced in vitro 3D spheroid model to emulate pulmonary fibrosis

Ozlem Goksel (Izmir (Bornova), Turkey), Ecem Saygili, Utku Devamoglu, Bakiye Goker-Bagca, Cigir Biray-Avci, Tuncay Goksel, Özlem Yesil-Celiktas

Reticular basement membrane proteins modulate basal airway epithelial attachment and barrier formation in asthmatic airways

Aileen Hsieh (Vancouver, Canada), Emmanuel Osei, May Fouadi, Kauna Usman, Yolanda Yang, Tillie-Louise Hackett

Late Breaking Abstract - An apical-out airway organoid model to study viral infections and assess antiviral drug effects

Georgios Stroulios (Cambridge, United Kingdom), Tyler Brown, Douglas Kondro, Alessandro Dei, Allen Eaves, Sharon Louis, Juan Hou, Wing Chang, Salvatore Simmini

Aging Induces Stiffening of the Lung Extracellular Matrix

Isaac Almendros Lopez (Barcelona, Spain), Maria Narciso, Anna Ulldemolins, Daniel Navajas, Ramon Farre, Nuria Gavara

Autosomal recessive mutations in TP73 cause a mucociliary clearance disorder and lissencephaly

Heymut Omran (Münster, Germany), Julia Wallmeier, Diana Bracht, Hessa S. Alsaif, Gerard W. Dougherty, Heike Olbrich, Sandra Cindric, Mark Dzierko, Christoph Heyer, Norbert Teig, Charlotte Thiels, Fowzan Alkuraya, Cordula Koerner-Rettberg

An in vivo genetic screen of lung function candidate genes using tissue-specific RNAi in *Drosophila melanogaster*
Emma Szamek (Nottingham, United Kingdom), Ian Sayers, Marios Georgiou, Zsuzsa Markus

Humanized Patient-derived xenograft models for developing personalized therapy against Small Cell Lung Cancer
Ralph Meuwissen (Izmir, Turkey), Hadi Rouhrazi, Sevgi Erdem, Venus Zafari, Giti Esmailnia

Airspace dilatation is present at birth and increases with age in mice with cystic-fibrosis like lung disease
Pinelopi Anagnostopoulou (Nicosia, Cyprus), Sanja Blaskovic, Dominik Schittny, Elena Borisova, Florian Kronig, Sai K. Ganesh, Zhe Zhou-Suckow, Marcus A. Mall, Christian M. Schlepütz, Marco Stampanoni, Johannes C. Schittny

Respiratory disease modeling using submerged differentiated airway epithelial cells
Gimano Amatngalim (Utrecht, Netherlands), Hetty Raeven, Lisa Rodenburg, Loes Oosterhoff, Shannon Smits, Isabelle Van Der Windt, Cornelis Van Der Ent, Jeffrey Beekman

An amplification-free, innovative, multiplex assay to quantify microRNAs in single cells from COPD patients
Vanessa Ho (London, United Kingdom), Jonathan R Baker, Keith R Willison, David R Klug, Peter J Barnes, Louise E Donnelly

Novel strategies for genetic manipulation of human iPSC-derived organoid platforms
Irene Oglesby (Dublin 9, Ireland), Chiara De Santi, Anja Schweikert, Sally Ann Cryan, Killian Hurley

Development of a bronchial epithelium model innervated by sensory neurons from human induced pluripotent stem cells
FLORENT FOISSET (ILLKIRCH CEDEX, France), Christine Lehalle, Amel Nasri, Carine Bourdais, Isabelle Vachier, Said Assou, Quentin Muller, Vincent Flacher, Arnaud Bourdin, John De Vos, Nelly Frossard

Prolonged 3D culture leads to telomere length attrition in induced pluripotent stem cell-derived type 2 alveolar epithelial cells
Anja Schweikert (Dublin, Ireland), Mari Ozaki, Irene Oglesby, Killian Hurley

High through-put computerised image analysis for primary ciliary dyskinesia diagnostics
Claire L Jackson (Southampton (Hampshire), United Kingdom), Nevetha Pathmanathan, Janice L Coles, David Chatelet, Gemma Fryatt, Jane S Lucas

Cross-talk between alveolar epithelial cells and pulmonary arterial endothelial cells modulates activity of the L-arginine–dimethylarginine–NO pathway in hypoxia.
Rainer Böger (Hamburg, Germany), Lena Schmidt-Hutten, Fiona Franke, Mariola Kastner, Melanie Reckordt, Juliane Hannemann

Defining spatial secretome and ciliome across multiciliated epithelia
Md. Miraj Kobad Chowdhury (Dhaka, Bangladesh), Lynne Bingle, Colin Bingle

Defining the functions of PIERCE1 and C15ORF65 during ciliogenesis of HBEC3-KT cells
Md. Miraj Kobad Chowdhury (Dhaka, Bangladesh), Priyanka Anujan, Lynne Bingle, Colin Bingle

Relating ciliary dysfunction to clinical phenotypes in COPD
James Tonkin (London, United Kingdom), Andrew Rogers, Christopher M Orton, Francesca M Conway, Bavithra Vijayakumar, Ley Chan, Anand Tana, Cielito Caneja, Laura Avanzi, Rebecca Wawman, Alexandra Baikov, Pankaj K Bhavsar, Pallav L Shah

An artichoke-derived compound increase $[Ca^{2+}]_i$ by inhibiting Sarco/Endoplasmic Reticulum Ca^{2+} -ATPase (SERCA) and activates airway ciliary beating in humans
Shigekuni Hosogi (Kyoto, Japan), Nobuhisa Todo, Kouta Noriyama, Nobuyo Tamiya, Masaki Shigeta, Seikou Nakamura, Koichi Takayama, Eishi Ashihara

Comparative secretome analysis of differentiated epithelial cells grown at the Air liquid interface (ALI)
Zeyad Alharbi (Sheffield (England), United Kingdom), Lynne Bingle, Colin Bingle

TP-16

Session

08:30 - 09:30

Thematic poster: Surgery for mediastinal and benign thoracic diseases

Disease(s) : Pulmonary vascular diseases Thoracic oncology Interstitial lung diseases Airway diseases

Method(s) : Imaging Surgery Pulmonary function testing Public health Cell and molecular biology Epidemiology

Chairs : Stefano Elia (Roma (RM), Italy), Cecilia Pompili (Leeds, United Kingdom)

Dyspnoea improves following composite repair of giant hiatus hernia

Gregory Falk (Lindfield, Australia), Oleksandr Khoma, Ngar Lok Joshua Wong, Miho Mugino, Maite Jeanne Khoma, Hans Van Der Wall

Reflux cough and LPR: The utility of fundoplication

GI Falk (Lindfield, Australia), Sashidhar Yeluri, David Mitchell, Hans Van Der Wall

Impact of diaphragmatic surgery on spirometric parameters

YOSR BEN ATTIG (Tunis, Tunisia), Emna Ben Jemia, Rime Essid, Kaouther Ben Amara, Mohamed Sadok Boudaya

Contribution of ultrasound in the postoperative evaluation of the diaphragmatic function after surgery for intrathoracic occurrence of hepatic hydatid cyst

YOSR BEN ATTIG (Tunis, Tunisia), Emna Ben Jemia, Kaouther Ben Amara, Siwar Hamdi, Mohamed Sadok Boudaya

Pulmonary decortication: indications and results

Abdessalem Hentati (Sfax, Tunisia), Mouna Nasri, Walid Abid, Ahmed Ben Ayed, Zied Chaari, Imed Frikha

One-stop-shop diagnosis and surgical therapy for small nodules of early stage lung cancer in a hybrid theatre

Claudio Caviezel (Zürich, Switzerland), Konstantinos Kostopanagiotou, Gilbert Puipe, Raphael Werner, Isabelle Opitz

Thoracic approach of concomitant lung and liver hydatid cysts

Sarrah Zairi (Tunis, Tunisia), Wissem Jendli, Hela Kamoun, Mahdi Abdennadher, Hazem Zribi, Monia Attia, Taher Mestiri, Saoussen Hantous, Adel Marghli

Conservative Surgical Management in Giant Lung Hydatid Cyst

amina abdelkbir (ben arous, Tunisia), Mahdi Abdennadher, WIFEK SAIDANI, Mariem Hadj Dahmen, Hazem Zribi, Imen Bouacida, Amina Abdelkebir, Sonia Ouerghi, Sarrah Zairi, Adel Marghli

Intrathoracic hemangioma : Report of 8 cases

amina abdelkbir (ben arous, Tunisia), Mahdi Abdennadher, Nouha Boubaker, Hazem Zribi, Sarrah Zairi, Amina Abdelkabar, Imen Bouacida, Mouna Mlika, Sonia Ouerghi, Adel Marghli

Primary Mediastinal Germ Cell Tumors in Children and Adolescents: a report of 6 cases

amina abdelkbir (ben arous, Tunisia), Kaouther Ben Amara, Mahdi Abdennadher, Amina Abdelkebir, Hazem Zribi, Aida Kaddour Ayadi, Sonia Ouerghi, Sarrah Zairi, Adel Marghli

Primary muscular hydatid cyst of the anterior chest wall: the pectoralis major muscle, four cases

amina abdelkbir (ben arous, Tunisia), Asma Saad, Imen Bouacida, Mahdi Abdennadher, Chaker Jaber, Amira Dridi, Hazem Zribi, Adel Marghli

Management of pulmonary abscesses in a surgical setting

Sabrine Maddeh (Bizerte, Tunisia), Bechir Ben Radhia, Chrif Taieb, Kortas Chokri, Sofiane Jerbi

One-stage surgery of bilateral pulmonary hydatidosis

amina abdelkbir (ben arous, Tunisia), Nouha Boubaker, Mahdi Abdennadher, Amina Abdelkabar, Hazem Zribi, Henda Neji, Faouzi Mezni, Sonia Ouerghi, Sarrah Zairi, Adel Marghli

Post-CABG pleural effusions : Does previous asbestos exposure increase the risk?

Hugh Welch (Bristol, United Kingdom), Jessica Harris, Maria Pufulete, Arnaldo Dimagli, Umberto Benedetto, Nick Maskell

Hemoptosis revealing Pulmonary arteriovenous malformation: A rare indication of surgical treatment

amina abdelkbir (ben arous, Tunisia), WIFEK SAIDANI, Imen Bouassida, Mahdi Abdennadher, Hazem Zribi, Amina Abdelkabar, Sarrah Zairi, Amira Dridi, Adel Marghli

Minimally invasive surgery for mediastinal tumors Abdelkbar A, Labidi A, Abdennadher M, Zribi H, Zairi S, Marghli A

Aymen Labidi (tunis, Tunisia), Amina Abdelkbar, Mehdi Abdennadher, Hazem Zribi, Sarrah Zairi, Merghli Adel

Primary chest wall Ewing sarcoma: peculiarities of management

Sarrah Zairi (Tunis, Tunisia), Emna Brahem, Hela Kamoun, Mehdi Abdennadher, Hazem Zribi, Monia Attia, Taher Mestiri, Saoussen Hantous, Faouzi El Mezni, Adel Marghli

Neurogenic tumors of the chest wall: a report of 30 cases

amina abdelkbir (ben arous, Tunisia), Kaouther Ben Amara, Mahdi Abdennadher, Hazem Zribi, Sarrah Zairi, Adel Marghli

Surgery of malignant neurogenic tumors of the mediastinum: a series of 13 cases

amina abdelkbir (ben arous, Tunisia), Asma Saad, Imen Bouacida, Mariam Hadj Dahmen, Chaker Jaber, Sonia Ouerghi, Hazem Zribi, Adel Marghli

The role of alveolar macrophages and smoking in the development of postoperative pulmonary complications after lung cancer surgery.

Sebastian Lugg (Birmingham (West Midlands), United Kingdom), Rahul Mahida, Lauren Davis, Dhruv Parekh, Babu Naidu, Aaron Scott, David Thickett

Studio **Session** **08:45 - 09:15****News from the Studio: Day 2 highlights not to miss****Chairs** : Thierry Troosters (Leuven, Belgium), Silke Meiners (Sülfeld, Germany)**08:45 Discussion and Q&A****8C (live-streamed)** **Session** **09:30 - 11:00****Symposium: Treatment of acute respiratory failure in chronic obstructive pulmonary disease patients****Aims** : to provide an update on and discuss existing and new treatment options for acute respiratory failure due to chronic obstructive pulmonary disease (COPD) exacerbations; to discuss long-term outcomes and treatment options to change the long-term consequences of severe COPD exacerbations.**Disease(s)** : Airway diseases Respiratory critical care**Method(s)** : Palliative care Respiratory intensive care**Tag(s)** : Clinical**Target audience** : Adult pulmonologist/Clinician, Clinical researcher, Medical Technical Assistant, Nurse, Respiratory critical care physician, Respiratory physiotherapist, Journalist**Chairs** : Leo Heunks (Amsterdam, Netherlands), Miriam Barrecheguren Fernandez (Barcelona, Spain)**09:30 Evidence-based recommendations for non-invasive ventilation in patients with acute COPD exacerbations**
Marieke L. Duiverman (Groningen, Netherlands)**09:45 Nasal high-flow therapy for acute COPD exacerbations: the new kid on the block**
Paolo Navalesi (Padova, Italy)**10:00 Invasive mechanical ventilation and extracorporeal CO2 removal in patients with acute COPD exacerbations**
Christian Karagiannidis (Cologne, Germany)**10:15 Long-term outcomes after severe COPD exacerbations**
Rebecca D'Cruz (London, United Kingdom)**10:30 Discussion and Q&A****8G (live-streamed)** **Session** **09:30 - 11:00****Symposium: Dangers in the air we breathe****Aims** : to present recent scientific highlights about the effects of airborne pollution factors, especially allergens, diesel exhaust particles, microplastics and microtextiles, on the lungs; to compare their effects in children and adults; to discuss the biology of allergen-induced lung disease; to describe biological sex differences in response to exposure to these factors. The dangers of airborne environmental factors to the human lung are of great and diverse interest due to the current strong international focus on climate change and air pollution.**Disease(s)** : Airway diseases Paediatric respiratory diseases**Method(s)** : Cell and molecular biology Epidemiology Public health**Tag(s)** : Translational**Target audience** : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Paediatrician, Scientist (basic, translational)**Chairs** : Charlotte Suppli Ulrik (Virum, Denmark), Catherine Greene (Dublin 9, Ireland)**09:30 Overview of environmental factors affecting allergic airway disease**
Cezmi A. Akdis (Davos, Switzerland)**09:45 Smoke, smog and aeroallergens: effects on children and adults**
Mary Rice (Boston, United States)**10:00 Microplastics and microfibres in the air we breathe**
Barbro N. Melgert (Groningen, Netherlands)**10:15 Effects of inhaled diesel exhaust particles on airway inflammation**
Neeloffer Mookherjee (Winnipeg (MB), Canada)**10:30 Discussion and Q&A**

8H (live-streamed) Session 09:30 - 11:00**Hot topics: Bronchiectasis: how recent advances in research can support personalised medicine in practice****From research to personalised medicine in bronchiectasis**

Aims : To provide the most recent advances in the understanding of bronchiectasis and in potential applications in clinical practice; to improve the clinical management of the disease through a personalised medicine approach.

Disease(s) : Respiratory infections

Method(s) : Cell and molecular biology Imaging Pulmonary rehabilitation

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Technical Assistant, Patient, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist, Journalist

Chairs : Eva Polverino (Barcelona, Spain), Giovanni Sotgiu (Sassari, Italy)

09:30 The role of microbiome analysis in the pathophysiology and clinical management of bronchiectasis
Sanjay Haresh Chotirmall (Singapore, Singapore)

09:45 Bronchiectasis: is airways inflammation more important to tag than infections?
James D. Chalmers (Dundee (Angus), United Kingdom)

10:00 How technological innovation can support physicians regarding decision making in bronchiectasis
Harm Tiddens (Rotterdam, Netherlands)

10:15 What we need to build a multidisciplinary team for the optimal management of bronchiectasis
Stefano Aliberti (Milano (MI), Italy)

10:30 Discussion and Q&A

8B (live-streamed) Session 09:30 - 11:00**Clinical trials session: ALERT 2: Digital and paediatric**

Aims : Including the ALERT sessions (Abstracts Leading to Evolution in Respiratory Medicine Trials), these formats showcase important and very late-breaking clinical trial data from all respiratory disease areas. Presenters, session chairs and viewers will take part lively discussions on the presented trials.

Disease(s) : Thoracic oncology Airway diseases

Method(s) : Epidemiology Public health General respiratory patient care Imaging Pulmonary function testing Pulmonary rehabilitation

Tag(s) : Clinical

Chairs : Anita Simonds (London, United Kingdom), Ayşe Arzu Yorgancıoğlu (Konak, Turkey)

Discussants : Andrea Aliverti (Milan, Italy), Discussant to be confirmed

Late Breaking Abstract - Clinically relevant effects on physical activity with web-based self-management support in people with COPD: a randomized controlled trial

Andre Nyberg (Umeå, Sweden), Tobias Stenlund, Åsa Karlsson, Per Liv, Karin Wadell

Effect of an immediate, remote smoking cessation intervention vs usual care among participants enrolled in lung health check: QuLIT2 study.

Parris Williams (London, United Kingdom), Keir Philip, Navjot Kaur-Gill, Deirdre Flannery, Sara Buttery, Emily Bartlett, Anand Devaraj, Jamie Addis, Samuel Kemp, Michelle Chen, Jane Derbyshire, Katie Morris, Anthony Lavery, Nicholas Hopkinson

RCT Abstract - Effect of pharmacy-supported digital medicine program on asthma control

Luca Ponti (Milan, Italy), Cristina Onnis, Sebastian Ferri, Job Van Der Palen, John Pritchard, Mauro Citterio, Giuseppe Recchia, Luca Ponti, Martijn Grinovero

Wrap-up by discussant and discussion

Andrea Aliverti (Milan, Italy)

Antibiotic use during severe RSV bronchiolitis may increase subsequent recurrent wheeze risk

Avraham Beigelman (Petah Tikva, Israel), Mythili Srinivasan, Charles Goss, Jinli Wang, Yanjiao Zhou, Kelly True, Elizabeth Ahrens, Dana Burgdorf, Matthew Haslam, Jonathan Boomer, Sarah Bram, Carey-Ann Burnham, Timothy Casper, Andrea Coverstone, Watcharoot Kanchongkittiphon, Cadence Kuklinski, Gregory Storch, Meghan Wallace, Huiqing Yin-Declue, Mario Castro, Kenneth Schechtman, Leonard Bacharier

Late Breaking Abstract - Inhaled corticosteroids to improve lung function in survivors of very preterm birth: PICSI RCT

Shannon Simpson (Perth (WA), Australia), Rhea Urs, Denby Evans, Tiffany Bradshaw, Rachel Foong, Elizabeth Smith, James Gibbons, Andrew Wilson

Wrap-up by discussant and discussion

Speaker to be confirmed

Closing remarks**8A (live-streamed) Session 09:30 - 11:00****State of the art session: Interstitial lung diseases****Trends, controversies and open questions in ILD**

Aims : to present significant insights gained recently about many different forms of rare lung diseases, i.e cystic lung diseases (lymphangiomyomatosis), fibrosing lung diseases. To discuss new treatment options that have been licensed for different pulmonary complications of autoimmune diseases, which commonly affect the lungs; to provide an update about drug-induced lung diseases that are an important differential diagnosis of ILDs; to discuss challenges in diagnosis and treatment. to emphasize the importance of acute exacerbations which are one of the most debilitating complications of mainly fibrosing ILDs and are a neglected field.

Disease(s) : [Interstitial lung diseases](#)**Method(s) :** Imaging Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Respiratory critical care physician, Physician in Pulmonary Training, Radiologist**Chairs :** Katerina Antoniou (Heraklion, Greece), Karen Moor (Rotterdam, Netherlands), Sergio Harari (Milano (MI), Italy)

09:30 New trends in cystic lung diseases
Cormac McCarthy (Dublin 4, Ireland)

09:45 Acute exacerbations of fibrosing ILDs: controversies and new insights
Michael Kreuter (Heidelberg, Germany)

10:00 Pulmonary manifestations in autoimmune diseases
Elisabeth Bendstrup (Aarhus N, Denmark)

10:15 Drug-induced lung diseases: past, present and future
Philippe Camus (Dijon, France)

10:30 Discussion and Q&A

Studio Session 09:30 - 12:15**Online skills lab: Interventional pulmonology****Aims :** To demonstrate bronchoscopic techniques for the diagnosis, nodal staging and treatment of lung cancer

To provide update on novel interventional techniques

To demonstrate how to perform cryobiopsy in ILD

To demonstrate how do to rigid thoracoscopy and pleuro desis for suspected pleural malignancy.

To demonstrate TUS in various pulmonary diseases including interventions

Chairs : Jouke T. Annema (Amsterdam, Netherlands), Daniela Gompelmann (Vienna, Austria)

09:30 Introduction

09:35 Diagnostic bronchoscopic procedures: Cryobiopsy for ILD
Claudia Ravaglia (Forlì, Italy)

09:50 Diagnostic bronchoscopic procedures: Bronchoscopic Access to peripheral lesions using conebeam + radial ebus
Erik H.F.M. van der Heijden (Nijmegen, Netherlands)

10:05 Diagnostic bronchoscopic procedures: Combined EBUS and EUS-B for lung cancer staging
Artur Szlubowski (Kraków, Poland)

10:20 Diagnostic bronchoscopic procedures: Cryo – TBNA for lung and mediastinal diagnosis
Felix J.F. Herth (Heidelberg, Germany)

10:35 Q&A

10:45 Break**11:00 Therapeutic bronchoscopic/pleural procedures: Airway recanalization for central airway obstruction**
Jiri Votruba (Prague, Czech Republic)**11:15 Therapeutic bronchoscopic/pleural procedures: Radiofrequent ablation for bronchoscopic lungtumor treatment**
Judith Brock (Heidelberg, Germany)**11:30 Therapeutic bronchoscopic/pleural procedures: One stop Rapid Pleurodesis - Thoracoscopic Talc Poudrage for malignant pleural effusions**
Mohammed Munavvar (Preston (Lancashire), United Kingdom)**11:45 Therapeutic bronchoscopic/pleural procedures: Bronchial thermoplasty and Optical Coherence Tomography for severe asthma**
Peter I. Bonta (Amsterdam, Netherlands)**12:00 Q&A****8N****Session****09:45 - 11:00****Oral presentation: Chronic and acute lung infections in children****Disease(s) :** **Airway diseases****Method(s) :** General respiratory patient care Surgery Cell and molecular biology Public health Endoscopy and interventional pulmonology Pulmonary function testing Epidemiology**Chairs :** Marijke Proesmans (Leuven, Belgium), Stefan Unger (Edinburgh (Edinburgh), United Kingdom)**Reticular basement membrane thickness for prediction of subsequent lung function in children with primary ciliary dyskinesia: follow up study.**

Václav Koucký (Tanvald, Czech Republic), Jiří Uhlík, Petr Pohunek

Distinct inflammatory responses and effect of Azithromycin on respiratory cells in PCD

Žofia Varényiová (Prague, Czech Republic), Laura Rojas, Jacquelyn Spano, Tyson Holmes, Carlos Milla

Mannose-binding lectin genotype in relation to childhood respiratory infection and atopy outcomes: a multi-centre cohort study

Tom Ruffles (hove, United Kingdom), Kaninika Basu, Sarah Inglis, Stephen Bremner, Heike Rabe, Anjum Memon, Paul Seddon, Roger Tavendale, Colin Palmer, Somnath Mukhopadhyay, Katy Fidler

Proteomics of paediatric airway secretions to identify potential biomarkers to guide antibiotic decision making in LRTI

Jonathan Twynam-Perkins (Edinburgh, United Kingdom), Anna Karagianni, Samir Saha, Judit Aguilar, Dominic Thekkedath Kurian, Hafizur Rahman, David Dockrell, Steve Cunningham

Investigating markers of pulmonary aspiration in bronchoalveolar lavage from children with severe neurodisability

Rosie Maher (Liverpool, United Kingdom), Robert Beynon, Ruth Trinick, Paul Menamara

Pulmonary genetic basis of bronchiolitis obliterans in children

Hasan Yuksel (Manisa, Turkey), Gülsüm Kayhan, Mahmut Turğut, Merve Öçalan, Özge Yılmaz

Fish oil and vitamin D supplementations in pregnancy protect against childhood croup

Nicklas Brustad (Gentofte, Denmark), Luo Yang, Bo Chawes, Jakob Stokholm, Gözde Gürdeniz, Klaus Bønnelykke, Hans Bisgaard

Plasma steroid metabolite profiles are strongly associated with childhood respiratory infection proneness (CRIP)

Craig Wheelock (Stockholm, Sweden), Nicole Prince, Min Kim, Rachel Kelly, Hans Bisgaard, Bo Chawes, Jessica Lasky-Su

Surgery for hydatid cyst of the lung in children: over 30-years bi-centric experience.

Abdessalem Hentati (Sfax, Tunisia), Zied Chaari, Aymen Ben Ayed, Emna Krichen, Saloua Ammar, Walid Abid, Riadh Mhiri, Imed Frikha

Late Breaking Abstract - The monopoly of minor group rhinovirus in respiratory virus infection in children during the SARS-CoV-2 pandemic

Chun Sang PUN (Hong Kong, Hong Kong), Shaojun Liu, K.P. Tao, Yan Wang, Joseph G.S. Tsun, Agnes S.Y. Leung, Zigui Chen, Paul K.S. Chan, Kate C.C. Chan, Albert M. Li, Renee W.Y. Chan

Discussion

8L Session 09:45 - 11:00

Oral presentation: Pearls in airway immunology: from mouse to man

Disease(s) : **Airway diseases**

Method(s) : Cell and molecular biology Physiology Pulmonary rehabilitation

Chairs : Marco Idzko (Wien, Austria), Lena Uller (Lund, Sweden)

Maternal PIGR deficiency predisposes to severe viral bronchiolitis by affecting the infant microbiome and neonatal immune development

Ridwan Rashid (Brisbane City, Queensland, 4006, Australia), Paraic O Cuiv, Robert Hoelzle, Paul Dennis, Simon Phipps

Unravelling the role of miR-223 in the regulation of pollutant-aggravated allergic airway inflammation

Tania Maes (Ghent, Belgium), Mirjam Roffel, Annelies Bontinck, Joyceline De Volder, Corry-Anke Brandsma, Sonja Skevin, Filip Van Nieuwerburgh, Guy Joos, Guy Brusselle, Ken Bracke, Maarten Van Den Berge, Irene Heijink

LSC - 2022 - G-CSF drives pathophysiology of RV-induced allergic asthma exacerbations by potentiating neutrophilic inflammation and ILC2 function

Nicoletta Bruno (London, United Kingdom), Aran Singanayagam, Hugo A. Farne, Julia Aniscenko, Nicholas Glanville, Chloe J. Pyle, Dhiren F. Patel, Sebastian L. Johnston, Robert J. Snelgrove

Nasal polyposis in severe asthma is associated with airway autoimmunity towards eosinophils and macrophages

Lise Lotte Eriksen (Copenhagen NV, Denmark), Anna Von Bülow, Laurits Frössing, Morten Hvidtfeldt, Ditte Kjærsgaard Klein, Manali Mukherjee, Parameswaran Nair, Celeste Porsbjerg

IL-6high asthma is associated to a downmodulation of several exosomal microRNAs

Sara Vázquez-Mera (Santiago de Compostela, Spain), Pablo Miguéns-Suárez, Laura Martelo-Vidal, Juan José Nieto-Fontarigo, Coral González-Fernández, Uxío Calvo-Alvarez, Ana Faraldo-García, Christian Calvo-Henríquez, Paula Méndez-Brea, Francisco-Javier González- Barcala, Francisco Javier Salgado-Castro

Reduced ACE2 and TMPRSS2 immunopositive bronchial cells in asthmatics after inhaled allergen challenge.

Christiane Whetstone (Hamilton, Canada), Maral Ranjbar, Nadia Alsaji, Dhuha Al-Sajee, Lesley Wiltshire, Jennifer Wattie, Paul O'Byrne, Ruth Cusack, Roma Sehmi, Gail Gauvreau

LSC - 2022 - Distinct metabolic reprogramming of airway epithelium in asthma in response to infection with rhinovirus

Urszula Radzikowska (Davos Platz, Switzerland), Mengting Huang (Davos Wolfgang, Switzerland), Mei Ding, Urszula Radzikowska, Juan Rodriguez-Coira, Nino Stocker, Ge Tan, Anja Heider, Sebastian Johnston, Cezmi A. Akdis, Milena Sokolowska

Effect of exercise training on Treg cell response in severe COPD individuals: a randomized and controlled trial

Fernanda Degobbi Tenorio Quirino dos Santos Lopes (São Paulo (SP), Brazil), Juliana Tiyaki Ito, Luana M Oliveira, Luan V Alves, Rafaella F Xavier, Maria N Sato, Celso R F Carvalho, Iolanda F L C Tiberio

Differences in Innate Lymphoid Cell profiles between COPD, asthma, smoking controls and non-smoking healthy controls

Cathelijne van Zelst (Rotterdam, Netherlands), Johannes In 'T Veen, Geertje De Boer, Marjolein De Bruijn, Menno Van Nimwegen, Esmee Van Der Ploeg, Lisette Krabbendam, Denise Van Uden, Ralph Stadhouders, Gerdien Tramper-Stranders, Gert-Jan Braunstahl, Rudi Hendriks

Late Breaking Abstract - IL-23 contributes to Particulate Matter induced allergic asthma in neonatal mice

Hyun Seung Lee (Seoul, Republic of Korea), Heung-Woo Park, Kyoung-Hee Lee

Discussion

8M Session 09:45 - 11:00

Mini symposium: Deconstructing the developing lung at the single cell level to determine phenotypes and cell-specific targets of bronchopulmonary dysplasia

Aims : to contrast and differentiate cell-specific changes and cell-cell interdependency in the pathogenesis of bronchopulmonary dysplasia (BPD) compared with normal lung development, to provide new phenotype-directed and cell-specific targeted strategies for the prevention and treatment of BPD using systems biology approaches; to define the evolution of lung cell heterogeneity and transcriptomic diversity at single-cell resolution across late lung development; to differentiate phenotypes and endotypes of BPD using transcriptomic approaches together with clinical characteristics; to contrast individual cell types and their proportion in phenotypes of BPD using scRNASeq; to identify cell-cell communication and interdependency by combining systems biology with phenotypes of BPD; to describe new preventive and therapeutic strategies with cell-targeted approaches; and to decipher innovative avenues to protect and regenerate lungs through integration of transcriptomics, proteomics and individual risk. This symposium will not only compare new cellular and molecular insights into the origins of different phenotypes of BPD, but also contrast cell-cell interaction and interdependency in healthy lungs and phenotypes of BPD. Beyond the novel mechanistic insight, the speakers will also describe exciting new therapeutic strategies such as cell-targeted therapy and how the use of combined systems biology will drive precision medicine.

Disease(s) : Paediatric respiratory diseases Pulmonary vascular diseases**Method(s) :** Cell and molecular biology General respiratory patient care Physiology**Tag(s) :** Translational**Target audience :** Medical Student, Paediatrician, Scientist (basic, translational)**Chairs :** Rory Morty (Heidelberg, Germany), Niki Ubags (Epalinges, Switzerland)

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| 09:45 | Phenotypic diversity of the lung vasculature during a period of rapid postnatal growth
Cristina M. Alvira (Palo Alto, Stanford, United States) |
| 09:59 | Intercellular communication of the alveolar niche in postnatal lung health and bronchopulmonary dysplasia
Miguel Angel Alejandre Alcázar (Köln, Germany) |
| 10:13 | Placental impact on the developing fetal lung and phenotypes of bronchopulmonary dysplasia
Elizabeth Taglauer (Boston, United States) |
| 10:27 | Novel therapeutic cell-based strategies for neonatal chronic lung disease: pros and cons
Bernard Thébaud (Ottawa (ON), Canada) |
| 10:41 | Discussion and Q&A |

8F Session **09:45 - 11:00****Mini symposium: The two sides of every story: New translational insights into the heterogeneity of the obstructive sleep apnea effect and its treatment****Aims :** to describe the latest evidence supporting the heterogeneous effects of OSA and its treatment in different pathologies associated with this sleep breathing disorder; to identify the heterogenous effects of OSA and its treatment with CPAP, and its relationship with the genetic background of the patient; to explain the latest the potential dual effect of OSA as a deleterious disorder or potential promoter of protective mechanisms.**Disease(s) :** Airway diseases Sleep and breathing disorders**Method(s) :** Cell and molecular biology Epidemiology Physiology**Tag(s) :** Translational**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Paediatrician, Physician in Pulmonary Training, Physiologist, Scientist (basic, translational)**Chairs :** Manuel Sanchez De La Torre (Lleida, Spain), Athanasia Pataka (Thessaloniki, Greece)

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| 09:45 | Differential effects of OSA and the response to its treatment: role of the genetic background
Olivia Veatch (Kansas City, United States) |
| 10:00 | Potential dual effect of OSA on ischemic myocardium: from animal models to clinical data
Claire Arnaud (Grenoble, France) |
| 10:15 | From basic to clinical science in the relationship between OSA and cancer
Isaac Almendros Lopez (Barcelona, Spain) |
| 10:30 | Discussion and Q&A |

10:30-11:15**INDUSTRY SKILLS LAB WORKSHOP****SEE PAGE 1****8D** Session **10:40 - 13:00****Skills workshop: SW5 Cardiopulmonary rehabilitation beyond the basics****Aims :** To describe diagnostic methods and interventions that enhance the comprehensiveness of cardiopulmonary rehabilitation programmes and contribute to a more patient-tailored approach; to describe methods of assessing physical activity level in patients referred for cardiopulmonary rehabilitation and methods of providing cognitive behavioural therapy to promote physical activity; to describe neuromuscular electrical stimulation and the patients referred for cardiopulmonary rehabilitation who could benefit from this treatment; and to describe the incorporation of mindfulness-based interventions into cardiopulmonary rehabilitation and their outcomes.

Disease(s) : Airway diseases**Method(s) :** Pulmonary rehabilitation**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Respiratory therapist, Respiratory physiotherapist, Medical Student, Medical Technical Assistant, Nurse, Patient, Physician in Pulmonary Training, Physiologist, Journalist**Chairs :** Frits M.E. Franssen (Horn, Netherlands)**10:40 Introduction****10:40 Physical activity assessment and intervention**
Heleen Demeyer (Leuven, Belgium)**10:40 Neuromuscular electrical stimulation**
Maurice J.H. Sillen (Horn, Netherlands)**10:40 Frailty assessment and intervention**
Roberto Benzo (Rochester, United States)**10:40 Mindfulness interventions during cardiopulmonary rehabilitation**
Alice Malpass (Bristol, United Kingdom)**8B (live-streamed) Session 11:15 - 12:45****Symposium: How a crisis impacts health care providers and patients****Congress chair award session****Aims :** This congress chair session aims to discuss the impact of health crisis such as the war in Ukraine on health care providers (in the frontline and those taking care of refugees) and on patients. It will also illustrate how international organizations can support during health crisis.**Disease(s) :** Airway diseases Respiratory infections**Method(s) :** Epidemiology General respiratory patient care Public health**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Patient, Physician in Pulmonary Training, Respiratory physiotherapist, Thoracic surgeon, Respiratory therapist, Journalist**Chairs :** Anita Simonds (London, United Kingdom), Ayşe Arzu Yorgancıoğlu (Konak, Turkey)**11:15 The role of WHO during (regional and global) health crises.**
Hans Henri P. Kluge (Copenhagen, Denmark)**11:30 How a war changes respiratory medicine. Reflections as a health care provider in Ukraine.**
Vitalii Poberezhets (Vinnytsia, Ukraine)**11:45 Being a patient at (or away from depending on the patient) the frontline. My reflections as a patient**
Speaker to be confirmed**11:50 Impact of a war on the organization of respiratory health care**
Yurii Feshchenko (Kyiv, Ukraine)**11:55 Respiratory Healthcare and challenges in caring for refugees**
Speaker to be confirmed**12:10 Supporting frontline respiratory teams in 2022 - an ERS perspective**
Joanna Chorostowska-Wynimko (Warsaw, Poland)**12:20 Discussion and Q&A****8G (live-streamed) Session 11:15 - 12:45****Hot topics: The Human Lung Cell Atlas: a universal reference for all respiratory scientists****The closing symposium of the discovAIR H2020 project**

Aims : to empower the participants to use the Human Lung Cell Atlas for their own translational or basic research. To achieve this, the hot topic symposium at ERS2022 will introduce the Human Lung Cell Atlas, provide examples of the use of the Atlas, and illustrate the value of the Atlas for basic and translational research into lung diseases. After this symposium, the participants will be able to find the Human Lung Cell Atlas, to access the Atlas for gene- or cell-type-oriented queries for their own research activities, to use the Atlas for harmonised cell-type annotation of their own datasets and to contrast their own data from lung disease samples to the universal healthy reference present in the Atlas.

Disease(s) : Airway diseases Interstitial lung diseases Paediatric respiratory diseases

Method(s) : Cell and molecular biology Physiology

Tag(s) : Basic science

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Paediatrician, Pathologist, Physician in Pulmonary Training, Physiologist, Scientist (basic, translational), Thoracic oncologist, Journalist

Chairs : Catherine Greene (Dublin 9, Ireland), Charlotte Suppli Ulrik (Virum, Denmark)

11:15 Introduction of the “discovAIR consortium”
Speaker to be confirmed

11:20 The Human Lung Cell Atlas: how to use this universal reference of the cellular landscape of the healthy lung to answer your own research questions
Malte Lücken (Oberschleissheim, Germany)

11:35 Spatial transcriptomics reveals variation in cellular neighbourhoods and transcriptional programmes in healthy and diseased lung tissue
Alexandra Firsova (Stockholm, Sweden)

11:50 A unique IgA-producing plasma cell niche in submucosal glands revealed by spatially informed single-cell transcriptomic analyses
Amanda Oliver (Cambridge, United Kingdom)

12:05 Multimodal analysis of subtissular niches and cell circuits in chronic lung disease
Herbert Schiller (Munich, Germany)

12:20 DIscussion and Q&A

8N

Session

11:15 - 12:30

Oral presentation: Clinical and translational studies of asthma and COPD: novel mechanisms

Disease(s) : Airway diseases

Method(s) : Cell and molecular biology General respiratory patient care Physiology

Chairs : Lena Uller (Lund, Sweden), Francisco Javier Salgado Castro (Santiago De Compostela, Spain)

Calcaratarin D reduces airway inflammation and oxidative damage by modulating alveolar macrophages via Michael acceptor system
Wupeng Liao (Singapore, Singapore), Yu Ci Hazel Foo, Thi Ngoc Quy Tran, Wai-Shiu Fred Wong

Effect of tezepelumab on seasonal exacerbations in patients with severe, uncontrolled asthma grouped by blood eosinophil count
Andrew Menzies-Gow (London, United Kingdom), Jonathan Corren, Christopher S Ambrose, Gene Colice, Stephanie L Roseti, Åsa Hellqvist, Kamil Kmita, Andrew W Lindsley, Bill Cook

Extracellular HSP60 induces airway wall remodeling via Toll-Like-Receptors in mice
Lei Fang (Basel, Switzerland), Junling Li, Liang Zhou, Noria Segueni, Bernhard Ryffel, Michael Tamm, Michael Roth

Identification of steroid-response pathways related to FeNO levels in asthma bronchial epithelium
Mandy Menzel (Lund, Sweden), Morten Hvidtfeldt, Ditte Klein, Juan Jose Nieto-Fontarigo, Asger Sverrild, Lena Uller, Celeste Porsbjerg

Tozorakimab: a dual-pharmacology anti-IL-33 antibody that inhibits IL-33 signalling via ST2 and RAGE/EGFR to reduce inflammation and epithelial dysfunction
Ian C. Scott (Cambridge, United Kingdom), Elizabeth England, D. Gareth Rees, Teodor Erngren, Catherine Chaillan Huntington, Kirsty F. Houslay, Dorothy A. Sims, Claire Hollins, Elizabeth C. Hinchy, Caroline Colley, Dominic J. Corkill, E. Suzanne Cohen

Effects of anti-IL 17 on inflammation in Asthma, COPD and Asthma-COPD models
Francine Maria Almeida (São Paulo (SP), Brazil), Leandro Nascimento Camargo, Nilo Martins, Juliana Dias Lourenço, Suellen Karoline Moreira Bezerra, Beatriz Saraiva-Romanholo, Edna Aparecida Leick, Fernanda Degobbi Q.S. Lopes, Carla Máximo Prado, Renato Fraga Righetti, Iolanda Fatima Lopes Calvo Tibério

The impact of anti-IL5 therapies on patients with severe eosinophilic asthma: a proteomic approach

Paolo Cameli (Siena (SI), Italy), Lorenza Vantaggiato, Miriana D'Alessandro, Laura Bergantini, Enxhi Shaba, Alfonso Carleo, Fabrizio Di Giuseppe, Stefania Angelucci, Luca Bini, Elena Bargagli, Claudia Landi

Montelukast reverses 2-adrenoceptor tolerance in airway smooth muscle and shows a synergic effect in vivo
Ida Cerqua (Napoli, Italy), Elisabetta Granato, Marcelo Nicolas Muscarà, Giuseppe Cirino, Beatrice Severino, Rocco Pavese, Antonio Petti, Giuseppe Caliendo, Fiorentina Roviezzo**THE PDE4 INHIBITOR TANIMILAST SHOWS DISTINCT IMMUNOMODULATORY PROPERTIES ASSOCIATED WITH A TYPE 2 ENDOTYPE AND CD141 UPREGULATION**

Fabrizio Facchinetti (Parma (PR), Italy), Hoang Oanh Nguyen, Valentina Salvi, Laura Tiberio, Mirco Govoni, Gino Villetti, Maurizio Civelli, Ilaria Barbazza, Carolina Gaudenzi, Mauro Passari, Tiziana Schioppa, Francesca Sozio, Annalisa Dal Prete, Silvano Sozzani, Daniela Bosisio

Late Breaking Abstract - GPR120 (FFA4) attenuates airway epithelial remodeling in allergic airway inflammation
Aekkacha Moonwiriya (Bangkok, Thailand), Chantapol Yimnual, Rattikarn Noitem, Sasiwimol Dinsuwannakol, Virawudh Soontornniyomkij, Chatchai Muanprasat**Discussion**

8F

Session

11:15 - 12:30

Oral presentation: Lung cancer: from screening to early diagnosis**Disease(s) :** Thoracic oncology Airway diseases**Method(s) :** Imaging Public health Surgery General respiratory patient care Epidemiology Endoscopy and interventional pulmonology**Chairs :** Georgia Hardavella (Athens, Greece)**Implementation of lung cancer screening: an European survey**

Jan van Meerbeeck (Edegem (Antwerp), Belgium), Annemiek Snoeckx

Radiomics to increase the effectiveness of lung cancer screening programs. Radiolung preliminary results.

Antoni Rosell Gratacos (Badalona (Barcelona), Spain), Sonia Baeza, Samuel Garcia-Reina, José Luis Mate, Ignasi Guasch, Isabel Nogueira, Ignasi Garcia-Olivé, Guillermo Torres, Carles Sánchez-Ramos, Debora Gil

Pilot lung cancer screening program results in Serbia during 1-year period

Jelena Djekic Malbasa (Novi Sad, Republic of Serbia), Tomi Kovacevic, Darijo Bokan, Bojan Zaric, Snezana Bojanic, Dragan Dragisic

Radiology quality assurance in the Yorkshire Lung Screening Trial.

Sara Upperton (Leeds, United Kingdom), Claire Bradley, Bobby Bhartia, Philip Crosbie, Michael Darby, Rhian Gabe, Neil Hancock, Martyn Kennedy, Matthew Callister

A novel method exhale breath fingerprinting for lung cancer diagnosis by selected ion monitoring mode

Tuncay Göksel (Izmir, Turkey), Levent Pelit, Tugberk N. Dizdas, Aycan Arın, Su Özgür, Ilknur Erbaş, Ozlem Goksel, Fusun Pelit, Burak Ordin, Haydar S. Karakuş, Arif Gursoy, F.Nil Ertas

Diagnosing non-small cell lung cancer by exhaled-breath profiling using an electronic nose: a multicentre validation study.

Sharina Kort (Enschede, Netherlands), Marjolein Brusse - Keizer, Hugo Schouwink, Emanuel Citgez, Frans De Jongh, John Van Putten, Ben Van Den Borne, Lisanne Kastelijn, Daiana Stolz, Milou Schuurbijs, Michel Van Den Heuvel, Wouter Van Geffen, Job Van Der Palen

Particles in exhaled air – a new diagnostic tool for patients with lung adenocarcinoma

Jesper Andreasson (, Sweden), Embla Bodén, Gabriel Hirdman, Camilla Von Wachter, Oskar Hallgren, Mohammed Fakhro, Franziska Olm, Sandra Lindstedt

Late Breaking Abstract - Incidence of lung cancer in Chronic Obstructive Pulmonary Disease (COPD) patients: Prognostic factors and survival analysis

Parichat Niyomthong (Phrae, Thailand)

Late Breaking Abstract - Safety and feasibility of a novel externally cooled bronchoscopic radiofrequency ablation catheter for ablation of peripheral lung tumours: a first-in-human dose escalation study

Daniel Steinfert (Clifton Hill (VIC), Australia), Phillip Antippa, Kanishka Rangamuwa, Louis Irving, Michael Christie, Ewan Chan, Don Tanaka, Ken Yoneda, Felix Herth, Shashank Raina, Jemma Christie

Discussion

8L

Session

11:15 - 12:30

Oral presentation: Novelties in pulmonary hypertension management**Disease(s) :** Pulmonary vascular diseases Interstitial lung diseases**Method(s) :** Epidemiology General respiratory patient care Public health Pulmonary rehabilitation Physiology Cell and molecular biology Pulmonary function testing**Chairs :** Sheila Ramjug (Altrincham, United Kingdom), Chair to be confirmed**Impact of pulmonary arterial hypertension on employment, work productivity and quality of life - results of a cross-sectional multi-center study**

Jan Fuge (Hannover, Germany), Da-Hee Park, Thomas Von Lengerke, Manuel Richter, Henning Gall, Hossein A. Ghofrani, Jan C. Kamp, Marius M. Hoeper, Karen M. Olsson

A combined measure of pulmonary vascular resistance and compliance variations in Pulmonary Hypertension (PH)

Edoardo Airò (Pisa (PI), Italy), Carolina Bauleo, Renato Prediletto, Bruno Formichi, Ivana Pavlickova, Mauro Raciti, Simonetta Monti

Effect of sotatercept on multicomponent improvement in the PULSAR study

Marius M. Hoeper (Hannover, Germany), Hossein-Ardeschir Ghofrani, J. Simon Gibbs, Mardi Gomborg-Maitland, Marc Humbert, Vallerie McLaughlin, Ioana Preston, Rogerio Souza, Aaron Waxman, Janethe Pena, Solaiappan Manimaran, Marcie Fowler, David Badesch

Characteristics and management of chronic thromboembolic pulmonary disease patients without pulmonary hypertension in an expert centre

Benoît Lechartier (Lausanne, Switzerland), Mitja Jevnikar, Elie Fadel, Philippe Brenot, Antoine Beurnier, David Montani, Laurent Savale, Olivier Sitbon, Marc Humbert, Xavier Jais

Metabolic modulation of the right ventricle and pulmonary circulation in pulmonary arterial hypertension: an interventional study using a Glucagon-like-peptide-1 (GLP-1) agonist

Chinthaka Samaranyake (London, United Kingdom), Aleksander Kempny, Laura C Price, Joy Pinguel, Eleanor Morris, Eva Moriarty, Mahitha Gummadi, Konstantinos Dimopoulos, S John Wort, Lan Zhao, Colm McCabe

Baseline characteristics of patients included into the ERS Clinical Research Collaboration: "Pulmonary Hemodynamics during Exercise - Research Network" (PEX-NET) registry

Gabor Kovacs (Graz, Austria), Marc Humbert, Philippe Herve, Alexander Avian, Nazzareno Galie, Gregory Lewis, Rogerio Souza, Silvia Ulrich, Anton Vonk Noordegraaf, Mads Andersen, Joan Albert Barbera, Isabel Blanco, Robin Condliffe, Michele D'Alto, Benjamin Egenlauf, Ralf Ewert, Ekkehard Gruenig, Alexander Heine, Simon Herkenrath, Steven Hsu, Krzysztof Kasperowicz, Susanna Mak, Bradley Maron, Colm McCabe, Rudolf Oliveira, Stephan Rosenkranz, Laurent Savale, Stephanie Saxer, David Systrom, Ryan Tedford, Adam Torbicki, Horst Olschewski

New diagnostic criteria and PVR thresholds in SSc-associated PH: Insights from the ASPIRE registry

Robin Condliffe (Sheffield (South Yorkshire), United Kingdom), Ashrafal Haque, Athanasios Charalampopoulos, Krit Dwivedi, Charlie Elliot, Abdul Hameed, Neil Hamilton, Rob Lewis, Sheila Ramjug, Alex Rothman, Roger Thompson, Andy Swift, David Kiely

The preponderance of genetic involvement in paediatric pulmonary hypertension

Julien GRYNBLAT (Paris, France), Sophie Malekzadeh Milani, Mathilde Meot, Isabelle Szezepanski, Marilyne Levy, Damien Bonnet

Inhaled treprostinil in patients with pulmonary hypertension due to interstitial lung disease: event-free survival in INCREASE study open-label extension

Steven D Nathan (Falls Church, United States), Rahul Argula, Sudarshan Rajagopal, Shilpa Johri, David De La Zerda, Dana Mcglothlin, Peter Smith, Cq Deng, Melissa Miceli, Victor Tapson, Aaron Waxman

Late Breaking Abstract - Risk stratification in pulmonary veno-occlusive disease

Athénaïs Boucly (Le Kremlin Bicêtre, France), Laurent Savale, Xavier Jais, Antoine Beurnier, Mitja Jevnikar, Marc Humbert, Olivier Sitbon, David Montani

Discussion

8M

Session

11:15 - 12:30

Oral presentation: Obstructive sleep apnea consequences and management**Disease(s) :** Sleep and breathing disorders Pulmonary vascular diseases Thoracic oncology**Method(s) :** Epidemiology Imaging Physiology**Chairs :** Silke Ryan (Dublin, Ireland), Raphael Heinzer (Lausanne, Switzerland)

Long-term effect of OSA and CPAP on blood pressure in patients with acute coronary syndrome: A post-hoc analysis of the ISAACC study.

Manuel Sanchez De La Torre (Lleida, Spain), Andrea Zapater, Gerard Torres, Esther Gracia-Lavedan, Ivan David Benitez, Alicia Sánchez-De-La-Torre, Jordi De Batlle, Adriano Targa, Olga Minguez, Lydia Pascual, Anunciación Cortijo, Dolores Martinez, Mireia Dalmases, Ferran Barbé

Percentage of sleep time with increase in respiratory effort is a strong predictor of prevalent hypertension in obstructive sleep apnea patients

NHAT-NAM LE-DONG (Sorinnes, Belgium), Jean-Benoit Martinot, Renaud Tamisier, Jean-Louis Pépin

Pulse wave amplitude drops (PWAD) index: a biomarker of cardiovascular risk in patients with obstructive sleep apnea in three cohorts.

Raphael Heinzer (Lausanne, Switzerland), Geoffroy Solelhac, Manuel Sánchez-De-La-Torre, Margaux Blanchard, Mathieu Berger, Nicola Andra Marchi, Camila Hirotsu, Giulio Bernardi, Monica Betta, Peter Vollenweider, Julien Vaucher, Andrea Zapater, Esther Gracia-Lavedan, Pedro Marques-Vidal, Ferran Barbé, Frédéric Gagnadoux

The effect of CPAP therapy on aortic inflammation in obstructive sleep apnoea: data from a proof-of-concept PET-CT study

Cliona O'Donnell (Dublin 4, Ireland), Shane Crilly, Anne O'Mahony, Jonathan Dodd, Donal O'Shea, David Murphy, Silke Ryan

Impact of sulthiame on endotypic traits in OSA - a RCT

Jan A. Hedner (Göteborg, Sweden), Erik Hoff, Christian Strassberger, Kaj Stenlöf, Ding Zou, Ludger Grote

Obstructive sleep apnea and cognitive decline in the elderly population: the HypnoLaus study

Raphael Heinzer (Lausanne, Switzerland), Nicola Marchi, Geoffroy Solelhac, Mathieu Berger, José Haba-Rubio, Bogdan Draganski

Sleep apnea and incident unprovoked venous thromboembolism: Data from the French Pays de la Loire Sleep Cohort

Wojciech Trzepizur (Angers, France), Chloé Gervès-Pinquier, Baptiste Heude, Margaux Blanchard, Nicole Meslier, Marie Jouvenot, Sandrine Kerbat, Raphael Le Mao, Eline Magois, Jean-Louis Racineux, Abdelkebir Sabil, Jérémie Thereaux, Francis Couturaud, Frédéric Gagnadoux

Sleep characteristics and cardio-metabolic comorbidities in the OSA-COPD overlap syndrome: Data from the European Sleep Apnea Database (ESADA)

Mafalda van Zeller (Porto, Portugal), Ozen K. Basoglu, Johan Verbraecken, Carolina Lombardi, Walter T. Menicholas, Jean Louis Pepin, Paschalis Steiropoulos, Pawel Sliwinski, Daniela Correia, Maria R. Bonsignore, Sophia E. Schiza, Jan Hedner, Ludger Grote, Marta Drummond

Cancer prevalence is increased in obstructive sleep apnea – the population-based DISCOVERY study

Andreas Palm (Uppsala, Sweden), Jenny Theorell-Haglöw, Johan Isaksson, Mirjam Ljunggren, Josefin Sundh, Magnus Ekström, Ludger Grote

Late Breaking Abstract - Predictors of BP reduction in patients with OSA treated with CPAP therapy – an individual patient data meta-analysis

Martino Pengo (Milano (MI), Italy), Esther I Schwarz, Ferran Barbe, Peter Cistulli, Cristiano Fava, Flavio D Fuchs, Kelly Loffler, Macy Lui, Miguel Angel Martinez-Garcia, Craig L Phillips, Tim Quinzel, Joerg Steier, John Stradling, Antonella Zambon, Gianfranco Parati

Discussion**8A (live-streamed)****Session****11:15 - 12:45****Clinical cases: Lungs on fire: Interstitial lung diseases?**

Aims : To facilitate the presentation of real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

Disease(s) : [Interstitial lung diseases](#)

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Respiratory critical care physician, General practitioner, Physician in Pulmonary Training, Nurse, Radiologist, Pathologist, Thoracic oncologist, Medical Student

Chairs : Katerina Antoniou (Heraklion, Greece), Sergio Harari (Milano (MI), Italy), Michael Kreuter (Heidelberg, Germany)

Discussants : Maria Molina Molina (Barcelona, Spain), Paolo Spagnolo (Padova (PD), Italy)

11:15 Case 1 incl. panel discussion and Q&A - Author: D. M. Spitaleri (Italy)
Maria Molina Molina (Barcelona, Spain)

11:37 Case 2 incl. panel discussion and Q&A - Author K. Kumar (India)
Paolo Spagnolo (Padova (PD), Italy)

11:59 Case 3 incl. panel discussion and Q&A - Author: M. J. Fröhlich (Germany)
Maria Molina Molina (Barcelona, Spain)

12:21 Case 4 incl. panel discussion and Q&A - Author: I. Dimiene (Lithuania)
Paolo Spagnolo (Padova (PD), Italy)

8H (live-streamed) Session 11:15 - 12:45

Respiratory medicine meets other disciplines: Fight to antimicrobial resistance: the role of new diagnostics

A European perspective from the Value-Dx consortium

Aims : to present the appropriate use and development of diagnostic tools for respiratory infections, which are one of most valuable tools to reduce the occurrence of antimicrobial resistances; to review major advances in diagnostic tests for lower respiratory tract infections (LRTI) and the expected impact on epidemiology and health economics and clinical perspective.

Disease(s) : Paediatric respiratory diseases Respiratory critical care Respiratory infections

Method(s) : General respiratory patient care Public health Respiratory intensive care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Scientist (basic, translational)

Chairs : Eva Polverino (Barcelona, Spain), Giovanni Sotgiu (Sassari, Italy)

11:15 Accuracy of rapid diagnostics for community-acquired pneumonia in the emerging room
Maurizio Sanguinetti (Rome, Italy)

11:30 Changing the epidemiology of microbial etiology of CAARTI
surbhi malhotra-kumar (wilrijk, Belgium)

11:45 Optimal management of CAARTI from a health economic perspective
Maarten Postma (Groningen, Netherlands)

12:00 How rapid diagnostic tests can improve antibiotic stewardship
Bojana Beović (Ljubljana, Slovenia)

12:15 Discussion and Q&A

8C (live-streamed) Session 11:15 - 12:45

Journal session: Acute respiratory distress syndrome: the path to precision medicine

A joint ERS/Lancet session

Aims : To present the most recent papers commissioned by The Lancet and The Lancet Respiratory Medicine, to provide insights into the pathophysiology and phenotypes of acute respiratory distress syndrome (ARDS), to review current approaches for diagnosis and management of paediatric and adult patients, to consider therapeutic options in development for this heterogeneous syndrome, to discuss the needs of patients with long-term sequelae of ARDS and to set out future directions for research and clinical practice. This forward-looking session will provide new insights into mechanisms and management for both nonspecialists and specialists, with a focus on the goal of precision medicine.

Disease(s) : Paediatric respiratory diseases Respiratory critical care

Method(s) : Cell and molecular biology Physiology Respiratory intensive care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Respiratory critical care physician, Paediatrician, Physician in Pulmonary Training, Scientist (basic, translational)

Chairs : Leo Heunks (Amsterdam, Netherlands), Rebecca Craven (London, United Kingdom), Miriam Barrecheguren Fernandez (Barcelona, Spain)

11:15 Causes, pathophysiology, and phenotypes of acute respiratory distress syndrome
Lorraine Ware (Nashville, United States)

11:30 Acute respiratory distress syndrome in adults: diagnosis, management, outcomes and long-term sequelae
Danny Mcauley (Belfast (Belfast), United Kingdom)

11:45 Paediatric acute respiratory distress syndrome: developing management strategies to improve outcomes
Martin Kneyber (Groningen, Netherlands)

12:00 Opportunities for improved clinical trial designs in acute respiratory distress syndrome
Michael A. Matthay (San Francisco, United States)

12:15 Discussion and Q&A

8F

Session

12:45 - 14:00

Oral presentation: COVID-19 acute respiratory distress syndrome and beyond

Disease(s) : Respiratory critical care Airway diseases Interstitial lung diseases

Method(s) : Respiratory intensive care Epidemiology Physiology Transplantation Public health Imaging Pulmonary function testing

Chairs : Leo Heunks (Amsterdam, Netherlands), Maxime Patout (Paris, France)

A Novel Anti-Thrombotic, Glenzocimab, in Covid-19 acute respiratory distress syndrome (Cov-ARDS).

Julien Pottecher (Strasbourg, France), Victor A. H. Sato, Yannick Plétan, Andrea Comenducci, Violaine Desort-Henin, Martine Jandrot-Perrus, Sophie Binay, Adeline Meilhoc, Gilles Avenard

Higher versus lower dose corticosteroids for moderate to severe COVID-19: a systematic review, dose response and network meta-analysis.

Tyler Pitre (Kitchener, Canada), Jasmine Mah, Wryan Helmeczi, Johnny Su, Sharef Danhoe, William Plaxton, Stephen Giilck, Dena Zeraatkar

Impact of Dexamethasone on pathogen profile of COVID-19 patients requiring intensive care: a multicentre retrospective study

Cathrin Kodde (Berlin, Germany), Finja Timmen, Sven Hohenstein, Andreas Bollmann, Marzia Bonsignore, Ralf Kuhlen, Irit Nachtigall, Selcuk Tasci

SUSTAINED ALVEOLAR FIBROPROLIFERATION IN PATIENTS WITH NON-RESOLVING COVID-19 RELATED ARDS DOES NOT LEAD TO PULMONARY FIBROSIS.

Jan Willem Duitman (Lelystad, Netherlands), Esther J. Nossent, Lilian J. Meijboom, Heder De Vries, Leonoor S. Boers, Siebe G. Blok, Anno Saris, Alex R. Schuurman, Tom D.Y. Reijnders, Juan J. Garcia Vallejo, Hetty J. Bontkes, Lieuwe D.J. Bos, Alexander P.J. Vlaar, W. Joost Wiersinga, René Lutter, Tom Van Der Poll, Harm Jan Bogaard, Leo M.A. Heunks

Extracorporeal life support allows lung transplant in anti-MDA5+ rapidly progressive-interstitial lung disease.

Pierre Bay (Creteil, France), Marc Pineton De Chambrun, Antoine Roux, Vincent Bunel, Alain Combes, Dominique Israël Biet, Benjamin Zuber, Hilario Nunes, Yves Allenbach, Yurdagul Uzunhan

Recirculation in venovenous extracorporeal membrane oxygenation

Christoph Fisser (Regensburg, Germany), Oscar Palmer, Marko Sallialmi, Michael Paulus, Maik Foltan, Alois Philipp, Maximilian Malfertheiner, Matthias Lubnow, Thomas Müller, Lars Broman

Early prediction of mortality of septic patients visiting emergency room using machine learning

Jeongwon Heo (Chuncheon-si, Republic of Korea), Yeonjeong Heo, Da Hye Moon, So Hyeon Bak, Woo Jin Kim, Seon-Sook Han, Se-Heon Choi, Do-Won Kim, Yoon Kim, Hyun-Soo Choi

Prognostic value of serum chemerin in critically ill patients with sepsis: a prospective study

Irene Karampela (Athens, Greece), Gerasimos-Socrates Christodoulatos, Natalia Vallianou, Dimitrios Tsilingiris, Evangelia Chrysanthopoulou, George Skyllas, Georgios Antonakos, Ioanna Marinou, Evaggelos Vogiatzakis, Apostolos Armaganidis, Maria Dalamaga

Effect of phosphodiesterase inhibitors on lung function, oxidative damage and inflammation in a rabbit model of acute respiratory distress syndrome

Petra Kosutova (Martin, Slovakia), Pavol Mikolka, Daniela Mokra, Andrea Čalkovska

Late Breaking Abstract - Effect of N-acetyl cysteine in a patient cohort with severe or very severe COVID-19 pneumonia

Carolina Maria Gotera Rivera (Madrid, Spain), Carlos López Chang, Laura De La Dueña, Lucia Llanos Jiménez, Rocio Cortés, Olga Sánchez Pernaute, Cesar Pérez Calvo, Ana Ioan, Juan Pérez, Arnoldo Santos Oviedo, Sarah Heili Frades, Alba Naya Prieto, Itziar Fernández Ormaechea, M. Del Pilar Carballosa De Miguel, María Jesús Rodríguez Nieto, Germán Peces Barba

Discussion

8N

Session

12:45 - 14:00

Oral presentation: Latest news from paediatric population-based and clinical cohort studies**Disease(s) :** Airway diseases**Method(s) :** Epidemiology Public health Pulmonary function testing**Chairs :** Myrofora Goutaki (Bern, Switzerland), Maribel Casas (Barcelona, Spain)**Socioeconomic position, respiratory syncytial virus (RSV) and childhood asthma: what if we could prevent severe infant bronchiolitis?**

Kate Lewis (London, United Kingdom), Bianca De Stavola, Steve Cunningham, Pia Hardelid

Association of Early Life Factors with Prematurity-Associated Lung Disease : Prospective Cohort Study

Sarah Kotecha (Cardiff (South Glamorgan), United Kingdom), Kylie Hart, Michael Cousins, W John Watkins, A John Henderson, Sailesh Kotecha

Maternal pesticides exposure in pregnancy and wheezing in early childhood

Franca Rusconi (Pisa, Italy), Giovenale Moirano , Maja Popovic, Milena Maule, Antonio D'Errico , Lorenzo Richiardi, Silvia Maritano

Maternal diet during pregnancy with allergic and respiratory profiles in children

Rosalie Delvert (Paris, France), Marie-Aline Charles, Oriane Dumas, Bénédicte Leynaert, Rachel Nadif, Sabine Plancoulaine, Chantal Raheison, Mohammed Sedki, Raphaëlle Varraso, Blandine De Lauzon-Guillain, Annabelle Bédard

Trends in the incidence of asthma in children and adolescents in Catalonia, 2010-2021: a large population-based cohort study

Alicia Abellan (Barcelona, Spain), Berta Raventós, Edward Burn, Andrea Pistillo, Talita Duarte-Salles

Respiratory impedance reference values in children and adolescents: the Austrian LEAD Study.

Christoph Valach (Vienna, Austria), Emiel F. M. Wouters, Alina Ofenheimer, Patricia Puchhammer, Pasquale P. Pompilio, Alessandro Gobbi, Marie K. Breyer, Sylvia Hartl, Otto C. Burghuber, Robab Breyer-Kohansal

Lung function and cognitive ability in children: a UK birth cohort study

Jack Grenville (Bristol, United Kingdom), Raquel Granell, James Dodd

Otologic features in patients with Primary Ciliary Dyskinesia- an EPIC-PCD study

Myrofora Goutaki (Bern, Switzerland), Yin Ting Lam , Mihaela Alexandru, Andreas Anagiotos, Miguel Armengot, Mieke Boon, Andrea Burgess, Nathalie Caversaccio, Suzanne Crowley, Sinan Ahmed D Dheyauldeen, Nagehan Emiralioglu, Ela Erdem, Onder Gunaydin, Eric G Haarman, Amanda Harris, Hasnaa Ismail-Koch, Celine Kempeneers, Bulent Karadag, Sookyung Kim, Philipp Latzin, Natalie Lorent, Ugur Ozcelik, Anne-Lise Ml Poirrier, Isolde Rangnau, Ana Reula, Jobst Roehmel, Christine Van Gogh, Panayiotis Yiallourous, Jean-François Papon

Comparison of longitudinal outcomes in children with primary ciliary dyskinesia and cystic fibrosis

Margaret Rosenfeld (Seattle, United States), Breanna Kinghorn, Frankline Onchiri, Erin Sullivan, Stephanie Davis, Margaret Leigh

Late Breaking Abstract - Predictors associated with critical care need and in-hospital mortality among children with laboratory-confirmed Covid-19 infection in a high HIV burden region

Liliane Byamungu (Durban, South Africa), Jean Nachega, Ashendri Pillay, Prakash Jeena, Lindsay Zurba, Refiloe Masekela

Discussion

8L

Session

12:45 - 14:00

Oral presentation: Best abstracts in COVID-19**Disease(s) :** Airway diseases**Method(s) :** Respiratory intensive care Physiology Pulmonary rehabilitation Cell and molecular biology General respiratory patient care Pulmonary function testing**Chairs :** Pradeesh Sivapalan (Gentofte, Denmark), Georgios Kaltsakas (Athens, Greece)**THE COURSE OF COVID-19 IN PATIENTS WITH ASTHMA DEPENDS ON GLN27GLU ADR 2 GENE POLYMORPHISM**

Anna Bondarkova (Sumy, Ukraine), Vladyslava Kachkovska, Anna Kovchun, Lyudmyla Prystupa

Small airways disease post COVID-19: 1 year follow up

Bavithra Vijayakumar (thame (Oxfordshire), United Kingdom), Andrew Ritchie, James Tonkin, Christopher M Orton, Jadwiga Wedzicha, Pallav L Shah

Long-term home oxygen therapy as a strategy to reduce hospitalization time in patients affected by COVID-19 with persistent hypoxemia

Robson Prudente (Botucatu (SP), Brazil), Douglas Silva, Estefânia Franco, Vitória Marcondes, Kely Oliveira, Luiz Machado, Luís Brizola, Maércio Santos, Edris Savadkouhi, Camila Colombo, Amanda Peralta, Suzana Tanni

Similar pulmonary functional outcomes at 3 months in critical COVID-19 survivors of the first, second and third pandemic waves

Marie Bruyneel (Brussels, Belgium), Cecile Dusart, David De Bels, Alain Roman, Marc Claus, Nathalie De Vos, Stephane Alard, Stephanie Andre

Network analysis uncovers relationship between immune profiles and severity of COVID-19

Milan Sova (Olomouc, Czech Republic), Eva Kriegova, Samuel Genzor, Milos Kudelka, Jan Mizera, Petr Jakubec

Inflammation profiling and recovery clusters five months post-hospitalisation for COVID-19

Omer Elneima (Leicester, United Kingdom), Matthew Richardson, Olivia C Leavy, Hamish J C Mcauley, Ruth M Saunders, James D Chalmers, Ling-Pei Ho, Alex Horsley, Michael Marks, Betty Raman, Rachael A Evans, Christopher E Brightling, Louise V Wain

Therapeutic strategies in hospitalised patients with SarsCov-2 hypoxic pneumonia

Pedro Cunha (Guimarães, Portugal), Cecília Castro, Helena Sarmento, Isabel Vila, Mecia Vieira, Ana Sofia Costa, Ana Paula Amorim, Margarida Correia-Neves, Jorge Cotter

Comparison of the 1-minute sit-to-stand test with the 6-minutes walk test for the evaluation of the functional status of post-COVID-19 patients

Maria Marta De Sampaio Nunes Duarte Silva (Estoril, Portugal), Pedro Fiuza, Neuza Reis, Miguel Toscano Rico

Phenotyping dyspnea in patients suffering from post-COVID syndrome

Enrico Buonamico (Bari (BA), Italy), Andrea Portacci, Fabrizio Diaferia, Paola Pierucci, Giuseppe Di Gioia, Cristian Locorotondo, Sara Quaranta, Ilaria Iorillo, Alessandro Capuano, Giovanna Elisiana Carpagano

Late Breaking Abstract - Efficacy of Breathoxdevice inhalation on acute symptoms associated with COVID-19 (BREATH study)

Suzana Erico Tanni (Botucatu (SP), Brazil), Robson Prudente, Marina Okoshi, Felipe Damatto, Fernando Wehrmeister, Leiliane Oliveira, Carlos Breda Neto, Luana Pagan, Mariana Gatto, Leticia Vieira, Liana Coelho, Diane Rezende, Luiz Machado, Gustavo Mota, Marina Gaiato, Felipe Santaella, Elisangela Campos, Lize Hosoume, Estefânia Franco, Ulla Weinreich

Discussion**Studio Session 12:45 - 14:00****Online skills lab: Thoracic ultrasound**

Aims : To demonstrate bronchoscopic techniques for the diagnosis, nodal staging and treatment of lung cancer
 To provide update on novel interventional techniques
 To demonstrate how to perform cryobiopsy in ILD
 To demonstrate how to do rigid thoracoscopy and pleuro desis for suspected pleural malignancy.
 To demonstrate TUS in various pulmonary diseases including interventions

Chairs : Jouke T. Annema (Amsterdam, Netherlands), Pia Iben Pietersen (Odense NØ, Denmark)

12:45 Introduction**12:50 Transthoracic Ultrasound: Realtime image-guided interventions in pleural disease**

Rahul Bhatnagar (Bristol, United Kingdom)

13:05 Transthoracic Ultrasound: LUS in the diagnosis and management of respiratory failure

Casper Falster (Odense, Denmark)

13:20 Transthoracic Ultrasound: Contrast enhanced ultrasound in lung and pleural disease

Eihab Bedawi (Oxford (Oxfordshire), United Kingdom)

13:35 Transthoracic Ultrasound: The role of LUS in the diagnosis and management of interstitial lung disease

Jesper Rømhild Davidsen (Odense C, Denmark)

13:50 Q&A**TP-19 Session 13:00 - 14:00****Thematic poster: COVID experience globally**

Disease(s) : Interstitial lung diseases Respiratory critical care Airway diseases Pulmonary vascular diseases Thoracic oncology

Method(s) : Epidemiology Pulmonary function testing General respiratory patient care Public health Pulmonary rehabilitation Imaging Cell and molecular biology Endoscopy and interventional pulmonology Respiratory intensive care

Chairs : Natalie Lorent (Leuven, Belgium), Melissa McDonnell (Oranmore (Co Galway), Ireland)

Seroprevalence of COVID-19 among out patients with chronic respiratory disease in a tertiary care hospital in India
Devasahayam Jesudas Christopher (Vellore (Tamil Nadu), India)

Profile of patients hospitalized during the Omicron wave at Hassan II Agadir hospital
Abdelmajid Oulahbib (agadir, Morocco), Houda Moubachir, Hind Serhane

COVID-19 cardiopulmonary pathology and clinical trajectories: Insights from a community-based autopsy series.
Joaquim Majo (Newcastle Upon Tyne, United Kingdom), Luke Milross, Julian Pulle, Sam Hoggard, Nigel Cooper, Bethany Hunter, Christopher Duncan, Andrew Filby, Andrew Fisher

Recuperación laboral, clínica y funcional a 3 meses del alta en pacientes hospitalizados por neumonía por SARS-CoV2. Relación con la terapia recibida
Cesar Reyes (Vina del Mar, Chile), Tomas Silva, Mónica Gutiérrez, Dominique Boisier, Felipe Martinez, Mario Santamarina, Diego Zuñiga, Marcela Gutierrez, Sebastian Ahumada, Claudia Valenzuela, Ivo Lopez

Outcome of hospitalized covid 19 patients with underlying respiratory illness in second and third wave.
Jayalakshmi T.Kutty (Mumbai (Maharashtra), India), Bhumika Madhav, Dhanaji Revande, Gokul Bathe

Religiosity and mental health consequences of COVID-19 pandemic
Stefan-Marian Frent (Timisoara, Romania), Maria Frent, Alexandru-Filip Popovici

Burnout syndrome among Tunisian medical professionals during the COVID 19 pandemic
Nour Gargouri (Sfax, Tunisia), Rahma Gargouri, Dorra Gharbi, Ahmed Dhia Elleuch, Sabrine El Fidha, Sourour Abid, Walid Feki, Samy Kammoun

B.1.1.529 versus B.1.617.2 variants of severe acute respiratory syndrome corona virus 2: Is there any difference between hospitalization, intensive care unit treatment and mortality rates?
Emine Kamiloğlu (Iefkosa, Cyprus), Birdal Cihangir

Clean air, verandas and human contact in the battle against COVID-19; A timeless approach.
Despoina Zorpidou, Spyridon Mazarakis, Georgia Hardavella, Antigoni Vasilarea, Panagiotis Demertzis, Irma Bracka, Elli Keramida, Maria Salomidou, Theodoros Daskalos

Covid19 infection in patients suffering from chronic respiratory diseases
Abid Sourour (Sfax, Tunisia), Nour Kallel, Rahma Gargouri, Mahdi Walha, Ons Badri, Sarra Sassi, Rym Khemakhem, Sameh Msaad, Nedja Moussa, Samy Kammoun

Characterising SARS-CoV-2 transmission via aerosols and effective sampling methods for surveillance
Hisham Waziri (London, United Kingdom), Gopinath Kalaiarasan, Rebecca Wawman, Faye Hobbs, Gloria Young, Emma Ransome, Ian Adcock, Pankaj Bhavsar, Vincent Savolainen, Alexandra Porter, Prashant Kumar, Kian Fan Chung

Comparison of the impact of ethnicity on clinical outcomes of COVID-19 patients in the United Kingdom across two waves of the pandemic
Jesmith Perumbalath (London, United Kingdom), Jithin Selvaraj, Adam Ainley

Effect of the COVID-19 Pandemic on Bronchoscopy Indication and Bronchial Microbiology
Felix Dubon (Munich, Germany), Julia Walter, Laura Sellmer, Kathrin Kahnert, Pontus Mertsch, Nikolaus Kneidinger, Katrin Milger-Kneidinger, Christian Schneider, Jürgen Behr, Amanda Tufman

Publication pandemic
Oğuz Karcioğlu (Ankara, Turkey), Serdar Ceylan, Olgu Erkin Çınar

COVID-19 and anxiety, the role of the uncertainty
Gorane Iturricastillo Gutierrez, Elena Ávalos Perez-Urria, Celeste Marcos, Claudia Valenzuela, Tamara Alonso Pérez, Rosa María Girón Moreno, Julio Ancochea Bermúdez

Impact of post-COVID-19 lung damage on Respiratory function and HRQOL in Indians
Devasahayam Jesudas Christopher (Vellore (Tamil Nadu), India), Barney Isaac, Flavita John, Deepa Shankar, Balamugesh Thangakunam

COVID-19 Outcome: A One Year Follow-Up Study of Patients who Recovered from COVID-19 at Lung Center of the Philippines
Marc Anthony Donguines (Las Piñas, Philippines), Pocholo Guadalupe, Racquel C. Ibañez Ibañez, Joven Roque Gonong

SARS-CoV-2 infection: a comparative study of waves.

ALEJANDRO REZOLA CARASUSAN (Donostia San Sebastian, Spain), Leyre Leyre Serrano Fernandez, Edurne Echevarria Guerrero, Amaia Urrutia Gajate, Beatriz Gonzalez Quero, Eva Taberbero Huguet, Rafael Zalacain Jorge, Luis Alberto Ruiz Iturriaga

Persistent respiratory failure in severe COVID-19 patients - A tertiary centre experience in Kuala Lumpur, Malaysia.

Leng Cheng Sia (Kuala Lumpur, Malaysia), Chee Kuan Wong, Noreen Zhi Min Ooi, Wai Yee Chan, Yong-Kek Pang, Chong Kin Liam, Chun Ian Soo, Jiunn Liang Tan, Mau Ern Poh, Ka Kiat Chin, Thian Chee Loh, Nur Husna Ibrahim, Vijayan Munusamy

Excess mortality in India during the COVID 19 pandemic.

Subramanian Natarajan (Mumbai (Maharashtra), India), Poonam Subramanian

TP-5 Session 13:00 - 14:00**Thematic poster: COVID 19: intensive care unit treatment**

Disease(s) : Respiratory critical care Interstitial lung diseases Airway diseases

Method(s) : Respiratory intensive care General respiratory patient care Imaging Epidemiology Public health

Chairs : Lise Piquilloud (Lausanne, Switzerland), Ignacio Martin-Loeches (Dublin, Ireland)

Multimorbidity drives responsiveness to rehabilitation in critical illness: A patient level meta-analysis of four randomized trials

Jennifer Jones (South Yarra, Australia), Zudin Puthucheary, Amalia Karahalios, Michael Berry, D. Clark Files, David Griffith, Luke McDonald, Peter Morris, Marc Moss, Amy Nordon-Craft, Timothy Walsh, Sue Berney, Linda Denehy

Delirium screening in critically ill patients: validation of the Korean version of the 4 A's Test

Young Seok Lee (Seoul, Republic of Korea), Jae Jeong Shim, Kyungsoo Chung, Chi Ryang Chung, Jongmin Lee

Outcomes of elderly and very elderly patients admitted to intensive care unit for sepsis

Sharlene Ho (Singapore, Singapore), Niranjana Mahalingam, Geak Poh Tan, Jin Wen Sennen Lew

Early mobilisation of mechanically ventilated patients in the intensive care units: results of a Saudi-wide national survey

Jaber Alqahtani (Dammam, Saudi Arabia), Mohammed Alahmari, Ibrahim Aldraiwiesh, Asma Alamoudi, Nawal Alotaibi, Abdullah Ghazwani, Abdulelah Aldhahir, Saeed Alghamdi, Abdullah Alqahtani, Jithin Sreedharan, Saad Alrabeeah

Comparing the mortality of COPD and non-COPD patients with COVID-19 in a UK hospital

Hanif Ahmad (Harlow, United Kingdom), Neelima Akter, Ruby Varghese, Scott Waring, Shavita Kuckreja, Samir Naik, Ugochukwu Ekeowa, Peter Russell, Muhammad Anwar

The impact of age and gender on mortality from COVID-19 at A UK Hospital

Sooriya Soman (Harlow, United Kingdom), Hanif Ahmad, Kamal Dewan, Ahmed Suliman, Irfan Saleem, Reena Kumari, Peter Russell, Samir Naik, Shavita Kuckreja, Ravi Ragatha, Ugochukwu Ekeowa, Michael Long, Muhammad Anwar

Intermediate respiratory care unit patient flow analysis during the covid-19 pandemic.

Marina Galdeano Lozano (Montcada I Reixach (Barcelona), Spain), Antoni Marin, Leire Mendiluce, Adriana Martin, Irene Aldàs, Agnes Hernandez, Carmen Hernandez, Ignasi Garcia-Olive, Jjorge Abad

Use of awake prone positioning in acute COVID-19

Ireti Adejumo (Nottingham (Nottinghamshire), United Kingdom), Mohammad R. Ali, Milind Sovani, Dominick E. Shaw

The diagnosis of spontaneous secondary tension pneumothorax following apparent recovery from COVID-19 pneumonitis

Romesh Tirimanna (Ashford, United Kingdom), Eleanor Dorman, Michael Okorie, James Myerson

To assess the diagnostic and prognostic ability of CXRs in COVID-19 pneumonitis

Hanif Ahmad (Harlow, United Kingdom), Sooriya Soman, Ruby Varghese, Kamal Dewan, Robert Chapman, Jie Tong, Reena Kumari, Ugochukwu Ekeowa, Ravi Ragatha, Peter Russell, Shavita Kuckreja, Michael Long, Muhammad Anwar

Pneumomediastinum in COVID-19 critically ill patients

Amani Kacem (Sousse, Tunisia), Dhouha Ben Braiek, Hend Zorgati, Imen Mighri, Hanan Brahmi, Rahma Ben Jazia, Imen Kharrat, Jihene Ayachi

Shunt fraction in Covid-19 related Acute Respiratory Failure

Luca Novelli (Bergamo, Italy), Federico Raimondi, Luca Malandrino, Simone Pappacena, Chiara Allegri, Marisa Anelli, Roberta Biza, Roberta Trapasso, Carlo Catani, Francesco Cagliioni, Simone Bonetti, Gianmario Marchesi, Fabiano Di Marco

Efficacy of Ivermectin in patients with COVID-19 pneumonia with severe and critically ill status
Ahmed Elesdoudy (Menouf (el menoufia), Egypt)

Vaccinated COVID-19 patients admitted in a Tunisian ICU: clinical features and outcome.
Amira Jamoussi (ariana, Tunisia), Selim Sellaouti, Malek Kharrat, Samia Ayed, Fatma Jarraya, Emna Rachdi, Mohamed Besbes, Jalila Ben Khelil

CT scan in COVID-19 patients in ICU: Two evaluative methods
Amira Jamoussi (ariana, Tunisia), Sarra Zarrouk, Samia Ayed, Emna Rachdi, Fatma Jarraya, Mohamed Besbes, Jalila Ben Khelil

Can initial Chest CT scan findings predict high flow nasal cannula (HFNC) failure in critically ill COVID19 patients
Amani Kacem (Sousse, Tunisia), Hend Zorgati, Dhouha Ben Braiek, Imen Mighri, Safa Ben Mansour, Oussama Saadaoui, Rania Hidri, Arsalen Douzi, Chaima Kaabi, Asma Azaza, Oumaima Ghabi, Rahma Ben Jazia, Imen Kharrat, Jihene Ayachi

Chest CT scan lesions as predictors of poor prognosis in critically ill COVID-19 patients
Amani Kacem (Sousse, Tunisia), Hend Zorgati, Dhouha Ben Braiek, Imen Mighri, Oussama Saadaoui, Rania Hidri, Safa Ben Mansour, Chaima Kaabi, Arsalen Douzi, Oumaima Ghabi, Asma Azaza, Rahma Ben Jazia, Imen Kharrat, Jihene Ayachi

Lung ultrasound for detection of pneumonic changes in patients with COVID-19 infection
Ahmed Kabil (Cairo, Egypt), Moaz Atia, Ahmed Eldeeb, Mohamed Shahin

Predictive factors of mechanical ventilation among critically ill adults with COVID-19
arbia chaieb (Tunis, Tunisia), Bedis Jribi, Leith Omrane, Mariem Mjid, Rihab Jebali, Abir Hedhli, Yassine Ouahchi, Sana Cheikhrouhou, Sonia Toujeni, Samira Merai, Adel Ammous, Bessma Dhahri

TP-22

Session

13:00 - 14:00

Thematic poster: Lung cancer patient pathways

Disease(s) : Thoracic oncology Interstitial lung diseases Airway diseases

Method(s) : General respiratory patient care Imaging Endoscopy and interventional pulmonology Cell and molecular biology Palliative care Physiology Public health Epidemiology

Chairs : Katherina Bernadette Sreter (Zagreb, Croatia), Richard Lee (Beaconsfield, Buckinghamshire, United Kingdom)

Impact of Covid-19 pandemic on care pathways of lung cancer in Longjumeau hospital
Alain BAKEBE (Longjumeau, France), Julien Petel, Manal Manal, Gerard Oliviero, Laurent Decoux

Lung cancer associated to idiopathic pulmonary fibrosis: predictor ranking and mining.
Giulia Maria Stella (Pavia (PV), Italy), Sara Lettieri, Manuela Coretti, Francesca Mariani, Chandra Bortolotto, Francesco Agustoni, Andrea Lancia, Pietro Rinaldi, Cristiano Primiceri, Davide Piloni, Laura Saracino

Prognostic factors in locally advanced non-small cell lung cancer
Yasmine Hadidene (Ariana, Tunisia), Hela Kamoun, Hathemi Rejeb, Dora Greb, Ines Akrou, Leila Fkih, Hanen Smadhi, Mohamed Lamine Megdiche

The association of anxiety and depression with mortality in lung cancer
Yossr Aloulou (Manouba, Tunisia), Hadhemi Rejeb, Hela Kammoun, Dorra Greb, Ines Akrou, Hejer Ben Abdelghaffar, Hela Hassen, Leila Fekih, Hanen Smadhi, Mohamed Lamine Megdich

Impact of cancer cachexia on the course of chemotherapy in patients with advanced lung cancer.
Imen Bachouch (Ariana, Tunisia), Nourelhouda Khézami, Khawla Bouguerra, Hana Mrassi, Asma Zargouni, Nidhall Belloumi, Chaima Habouria, Fatma Chermiti, Soraya Fenniche

Survival and prognostic factors in NSCLC patients with malignant pleural effusion
Asma Navasakulpong (Hatyai (Songkhla), Thailand), Puchalee Kaenmuang

Immunotherapy in metastatic non-small cell lung cancer: EPSILoN as a prognostic score
Maria Carolina Alves Valente (Santo Tirso, Portugal), Mariana Serino, Cláudia Freitas, Mariana Martins, Pedro Ferreira, Catarina Cardoso, Catarina Sousa, Vanessa Santos, David Araújo, Hélder Novais-Bastos, Adriana Magalhães, Henrique Queiroga, Gabriela Fernandes, Venceslau Hespagnol

Oncological emergencies in lung cancer patients during 2019 and SARS-CoV-2 pandemic year
Marta Carvalho Silva (Braga, Portugal), Joana Naia, Daniela Rodrigues, Diana Pimenta, Sara Campos Silva, Joana Pereira, Eva Padrão, Lurdes Ferreira

Pericardial effusion and lung cancer: experience from a UK North East District General hospital
Hussun-Ara Shah (Newcastle upon Tyne, United Kingdom), Tufayl Hannan, Karl Jackson, Philip Jones, Avinash Aujayeb

Complications of lung cancer in the clinical course of interstitial lung disease

Yoichiro Noguchi (Seto, Japan), Reoto Takei, Shunsaku Hayai, Hajime Oi, Yasuhiko Yamano, Toshiki Yokoyama, Toshiaki Matsuda, Kensuke Kataoka, Tomoki Kimura, Yasuhiro Kondoh

A new tissue-mimicking surrogate for pulmonary lesions using for RFA

Louisa Bühler (Stuttgart, Germany), Sarina Schulze, Markus Polke, Nicolas Kahn, Marc A. Schneider, Claus Peter Heussel, Felix J. Herth, Markus D. Enderle, Walter Linzenbold

Brown adipose tissue activity predicts cachexia and survival in patients with lung cancer.

Lukas Hofmann (Leipzig, Germany), Jonas Meyer, Johanna Pappisch, Teresa Kerkhoff, Nicolas Linder, Harald Busse, Swen Hesse, Karen Geva Steinhoff, Thomas Ebert, Anke Tönjes, Sebastian Krämer, Johannes Broschewitz, Albrecht Gläser, Sabine Taubenheim, Hartmut Kuhn, Osama Sabri, Hubert Wirtz, Armin Frille

A single centre analysis of stage of presentation of Lung Cancer pre and post Covid-19 pandemic

Ciara Ottewill (Dublin 4, Ireland), Fiona Mulvany, Finbarr O'Connell, Parthiban Nadarajan

Impact of the covid-19 pandemic on lung cancer referral and treatment

Emma Crawford (Shropshire, United Kingdom), Julia Mcadam, Harmesh Moudgil, Jenny Nixon, Koottalai Srinivasan, Paul Wareing

Recurrence at site of lung cancer biopsy: experience from a UK district general hospital

Avinash Aujayeb (Newcastle, United Kingdom)

Impact of the COVID-19 pandemic on suspected lung cancer referrals and subsequent lung cancer diagnosis at North Bristol NHS Trust

Adriana Ramos Pereira (Bristol (Avon), United Kingdom), Catherine Coombs, Benjamin Masterman, Abiramy Jeyabalan, Martin Plummeridge, Anna Bibby

TP-14

Session

13:00 - 14:00

Thematic poster: Environment and air pollution

Disease(s) : Airway diseases

Method(s) : Public health Cell and molecular biology Epidemiology General respiratory patient care Physiology Imaging Pulmonary function testing

Chairs : Christopher Carlsten (Vancouver (BC), Canada), Chair to be confirmed

Air pollution and disease in a population living in a small city in Brazil

Marilyn Urrutia Pereira (Uruguaiiana (RS), Brazil), Lucas Pitrez Mocellin, Veronica Riquelme Martinez, Paulo Oliveira Lima, Laiza Marques Baida, Herberto Chong-Neto, Dirceu Solé

The immunomodulatory and inflammatory effects of the inhalation of diesel particles in a murine model of healthy mice

David Soler Segovia (Barcelona, Spain), Miquel De Homdedeu, Sílvia Sánchez Díez, Cristian Moreno Mesones, David Espejo Castellanos, Xavier Muñoz Gall, María Jesús Cruz Carmona

An Observational study on Ambient Air Pollution and hospital visits of patients at tertiary care hospital in North Chennai

Vengada Krishnaraj (Chennai, India)

Exposure to air pollution and allergic diseases in adults

Giovanni Viegi (Pisa (PI), Italy), Sara Maio, Federico Pirona, Sofia Tagliaferro, Salvatore Fasola, Alessandro Marcon, Giuseppe Sarno, Claudio Gariazzo, Massimo Stafoggia, Stefania La Grutta, Giuseppe Verlato, Sandra Baldacci

Influence of overweight/obesity, lifestyle and grey space on asthma in Italy

Giovanni Viegi (Pisa (PI), Italy), Sandra Baldacci, Anna Angino, Federico Pirona, Sofia Tagliaferro, Giuseppe Sarno, Sara Maio, Stefani La Grutta, Laura Montalbano, Salvatore Fasola, Velia Malizia, Isabella Annesi-Maesano, . On Behalf Of The Earlyfood Collaborative Group

Asthma control and hot weather-related respiratory symptoms

Maritta S. Jaakkola (Oulu, Finland), Henna Hyrkäs-Palmu, Jouni J.K. Jaakkola

Asthma phenotypes as an effect of childhood upbringing

Regine Abrahamsen (Skien, Norway), Geir Klepaker, Kjell Torén, Paul K. Henneberger, Johny Kongerud, Anne Kristin Møller Fell

Relationship between climatic factors and emergency department visits for respiratory diseases

Jacopo Davide Giamello (Busca, Italy), Remo Melchio, Luca Bertolaccini, Cristian Rendina, Paolo Caraccio, Massimo Rega, Serena Capriotti, Tania Prinzi, Tiziana Ponza, Salvatore Franco, Daniele D'Arrigo, Giuseppe Lauria

Medical record review of acute childhood wheeze presentations, air pollution and deprivation
Emma Wilkinson (Liverpool, United Kingdom), Paul Mcnamara

Air pollution and incidence of adult-onset eosinophilic airway disease
Janneke Pepels (Leeuwarden, Netherlands), Edith Visser, Anneke Ten Brinke, Kim De Jong

Climate change and COPD severity: a pilot study in Taiwan
Hsiao-Chi Chuang (Taipei, Taiwan), Minh Tran Huan, Tzu-Tao Chen, Yueh-Hsun Lu, Kuan-Yuan Chen, Shu-Chuan Ho, Chih-Da Wu, Kang-Yun Lee

Association between residential green space and development of allergic rhinitis up to 12 years of age: a population-based birth cohort study
Inês Paciência (Oulu, Finland), Aino K. Rantala, Harri Antikainen, Timo Hugg, Maritta S. Jaakkola, Jouni J.K. Jaakkola

Association between greenness and development of asthma in the first 12 years of life: a population-based cohort study
Aino-Kaisa Rantala (Oulu, Finland), Inês Paciência, Harri Antikainen, Timo T. Hugg, Maritta S. Jaakkola, Jouni J.K. Jaakkola

Children and air pollution monitoring
Abigail Whitehouse (London, United Kingdom), Lindsay Zurba, James Ngocho, Sindisiwe Dladla, Julieth Sebba, Ronald Mbwas, Gioia Mosler, Bibie Said, Blandina Mmbaga, Refiloe Masekela, Jonathan Grigg

Prenatal exposure to air pollution: a susceptibility factor to develop Chronic Obstructive Pulmonary Disease (COPD)?
Zhuyi Lu (Villejuif, France), Cristina De Franceschi, Mathieu Cazaunau, Antonin Berge, Elie Al Marj, Audrey Der Vartanian, Rachid Souktani, Abdel Aissat, Bruno Costes, Patrice Coll, Sophie Lanone

Impact of air pollution and emphysema on cardiovascular and hemodynamic features
Quentin WYNANDS (Montpellier, France), Olivier Cazorla, Fares Gouzi, Pierre-Edouard Grillet, Arnaud Bourdin

La Palma Volcanic Ash Particles Increase Susceptibility to Pneumococcal Infection In Vitro
Lisa Miyashita (London, United Kingdom), Bevdrely Coldwell, David Wertheim, Richard Giddens, Ian Gill, Nick Petford, Nemesio Pérez, Jonathan Grigg

Associations between ambient air pollution and chronic cough in middle-aged adults.
Sabrina Idrose (Australia, Australia), Jingwen Zhang, Caroline Lodge, Anne Chang, Luke Knibbs, Michael Abramson, E. Haydn Walters, Dinh Bui, Bircan Erbas, Peter Frith, Jennifer Perret, Shyamali Dharmage

Short term exposure to respirable smoke extracts from indoor cooking in Nepal leads to altered human airway epithelial cell (AEC) gene expression, DNA methylation (mC) and hydroxymethylation (hmC)
Poojitha Rajasekar (Nottingham, United Kingdom), Robert Hall, Binaya K C, Parth Sarathi Mahapatra, Siva Praveen Puppala, Dhurma Thakker, Julie Macisaac, David Lin, Michael Kobor, Charlotte E Bolton, Ian Sayers, Ian Hall, Rachel Clifford

Long-term exposure to air pollution and incidence of adult-onset asthma and COPD: systematic review and meta-analyses
Jiawei ZHANG (Copenhagen, Denmark), Shuo Liu, Youn-Hee Lim, George Thurston, Haneen Khreis, Barbara Hoffmann, Susan Anenberg, Bénédicte Jacquemin, Mark J Nieuwenhuijsen, Zorana Jovanovic Andersen

TP-6 Session 13:00 - 14:00

Thematic poster: New mechanistic insights into acute and chronic interstitial lung disorders

Disease(s) : Respiratory critical care Interstitial lung diseases Airway diseases

Method(s) : Cell and molecular biology Physiology Public health Respiratory intensive care

Chairs : Olivier Burgy (Dijon, France), Claire Masterson (Galway (Co Galway), Ireland)

Partial apoptosis of epithelial cells in fibrotic lungs.
Eirini Vasarmidi (Heraklion (Crete), Greece), Alice Guyard, Nicolas Pote, Pierre Mordant, Aurelie Cazes, Bruno Crestani, Arnaud Mailleux

Phenotypic drug screening in a human fibrosis model identified a novel class of antifibrotic therapeutics
Michael Gerckens (München, Germany), Kenji Schorpp, Francesco Pelizza, Melanie Wögrath, Kora Reichau, Huilong Ma, Armando Dworsky, Arunima Sengupta, Mircea Gabriel Stoleriu, Katharina Heinzelmann, Juliane Merl-Pham, Martin Irmeler, Hani N Alsafadi, Eduard Trenkenschuh, Lenka Sarnova, Marketa Jirouskova, Wolfgang Frieß, Stefanie M Hauck, Johannes Beckers, Nikolaus Kneidinger, Jürgen Behr, Anne Hilgendorff, Kamyar Hadian, Michael Lindner, Melanie Königshoff, Oliver Eickelberg, Martin Gregor, Oliver Plettenburg, Ali Önder Yildirim, Gerald Burgstaller

Next generation of gene-editing technologies for respiratory research and medicine

Sara Cuevas Ocaña (Nottingham, United Kingdom), Ana Lilia Serna Valverde, Liam Reed, Nicholas R Hannan

Role of cellular adhesion molecules in the presence of interstitial lung disease in patients with autoimmune diseases

Verónica Pulito-Cueto (Santander, Spain), Sara Remuzgo-Martinez, Fernanda Genre, Belén Atienza-Mateo, Virginia Portilla, Victor M. Mora-Cuesta, David Iturbe-Fernández, Leticia Lera-Gómez, Diana Prieto-Pena, Ricardo Blanco, Alfonso Corrales, Oreste Gualillo, José M. Cifrián, Raquel López-Mejías, Miguel A. González-Gay

Spatial transcriptome analysis at single-cell resolution for understanding IPF pathogenesis

Naoaki Watanabe (Tokyo, Japan), Yu Fujita, Takashi Ishiguro, Nobumasa Takahashi, Yoshihiko Shimizu, Noboru Takayanagi, Yoshinori Kawabata, Jun Araya, Yusuke Yamamoto, Kazuyoshi Kuwano

Computational drug repositioning and wet-lab validation approach identifies polo-like kinase inhibitors as potential therapeutics for pulmonary fibrosis

Takeshi Imakura (Tokushima, Japan), Seidai Sato, Kazuya Koyama, Hirohisa Ogawa, Takahiro Niimura, Kojin Murakami, Yuya Yamashita, Keiko Haji, Nobuhito Naito, Kozo Kagawa, Hiroshi Kawano, Yoshito Zamami, Keisuke Ishizawa, Yasuhiko Nishioka

Identification of different lung immune-phenotypes in Idiopathic pulmonary fibrosis (IPF)

Tamara Cruz (Barcelona, Spain), Nuria Mendoza, Sandra Casas, Fernanda Hernandez, Nuria Albacar, John Sembrant, Mauricio Rojas, Alvar Agusti, Jacobo Sellares, Rosa Faner

Endothelial to mesenchymal transition (EndMT) and arterial remodelling in IPF patients

Mathew Eapen (Hobart (TAS), Australia), Archana Gaikwad, Prem Bhattarai, Surajit Dey, Collin Chia, Josie Larby, Greg Haug, Jade Jaffar, Glen Westall, Gurpreet Singhera, Tillie Hackett, Wenying Lu, Sukhwinder Singh Sohal

Late Breaking Abstract - Single cell RNA sequencing suggests G_βi₂ is associated with ILD in pigeon fanciers

Domenico Somma (Glasgow, United Kingdom), Mark Spears, Louise V Wain, Richard J Allen, Olivia C Leavy, Bibekbrata Gooptu, Stephen J Bourke, Mariola Kurowska-Stolarska, Charles Mcsharry

Endothelin-1 for the differential diagnosis between interstitial lung disease associated with autoimmune diseases and idiopathic pulmonary fibrosis

SARA REMUZGO-MARTÍNEZ (SANTANDER, Spain), Belén Atienza-Mateo, Verónica Pulito-Cueto, Fernanda Genre, Víctor M. Mora-Cuesta, David Iturbe-Fernández, Virginia Portilla, Oreste Gualillo, Alfonso Corrales, Santos Castañeda, Raquel López-Mejías, José M. Cifrián, Miguel A. González-Gay

Involvement of microRNAs in the development of the bleomycin-induced pulmonary fibrosis model

Vanessa Pitozzi (Parma (PR), Italy), Paola Caruso, Maria Gloria Pittelli, Silvia Pontis, Martina Bonatti, Francesca Ruscitti, Maurizio Civelli, Marcello Trevisani

Differentially expressed genes in Diffuse Alveolar Damage (DAD) patterns of COVID-19.

Natália de Souza Xavier Costa (São Paulo, Brazil), Jhonatas Sirino Monteiro, Jonas Erjefält, Jimmie Jönsson, Olga Cozzolino, Katia Dantas, Carl-Magnus Clausson, Premkumar Siddhuraj, Caroline Lindö, Suzete Ferreira Spina Lombardi, Alfredo Mendroni Júnior, Leila Antonangelo, Caroline Silvério Faria, Amaro Nunes Duarte Neto, Renata Almeida Monteiro, João Renato Rebelo Pinho, Michele Soares Gomes-Gouvêa, Roberta Verciano Pereira, Ellen Pierre De Oliveira, Jair Theodoro Filho, Caroline Sanden, Jamie Orengo, Matthew Sleeman, Luiz Fernando Ferraz Da Silva, Paulo Nascimento Saldiva, Marisa Dolhnikoff, Thais Mauad, João Carlos Setubal

Identification of highly immunogenic epitopes in the SARS-CoV-2 Spike protein to produce monoclonal antibodies

Laia Fernandez Barat (Barcelona, Spain), Rubén López-Aladid, Leticia Bueno, Roc Farriol, Eduard Porta, Alex López-Gavin, Ana Motos, Ruth Aguilar, Marta Vidal, Alfons Jiménez, Roberto Cabrera, Nil Vázquez, Enric Barbeta, Miquel Ferrer, Andrea Catalina Palomeque, Gemma Moncunill, Miquel Lozano, Alberto Garcia-Basteiro, Carlota Dobaño, Antoni Torres

Metabolomic spittle analysis of post COVID-19 patients

Luiz Machado (Botucatu, Brazil), Robson Prudente, Estefania Franco, Mariana Gatto, Gustavo Mota, Luana Pagan, Luis Brizola, Maercio Dos Santos, Thulio Cunha, Robinson Sabino-Silva, Luiz Filho, Mario Martins, Paula Santos, Larissa Maia, André Albuquerque, Eloara Machado, Bruno Baldi, Suzana Tanni

Elevated plasma levels of CXCL16 in severe COVID19 patients.

Sandra Smieszek (Washington, United States)

TNFTNFRSF1A, and TNFRSF1B variants affect TNFR1 and TNFR2 levels in patients with severe COVID-19

Ingrid Fricke-Galindo (Mexico City, Mexico), Ivette Buendía-Roldán, Leslie Chávez-Galán, Gloria Pérez-Rubio, Andy Ruiz, Yadira Palacios-Rodríguez, Rafael De Jesus Hernández-Zenteno, Ramcés Falfán-Valencia

Proteomic determinants of disease, mortality and sequelae in COVID-19 patients requiring invasive mechanical ventilation

Marta Molinero García (Lleida, Spain), Silvia Gómez, Ivan D Benítez, Jj Vengoechea, Jessica González, Clara Gort-Paniello, Anna Moncusí-Moix, María C García-Hidalgo, Manel Pérez-Pons, Gerard Torres, Jesús Caballero, Carme Barberà, Adrián Ceccato, Laia Fernández-Barat, Ricard Ferrer, Dario García-Gasulla, Rosario Menéndez, Ana Motos, Óscar Peñuelas, Jordi Riera, Jesús F Bermejo-Martín, Antoni Torres, Ferran Barbé, David De Gonzalo-Calvo

Molecular genetic markers associated with course of severe COVID-19 pneumonia. Different pathways study.

Nataliia Gorovenko (Kyiv, Ukraine), Mykola Ostrovskyy, Zoia Rossokha, Liliya Fishchuk, Nadiia Korzh, Viktoriia Vershyhora, Olga Dubitskaya, Nataliia Medvedieva, Olena Popova

The dysregulation of the monocyte-dendritic cell interplay is associated with in-hospital mortality in COVID-19 pneumonia

Marialuisa Bocchino (Napoli (NA), Italy), Silvia Sale, Carmine Nicastro, Ludovica Capitelli, Carmen Lombardi, Alessandro Sanduzzi Zamparelli, Luigi Atripaldi, Domenico Galati

Development of a Deep Learning Immune Cell Abundance Model Predict 28-Day Survival in Patients with Sepsis

Li Li (Guangzhou City, China), Yang Gu, Xun Liu, Xinchun Li, Na Zhang, Han Li, Weiqiang Qin, Tao Yu

TP-2 Session 13:00 - 14:00**Thematic poster: Pulmonary rehabilitation and COVID-19**

Disease(s) : Respiratory critical care Interstitial lung diseases Airway diseases

Method(s) : Cell and molecular biology Physiology Pulmonary function testing Pulmonary rehabilitation General respiratory patient care Imaging Palliative care Respiratory intensive care Public health

Chairs : Thomas Gille (Bobigny, France), Elena Gimeno Santos (Barcelona, Spain)

Evolution of symptoms and radiological lesions of patients affected by SARS-Cov-2 after acute infection

Nourchene Khalfallah (Rades, Tunisia), Emna Ben Jemia, Nawres Brahmi, Siwar Rejeb, Mariem Nouira, Jihene Ben Amar, Haifa Zaibi, Hichem Aouina

Effects of pulmonary rehabilitation in post-COVID syndrome.

Janos Tamas Varga (Budapest, Hungary), Zsofia Szarvas, Monika Fekete, Vince Fazekas-Pongor, Kinga Pete, Renata Cserjesi, Regina Bakos, Orsolya Gobel, Renata Pinter, Zsuzsanna Kovats, Gabor Horvath, Veronika Muller

Effects Of An Early Rehabilitation Program In COVID-19 Patients Weaned From Non-Invasive Mechanical Ventilation: The Experience Of A Respiratory Subintensive Unit

Elena Sciarrillo (Napoli, Italy), Salvatore Musella, Anna Annunziata, Maria Rosaria Gioia, Giuseppe Fiorentino

Pulmonary Rehabilitation in Post-COVID-19 Patients Improves Lung Function and Mechanics and Skeletal Muscle, and Immune Response

Rodolfo De Paula Vieira (Sao Jose Dos Campos (SP), Brazil), Maysa A. R. Brandao-Rangel, Renilson Moraes-Ferreira, Anamei Silva-Reis, Claudio R. Frison, Luis V. F. De Oliveira, Regiane Albertini

Impact of Covid infection on clinical outcomes of hospitalized and outpatients: a matched case control study

Antoine EL KIK (Beirut, Lebanon), Hind Eid, Albert Riachy, Elio Mekhael, Karim Hoyek, Nabil Nassim, Georges Khayat, Ghassan Sleilaty, Moussa Riachy

The impact of comorbidities on recovery following hospitalisation from COVID-19.

Enya Daynes (Leicester, United Kingdom), Molly M Baldwin, Urvee Karsanji, Hamish Mcauley, William D-C Man, Rachael Evans, Sally J Singh, + On Behalf Of The Phosp Consortium

POST-COVID-19 FUNCTIONAL STATUS EIGHTEEN MONTHS AFTER POST-ACUTE PULMONARY REHABILITATION FOLLOWING DISCHARGE FROM INTENSIVE CARE UNIT

Nicoletta R. Morelli (Den Haag, Netherlands), Peter Klijn, Eline Bij De Vaate

Rehabilitation of work ability in patients acquiring COVID-19 in the workplace: a longitudinal study

Katharina Zwingmann (Chemnitz, Germany), Ivo Berger, Michael Stegbauer, Katrin Müller

Persistent Post-COVID: The first wave, one year after.

Sieshem M. Bindraban (Rotterdam, Netherlands), Emmely W. De Roos, Rick R. Fransman, Esther M.J. Van Noort, Marise J. Kasteleyn, Johannes C.C.M. In 'T Veen

Mapping UK healthcare pathways and rehabilitation provision for adults after a hospital admission with COVID-19.

Linzy Houchen-Wolloff (Oakham (Leicestershire), United Kingdom), Charlotte Overton, Andrew Ibbetson, Archie Walters, Natalie Armstrong, Sally J Singh, Andrew Briggs, Rachael Evans

Effects of early physical therapy in acute severe COVID-19 pneumonia

Jaume Bordas Martinez (Barcelona, Spain), Marta Hernández Argudo, Ana Luzardo-González, Alejandro Arencibia, Franco Tormo, Lluís Matéu, Vanesa Vicens-Zygmunt, Guadalupe Bermudo, Salud Santos, Maria Molina-Molina, Rosa Planas, Guillermo Suarez-Cuartin

Pulmonary rehabilitation outcome in patients recovering from COVID-19 disease

Davorka Mursic (Zagreb, Croatia), Tajana Jalusic Gluncic, Dubravka Pelicavic, Zagorka Boras, Marta Korsic, Andrea Vukic Dugac, Miroslav Samarzija

'Long covid' is more common, underestimated, and 'core' health issue in post covid care setting: study of 6000 cases in tertiary care setting in India.

Shital Vishnu Patil (Latur (Maharashtra), India), Ganesh Narwade, Gajanan Gondhali, Rajesh Patil, Abhijit Acharya, Utreshwar Dhumal

The role of vascular density in pulmonary rehabilitation of PASC patients

Kris Ides (Antwerpen, Belgium), Wendel Dierckx, Yinka De Meyer, Eline Lauwers, Maarten Lanclus, Jan De Backer, Wilfried De Backer

Gender differences in symptoms and psychological burden in Long Covid patients: results of a comprehensive multidimensional assessment protocol

Guido Vaghegini (Volterra (PI), Italy), Francesca Marzetti Moro, Simone Meini, Mario Miniati, Giuseppa Levantno, Mauro Taccola, Roberto Andreini, Arli Veli, Giulio Bardi, Eugenia Panait, Elena Cini, Angelo Gemignani

MULTIDIMENSIONAL ASSESSMENT OF DYSPNEA IN POSTCOVID PATIENTS REFERRED TO PULMONARY REHABILITATION

Miriam Dominguez Blasco (Sevilla, Spain), Cecilia López, María Dolores Dominguez, Antonio Yosvani, Rosa María Vazquez, Inmaculada Ortiz, Jose Antonio Rodriguez, Pilar Cejudo

Inspiratory muscle capacity in Long Covid

Jane Dickson (Dublin 4, Ireland), Eddy Ferrufino Rivera, Abilash Sahadevan, Seamus J. Linnane

Exploring the Impact of Fatigue on Exercise Tolerance in Post-COVID Individuals

Jitten Bahia (Leicester, United Kingdom), Molly Baldwin M, Charlotte Carter-Lang, Emma Chaplin, Nikki Gardiner, Sally Singh J, Enya Daynes

Patient-reported outcome measures 3 and 6 months after pulmonary rehabilitation following COVID-19

Markus Hayden (Bad Reichenhall, Germany), Matthias Limbach, Michael Schuler, Gabriele Schwarzl, Steffen Merkl, Karsten Botosch, Dennis Nowak, Konrad Schultz

Late Breaking Abstract - Nebulization and COVID-19: Is the risk of spread actual?

Christophe Thibon (Bruxelles, Belgium), Laurent Vecellio, Jean Christophe Dubus, Kabamba Benoit, Gregory Reyckler

TP-15

Session

13:00 - 14:00

Thematic poster: Assessment and follow-up of cystic fibrosis lung disease in children

Disease(s) : Airway diseases

Method(s) : Epidemiology Pulmonary function testing Imaging Physiology General respiratory patient care Public health Pulmonary rehabilitation Transplantation

Chairs : Alexander Möller (Zürich, Switzerland), Chair to be confirmed

Estimating the minimum sample size for interventional research using the lung clearance index

Cole Bowerman (Hamilton, Canada), Felix Ratjen, Sanja Stanojevic

Longitudinal LCI in infants with CF using a portable multiple breath washout (LIMBuS study)

Claire Nissenbaum (Manchester, United Kingdom), Daniel Weiner, Laura Healy, Anna Shawcross, Catherine Fullwood, Rebecca Thursfield, Clare S Murray, Alexander Horsley

Respiratory symptom scores to capture acute respiratory events in children with cystic fibrosis

Lucy Perrem (Toronto (ON), Canada), Sanja Stanojevic, Michelle Shaw, Melinda Solomon, Hartmut Grasmann, Neil Sweezey, Valerie Waters, Stephanie Davis, D.B Sanders, Felix Ratjen

Impact of Pseudomonas aeruginosa antibiotic eradication therapy on lung function decline in cystic fibrosis

Isabel Gascon Casaredi (Barcelona, Spain), Michelle Shaw, Valerie Waters, Ryan A. Seeto, Ana C. Blanchard, Felix Ratjen

Automated airway-artery analysis on chest CT confirms positive effect of inhaled hypertonic saline in preschool children with cystic fibrosis

Yuxin Chen (Rotterdam, Netherlands), Qianting Lv, Eleni-Rosalina Andrinopoulou, Leticia Gallardo-Estrella, Jean-Paul Charbonnier, Daan Caudri, Stephanie Davis, Margaret Rosenfeld, Felix Ratjen, Richard Kronmal, Karen Hinckley Stukovsky, Stephen Stick, Harm Tiddens

The clinical effectiveness and validity of home spirometry in children with cystic fibrosis

Philip Lawrence (Liverpool (Merseyside), United Kingdom), Sarah Mayell, Rebecca Thursfield

Lung ultrasound value in cystic fibrosis consolidation and atelectasis detection

Diana Popin (Timisoara, Romania), Ioana Mihaela Ciuca, Mihaela Dediu, Emil Robert Stoicescu, Liviu Laurentiu Pop

Characterization of a signal-correction error in a commercial multiple-breath washout device

Marc-Alexander Oestreich (Bern, Switzerland), Florian Wyler, Blaise Etter, Kathryn Ramsey, Philipp Latzin

Lung clearance index and nutritional status in cystic fibrosis children

Mihaela Dediu (Timisoara, Romania), Diana Popin, Liviu Laurentiu Pop, Ioana Mihaela Ciuca

Comparison of sensor crosstalk-corrected N2 versus SF6 multiple breath washout outcomes

Renee Jensen (Toronto (ON), Canada), Angel Phanthanourak, Michelle Shaw, Roxy Chen, Fatima Adil, Denisa Niththyanandan, Sanja Stanojevic, Felix Ratjen

Feasibility of telehealth spirometry for patients with cystic fibrosis in a regional setting

Elpis Hatziagorou (Thessaloniki, Greece), Athina Sopiadou, Christos Kogias, Maria Gioulvanidou, Elisavet-Anna Chrysochoou, Ioustini Kalaitzopoulou, Pauline Peftoulidou, John Tsanakas

One-Year Follow-Up of Cystic Fibrosis Patients Who Cannot Reach the Modulator Therapies Although Having Indications: What are Their Losses?

Salih Uytun (Ankara, Turkey), Sanem Eryılmaz Polat, Satı Özkan Tabakçı, Güzin Cinel, Nagehan Emiralioğlu, Ebru Yalçın, Nural Kiper, Velat Şen, Derya Ufuk Altıntaş, Haluk Çokuğraş, Ayşe Ayzıt Kılınc, Hakan Yazan, Abdulhamit Çollak, Selçuk Uzuner, Gökçen Ünal, Aslı İmran Yılmaz, Sevinç Çelik, Ebru Damadoğlu, İlim İrmak, Esen Demir, Gökçen Öztürk, Erdem Başaran, Ayşen Bingöl, Nihat Sapan, Ayşe Tana Aslan, Pelin Asfuroğlu, Koray Harmancı, Mehmet Köse, Melih Hangül, Ali Özdemir, Gizem Özcan, Zeynep Gökçe Gayretli, Özlem Keskin, Hasan Yüksel, Şebnem Özdoğan, Erdem Topal, Gönül Çaltepe, Demet Can, Pervin Korkmaz Ekren, Mehmet Kılıç, Ayşe Süleyman, Tuğba Şişmanlar Eyüboğlu, Sevgi Pekcan, Nazan Çobanoğlu, Erkan Çakır, Uğur Özçelik, Deniz Doğru

The effect of breathing exercise on the quality of life of 3-12 years old childrens with cystic fibrosis and their families

Mine Kalyoncu (Istanbul, Turkey), Hakan Mursaloğlu, Zuhale Yerlikaya, Cansu Yılmaz Yeğit, Mürüvvet Yanaz, Aynur Gulieva, Burcu Uzunoğlu, Gamze Taştan, Almala Pınar Ergenekon, Ela Erdem Eralp, Yasemin Gökdemir, Fazilet Karakoç, Bülent Karadağ

Increased diagnostic value of LCI in pulmonary exacerbations in cystic fibrosis paediatric patients using the corrected Exhalyzer software.

Irena Wojsyk-Banaszak (Poznań, Poland), Barbara Więckowska, Zuzanna Stachowiak, Marta Andrzejewska, Aleksandra Szczepankiewicz

Assessing the utility of home spirometry for managing children with cystic fibrosis during COVID-19 pandemic

Binu George Babu (Walsall, United Kingdom), Brinderjeet Heyeer, Ciaran Mcardle, Benjamin Davies, Prasad Nagakumar, Maya Desai

The efficacy of inhaled hypertonic saline in children with cystic fibrosis who receive daily DNase.

Murat yasin Gencoglu (Ankara, Turkey), Gökçen Dilşa Tuğcu, Şule Selin Akyan Soydaş, Güzin Cinel, Nagehan Emiralioğlu, Ebru Yalçın, Nural Kiper, Velat Şen, Derya Ufuk Altıntaş, Haluk Çokuğraş, Ayşe Ayzıt Kılınc, Hakan Yazan, Gökçen Ünal, Aslı İmran Yılmaz, Hanife Tuğçe Çağlar, Ebru Damadoğlu, İlim İrmak, Esen Demir, Gökçen Öztürk, Ayşen Bingöl, Erdem Başaran, Nihat Sapan, Ayşe Tana Aslan, Pelin Asfuroğlu, Koray Harmancı, Mehmet Köse, Melih Hangül, Ali Özdemir, Gizem Özcan, Zeynep Gökçe Gayretli, Özlem Keskin, Hasan Yüksel, Şebnem Özdoğan, Erdem Topal, Gönül Çaltepe, Demet Can, Pervin Korkmaz Ekren, Mehmet Kılıç, Tuğba Şişmanlar Eyüboğlu, Sevgi Pekcan, Nazan Çobanoğlu, Erkan Çakır, Uğur Özçelik, Deniz Doğru

TP-1 **Session** 13:00 - 14:00**Thematic poster: Clinical problems in respiratory medicine: 2****Disease(s)** : Airway diseases Thoracic oncology Respiratory critical care Sleep and breathing disorders Interstitial lung diseases**Method(s)** : General respiratory patient care Endoscopy and interventional pulmonology Public health Imaging Epidemiology Physiology Pulmonary function testing**Chairs** : Margarida Afonso (Castelo Branco, Portugal), Chair to be confirmed

Does preexisting immunocompromised status prevent mortality in COVID-19 patients: friend or foe?

Duygu Vezir (İSTANBUL, Turkey), Şehnaz Olgun Yıldızeli, Derya Kocakaya, Zeynep Mercancı, Baran Balcan, Caner Çınar, Emel Eryüksel, Sait Karakurt

Clinical effectiveness of 13-valent and 23-valent pneumococcal vaccination among adults with immunocompromising conditions.

cinta de diego cabanes (tarragona, Spain), Eva Satué-Gracia, Angel Vila-Rovira, Clara Rodríguez-Casado, Olga Ochoa-Gondar, Angel Vila-Córcoles

Lung manifestation of Common variable immunodeficiency – the results from the nationwide multicenter study

Tomas Milota (Prague, Czech Republic)

Chemotherapy-induced anemia: What are predictive factors in lung cancer?

Darine Sakka (sfax, Tunisia), Nesrine Kallel, Rim Khemakhem, Ilhem Yangui, Hajer Ayedi, Sami Kammoun

Phenotypic features of >300 suspected severe asthma attacks

Mouaid Aljehani (Nottingham, United Kingdom), Tim Harrison, Matthew Martin

Information and Counselling Offered to Women of Childbearing Age, When Starting Biological Therapy for Severe Asthma Across the UK.

Susan Frost (Birmingham (West Midlands), United Kingdom), Ann McMurray, Prasad Nagakumar

The effect of fatigue in patients with acute exacerbation of COPD: A prospective cohort study.

Ziyan Fang (ANHUI, China), Ziyan Fang, Xueer Li, Xuening Yang, Jing Liu

Hypersensitivity pneumonitis: clinical and radiological profile

Soukaina Hallouli (CASABLANCA, Morocco), Meryem Zadi, Hajar Arfaoui, Hasna Jabri, Wiam Elkhatabi, Hicham Afif

What goes bump in the night? An analysis of unplanned contacts to a Regional UK Children's Long Term Ventilation team

Elisabeth Queen, Rachel Gregory, Adele Frost, Nicky McNarry, Hannah Borrill, Andrew Prayle, Matthew Hurley

Sociodemographic and clinical characteristics of patients with asthma who were prescribed 3 SABA canisters/year in the SABINA International study

Ashraf Alzaabi (Abu Dhabi, United Arab Emirates), Walter Javier Mattarucco, Rocio Martina Barriga, Hao-Chien Wang, Dina Diaz, Adel Khattab, Manuel Pacheco Gallego, Hisham Farouk, David Price

Pulmonary function, muscular strength and quality of life according to mechanical ventilation use in post-Covid patients

Diane Rezende Batista (Botucatu (SP), Brazil), Rodrigo Barcellos, Robson Prudente, Bruno Lima, Vitor Nishiyama, Estefânia Franco, Luiz Henrique Machado, Luis Fernando Brizola, Maércio Santos, Edris Savadkouhi, Camila Colombo, Suzana Ruiz, André Albuquerque, Eloara Machado Ferreira, Suzana Tanni

Home initiation of Long Term Ventilation in children and young people, UK Regional service experience.

Meera Kumar (Nottingham, United Kingdom), Hannah Borrill, Adele Frost, Rachel Gregory, Nicky McNarry, Andrew Prayle, David Thomas, Matthew Hurley

Effects of Salbutamol upon lung ventilation, hemodynamics and oxygen transport by arterial blood in chronic obstructive pulmonary disease (COPD)

Valentin Calancea (Chisinau, Codru, Republic of Moldova), Eudochia Terna, Constantin Martiniuc, Svetlana Eremciuc, Ion Sirbu, Elena Calancea, Constantin Matcovschi, Sergiu Matcovschi

Birch pollen-induced seasonal allergic rhinitis and bronchial asthma: implication for allergen-specific immunotherapy in adults.

Jiri Nevrlka (Brno, Czech Republic), Iveta Selingerova, Zlatica Nevrlkova, Katarina Ditetova, Lenka Zdrzilova-Dubska

Assessment of the relationship between cognitive functions and inhaler device compliance in elderly COPD patients

Oğuz Karcioglu (Ankara, Turkey), Mert Eşme, Sevinç Sarınc Ulaşlı, Burcu Balam Doğu

Analysis of Characteristics and Outcomes of 223 Patients Admitted to Our Unit due to Respiratory Insufficiency Secondary to Pneumonia from SARS-COV2.

Marialma Berlendis (Chiari (BS), Italy), Alberto Valsecchi, Nicola Venturoli, Sabrina Arondi, Giovanni Vitrone, Paola Sinigaglia, Maroon Salameh, Denise Modina, Paolo Ceruti, Giampietro Marchetti

Provision of home high flow therapy is feasible and associated with positive patient experience and reduced admissions

Chris Carlin (Glasgow (Glasgow), United Kingdom), Anna Taylor, Maureen Manthe, Grace McDowell, David Lowe

Efficacy estimation of filter pads in expiratory filter/valve sets by means of Tc-99m-labeled graphite aerosol

Hubertus Hautzel (Essen, Germany), Timo Bartel, Kaid Darwiche, Clemens Aigner, Christian Taube, Ken Herrmann

Evolution of the Use of Noninvasive Mechanical Ventilation in Chronic Obstructive Pulmonary disease

Leila Douik El Gharbi (Ariana, Tunisia), Imen Sahnoun, Tasnim Znegui, Ines Moussa, Imen Nouira, Salma Mkaddem, Asma Allouch, Ksouti Chiraz, Mouhamed Rafik Guerfallah, Saloua Jameleddine, Leila Douik Elgharbi

Risk stratified physician associate asthma review

Sonika Jalota (Liverpool, United Kingdom), Sophie Wotherspoon, Hassan Argomandkhah, Shauna Johnston, Joanne Halewood, Sarah Sibley, Hassan Burhan

TP-16

Session

13:00 - 14:00

Thematic poster: Hot topics in paediatric bronchology

Disease(s) : **Airway diseases** **Interstitial lung diseases**

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Imaging Epidemiology Pulmonary function testing Cell and molecular biology Surgery

Chairs : Nadine Freitag (Krefeld, Germany), Raffaella Nenna (Rome, Italy)

Pulmonary complications in children with primary immunodeficiency disorders

ECE OCAK (ANKARA, Turkey), Şule Selin Soydaş, Murat Yasin Gencoğlu, Salih Uytun, Satı Özkan Tabakçı, Gökçen Dilşa Tuğcu, Sanem Eryılmaz Polat, Ayşe Metin, Güzin Cinel

Comparison of lung ultrasonography and magnetic resonance imaging versus chest computed tomography in patients with pulmonary alveolar microlithiasis

Mina Hizal (Ankara, Turkey), Ilkin Elif Gunel , H. Nursun Ozcan , Berna Oguz, Nagehan Emiralioglu, Ebru Yalcin, Deniz Dogru, Ugur Ozcelik, Mithat Haliloglu, Nural Kiper

Do lower airway infections occur concomitant or subsequent to upper airway infections in children with primary ciliary dyskinesia (PCD)?

Jisha Dhanik (Leicester, United Kingdom), Marzia Nazari, Rajinder Kang, Liam Causon, Priti Kenia, Alison Claydon, Manjith Narayanan

Association between airway pathogens and lung function in children with Primary Ciliary Dyskinesia (PCD) - a longitudinal study

Marzia Nazari (Leicester, United Kingdom), Jisha Dhanik, Priti Kenia , Liam Causon, Rajinder Kang, Alison Claydon, Manjith Narayanan

Evaluation of respiratory problems in children with Down syndrome

Pelin Asfuroglu (Ankara, Turkey), Tugba Ramasli Gursoy, Tugba Sismanlar Eyuboglu, Ayse Tana Aslan

The role of Flexible bronchoscopy in the evaluation and outcome of children with chronic cough: 20-year experience

Elpis Hatziagorou (Thessaloniki, Greece), Christos Lilos, Fotios Kirvassilis, John Tsanakas

Hypertensive pneumothorax with cystic lesions in a newborn

Michele Ghezzi (Bergamo, Italy), Rossella Lamberti, Francesca Riccaboni, Giulia Canali, Alessandra Zenga, Andrea Farolfi, Enza D'Auria, Gian Vincenzo Zuccotti

Recurrent respiratory infections in Down Syndrome: keep in mind bronchoscopy

Michele Ghezzi (Bergamo, Italy), Raffaella De Santis, Laura Gianolio, Francesco Bergamaschi, Andrea Farolfi, Laura Fiori, Enza D'Auria, Gian Vincenzo Zuccotti

Structured light plethysmography (SLP) in children after lung surgery

Michele Ghezzi (Bergamo, Italy), Luisa Abbattista, Anna Dighera, Valeria Calcaterra, Sara Costanzo, Annalisa De Silvestri, Andrea Farolfi, Enza D'Auria, Gloria Pelizzo, Gian Vincenzo Zuccotti

Is genotype a guide for phenotype in primary ciliary dyskinesia?

Pelin Asfuroglu (Ankara, Turkey), Tugba Sismanlar Eyuboglu, Ayse Tana Aslan, Tugba Ramasli Gursoy, Gulsum Kayhan

Comparison of bronchoalveolar lavage and upper respiratory tract cultures in children with chronic endobronchial infection

Maria Eleni Papakonstantinou (Athens, Greece), Konstantinos Douros, Stylianos Chatzipanagiotou, Alexandra Krontsi, Elpiniki Kartsioni, Georgia Karkouli, Angeliki Galani

Primary ciliary dyskinesia: genotype characterization and lung function in a group of Italian patients

Laura Petrarca (Roma (RM), Italy), Valentina Guida, Giuseppe Cimino, Raffaella Nenna, Francesca Picci-Sparascio, Maria Giulia Conti, Antonella Frassanito, Enrica Mancino, Greta Di Mattia, Domenico La Regina, Carlo Cappelli, Alessandro De Luca, Fabio Midulla

Flexible bronchoscopies in a UK tertiary paediatric respiratory unit -3 year follow up

Mihaela Diaconu (London, United Kingdom), Hani Gowai, Omer Adam, Hemant Kulkarni

Laryngeal Sensation in Children with Dysphagia and Neurological Impairment
Nadine Freitag (Krefeld, Germany), Dirk Schramm

Cryotherapy in pediatric airway

Dirk Schramm (Düsseldorf, Germany), Nadine Freitag, Karsten Kötz, Ignacio Iglesias-Serrano, Mario Culebras-Amigo, Vladimir Koblizek, Santiago Pérez-Tarazona, Enrique Cases Viedma, Jt Srikanta, Peter Durdik, Kaid Darwiche, Sune Rubak, Patrick Stafler

Non-cystic fibrosis, non-primary ciliary dyskinesia bronchiectasis (nCFnPCD-BE) in preschool children

Kanwal Jehanzeb (Birmingham, United Kingdom), Christopher Hine, Hollie Smith, Naomi Parsons, Maya Desai, Priti Kenia, Prasad Nagakumar

TP-7 Session 13:00 - 14:00

Thematic poster: Novel discoveries in immune (dys)function in lung disease

Disease(s) : Interstitial lung diseases Airway diseases Pulmonary vascular diseases

Method(s) : Cell and molecular biology Imaging

Chairs : Niki L. Reynaert (Maastricht, Netherlands), Ken Bracke (Ghent, Belgium)

Immune signaling pathways and cell expression is linked to pulmonary fibrosis

Mohammad Shadab Ali (New Delhi, India), Sonia Verma, Anita Chopra, Saurabh Mittal, Anant Mohan, Ashu Bhalla, Sudheer Arava, Vijay Hadda

Genetic deletion of SLPI results in increased protease activity and mucus clearance in a murine model of chronic lung disease

Peter Ferris (Belfast, United Kingdom), Ryan Brown, Rebecca Delaney, Caoifa Dougan, Declan Doherty, Donna Small, Marcus Mall, Daniel McAuley, Bronwen Connolly, Sinéad Weldon, Clifford Taggart

Deciphering the role of angiogenic T cells in the lung vasculopathy of rheumatoid arthritis, systemic sclerosis and other autoimmune diseases

Verónica Pulito-Cueto (Santander, Spain), Sara Remuzgo-Martínez, Fernanda Genre, Belén Atienza-Mateo, Virginia Portilla, Victor M. Mora-Cuesta, David Iturbe-Fernández, Leticia Lera-Gómez, Javier Rodríguez-Carrio, Diana Prieto-Peña, Ricardo Blanco, Alfonso Corrales, Oreste Gualillo, José M. Cifrián, Raquel López-Mejías, Miguel A. González-Gay

Macrophages – the conductor of inflammation in COPD?

Bahareh Jouleh (Rådal, Norway), Rune Nielsen, Per Bakke, Randi Sandvik, Tharmini Kalanathan, Jonathan Ward, Susan Wilson, Tomas Eagan

Hypertonic saline triggers inflammatory responses in THP-1 derived macrophages

Francesca Sposito (Liverpool, United Kingdom), Sarah Northey, Paul Mcnamara, Christian Hedrich

The role of airway neutrophils in primary ciliary dyskinesia

Marfa Blanter (Leuven, Belgium), Maaïke Cockx, Mirre De Bondt, Sarah Abouelasrar Salama, Liesel Wittebols, Lotte Vanbrabant, Noémie Pörtner, Nele Berghmans, Natalie Lorent, Mieke Boon, Sofie Struyf

LSC - 2022 - Inflammatory blood neutrophils in COPD stem from activated bone marrow progenitors

Theodore Kapellos (Mannheim, Germany), Kevin Bassler, Wataru Fujii, Tal Pecht, Lorenzo Bonaguro, Izabela Galvao, Adem Saglam, Erica Dudkin, Amit Frishberg, Elena De Domenico, Arik Horne, Chantal Donovan, Richard Y. Kim, David Gallego-Ortega, Matthias Becker, Kristian Händler, Thomas Ulas, Jan Hasenauer, Carmen Pizarro, Phil M. Hansbro, Dirk Skowasch, Joachim L. Schultze

Eosinophils sub-types differ between patients with asthma and COPD

Carlos Cabrera Lopez (Las Palmas de Gran Canaria, Spain), Alejandra Sánchez Santos, Angelina Lemes Castellano, Sara Cazorla Rivero, Joaquín Breña Atienza, Enrique González Dávila, Juan Pablo De Torres Tajés, Miguel Divo, Víctor Pinto-Plata, Francesca Polverino, Jose María Marin, Bartolomé Celli, Ciro Casanova Macario

Innate lymphoid cells 2 (ILC2) in the transition from pediatric wheezing to asthma

Matteo Bonato (Padova, Italy), Erica Bazzan, Tania Maes, Guy Brusselle, Graziella Turato, Ylenia Padrin, Martina Turrin, Manuel G Cosio, Angelo Barbato, Marina Saetta, Simonetta Baraldo

Activated type 2 innate lymphoid cells are elevated in children with uncontrolled asthma

Kornel Golebski (Amsterdam, Netherlands), Sophia Bjorkander, Yoni Van Dijk, Boris Gole, Michael Kabesch, Anke H Maitland-Van Der Zee, Erik Melén, Esmee Van Der Ploeg, Uroš Potočnik, Susanne Reinartz, Elisangela Santos Valente, Ralph Stadhouders, Cornelis Van Drunen, Susanne Vijverberg

Identification of Irf8-dependent pulmonary DC subsets using scRNASeq in experimental model of asthma and tolerance

Adan Chari Jirmo (Hannover, Germany), Ruth Grychtol, Svenja Gaedcke, Bin Liu, Stephanie Destefano, Christine Happle, Olga Halle, Joao Tereno Monteiro, Oliver D Breiholz, David Deluca, Gesine Hansen

Eosinophil-epithelial respiratory cells crosstalk in IL-33 mediated inflammation 3D models.

Claudia Afferni (Roma (RM), Italy), Adriana Gambardella, Sara Andreone, Fabrizio Mattei, Giovanna Schiavoni

Visualisation of longitudinal corticosteroid-mediated changes in T2 and IL-17A-producing cell populations using multiparameter CyTOF and tSNE

Gareth Hynes (Oxford (Oxfordshire), United Kingdom), Gillian Donachie, Sophie Morgan, Matilda Downs, Ian Pavord, Timothy Hinks

Mechanisms of nasal epithelial cell permeability in eosinophilic Severe Asthma: effect of anti-IL5R therapy

Katie Raby (London, United Kingdom), Piers Dixey, Nazanin Zounemat Kermani, Janice Koranteng, Fan Chung, Pankaj Bhavsar

Effect of IL-3, IL-5 and GM-CSF on adhesion and chemotaxis of blood eosinophil subtypes in allergic asthma

Airidas Rimkunas (Kaunas, Lithuania), Andrius Januskevicius, Egle Vasyle, Jolita Palacionyte, Kestutis Malakauskas

Eosinophil Subtypes Affect Airway Smooth Muscle Cells Proliferation Autocrine Adjustment via Extracellular Matrix Proteins Production in Asthma

Andrius Januskevicius (Kaunas, Lithuania), Airidas Rimkunas, Egle Jurkeviciute, Jolita Palacionyte, Kestutis Malakauskas

Activation of blood eosinophil subtypes proliferative properties by eosinophilopoetins in severe non-allergic eosinophilic asthma

Jolita Palacionyte (Kaunas, Lithuania), Airidas Rimkunas, Egle Jurkeviciute, Andrius Januskevicius, Kestutis Malakauskas

LSC - 2022 - Effect of eosinophilopoetins on proliferative properties of blood eosinophil subtypes in allergic asthma

Jolita Palacionyte (Kaunas, Lithuania), Airidas Rimkunas, Egle Jurkeviciute, Andrius Januskevicius, Kestutis Malakauskas

The Effect of Bronchial Allergen Challenge on Blood Eosinophil Subtypes-Specific miRNAs Expression in Allergic Asthma

Egle Jurkeviciute (Kaunas, Lithuania), Paulina Malakauskaite, Andrius Januskevicius, Airidas Rimkunas, Jolita Palacionyte, Kestutis Malakauskas

Late Breaking Abstract - Electronic cigarette vapour suppresses human neutrophil functions and alters phenotype, irrespective of nicotine content.

Alice Jasper (Birmingham, United Kingdom), Aduragbemi Faniyi, Lauren Davis, Frances Grudzinska, Robyn Halston, Dhruv Parekh, Elizabeth Sapey, David Thickett, Aaron Scott

TP-24

Session

13:00 - 14:00

Thematic poster: Treatment of pulmonary arterial hypertension**Disease(s) :** Pulmonary vascular diseases Airway diseases Respiratory critical care**Method(s) :** Public health General respiratory patient care Physiology Epidemiology Pulmonary rehabilitation Cell and molecular biology Imaging Endoscopy and interventional pulmonology**Chairs :** Luis Jose JARA PALOMARES (Sevilla, Spain), Tomás Pulido Zamudio (México D.F, Mexico)**Acute beta blockade improves right ventricular diastolic filling in pulmonary arterial hypertension: an experimental CMR and clinical pressure-volume study**

Colm McCabe (London, United Kingdom), Chinthaka Samaranyake, Marili Niglas, Aleksander Kempny, Ali Ashek, Nicoleta Baxan, Joy Pinguel, Konstantinos Dimopoulos, Laura Price, S. John Wort, Lan Zhao

Acute beat blockade improves right ventricular diastolic filling in pulmonary arterial hypertension: a rodent CMR and clinical human pressure-volume study

Chinthaka Samaranyake (London, United Kingdom), Marili Niglas, Aleksander Kempny, Nicoleta Baxan, Ali Ashek, Joy Pinguel, Konstantinos Dimopoulos, Laura C Price, Stephen J Wort, Lan Zhao, Colm McCabe

Haemodynamic (HD) evaluation of LIQ861 (treprostinil) inhalation powder for the treatment of pulmonary arterial hypertension (PAH)

Benjamin Egenlauf (Heidelberg, Germany), Satenik Harutyunova, Panagiota Xanthouli, Savan Patel, Ashley Galloway, Ekkehard Grünig

Combination therapy prescribing in pulmonary arterial hypertension patients in a real-world setting in Latin America

Tatiana Pineda (Bogota, Colombia), Alex Bennett, Ignacio Bluro, Julia Harley, Jorge Irias, Tomás Pulido, Alicia Ramirez, Catalina Roza Bedoya, Mark Small, Mauricio Orozco-Levi

Macitentan real-world experience in elderly patients over 75 years with pulmonary arterial hypertension (PAH)

Nick Kim (La Jolla, United States), Richard Channick, Kelly Chin, Lada Mitchell, Stefano Turricchia, Rose Ong, Vallerie McLaughlin

CARE PAH study design: an international, prospective real-world cohort of PAH patients

David Kiely (Sheffield (South Yorkshire), United Kingdom), Marc Humbert, Nancy Dreyer, Vallerie Mclaughlin, Tomas Pulido, Neli Boyanova, Benjamin Frauchiger, Fabrice Kiefer, Cheryl Lassen, Rose Ong, Lilian Sanna, Annette Sauter

Tolerability, safety and survival in patients with severe pulmonary arterial hypertension treated with intravenous epoprostenol (Veletri®): 6-months, open label, observational, non-interventional study

Julia Degering (Heidelberg, Germany), Satenik Harutyunova, Nicola Benjamin, Christina Alessandra Eichstaedt, Panagiota Xanthouli, Benjamin Egenlauf, Rebekka Seeger, Ekkehard Grünig

Retrospective on the Developing World's Participation in Pulmonary Hypertension Clinical Trials: 1999-2021

Rong Jiang (Shanghai, China), Lu Zheng, Shang Wang, Yi Yan, Ping Yuan

Mean Size of Atrial Shunt predicts Survival in Pulmonary Hypertension patients undergoing Atrial Septostomy

Rodrigo Zebadua (Ciudad de México, Mexico), Nayeli Zayas, Julio Lopez, Mario Pozas, Laurina Zorrilla, Julio Sandoval, Tomas Pulido

Effect of breathing oxygen-enriched air on exercise performance in healthy and different cardiopulmonary diseases Data from 5 RCTs.

Julian Müller (Zürich, Switzerland), Mona Lichtblau, Stéphanie Saxer, Simon R. Schneider, Paula Appenzeller, Elisabeth D. Hasler, Michael Furian, Konrad E. Bloch, Silvia Ulrich

Effect of acetazolamide on incremental cycling exercise in precapillary pulmonary hypertension. A randomized placebo-controlled, double blind, cross-over trial

Julian Müller (Zürich, Switzerland), Paula Appenzeller, Mona Lichtblau, Stéphanie Saxer, Charlotte Berlier, Simon Rafael Schneider, Michael Furian, Esther Irene Schwarz, Konrad Ernst Bloch, Silvia Ulrich

Efficacy of oral treprostinil as an add-on therapy for PAH

David Kiely (Sheffield (South Yorkshire), United Kingdom), Ekkehard Grünig, Vijay Balasubramanian, Joan Barberà, Carmine Dario Vizza, Jean Elwing, Namita Sood, Youlan Rao, Louis Holdstock, Scott Seaman, Meredith Broderick, R. James White

Long-term clinical assessment in patients with Eisenmenger Syndrome treated with macitentan

Rodrigo Zebadua (Ciudad de México, Mexico), Julio César López, Nayeli Guadalupe Zayas, Julio Sandoval, Montserrat Villalobos-Pedroza, Abraham Cruz, Daisy Karina Hernández, Jesús Filiberto Canul, Tomás Pulido

Feasibility, acceptability, safety and efficacy of a remotely delivered home-based pulmonary hypertension exercise program

Ciara McCormack (Navan, Ireland), Brona Kehoe, Sarah Cullivan, Noel Mccaffrey, Sean Gaine, Brian Mccullagh, Andrew Mccarren, Sarah Hardcastle, Niall Moyna

Survival of patients diagnosed with Pulmonary Hypertension undergoing Atrial Septostomy

Rodrigo Zebadua (Ciudad de México, Mexico), Nayeli Zayas, Julio Lopez, Laurina Zorrilla, Mario Pozas, Montserrat Villalobos, Julio Sandoval, Tomas Pulido

Predictors of the response to combined therapy with phosphodiesterase-5 inhibitors and endothelin receptor antagonists in pulmonary arterial hypertension

AGUSTIN ROBERTO GARCIA (BARCELONA, Spain), Isabel Blanco, Manuel Lopez Meseguer, Juan Antonio Domingo Morera, Clara Martin Ontiyuelo, Olga Tura Ceide, Isabel Otero Gonzalez, Pilar Escribano Subías, Joan Albert Barberà

Effects of Molsidomin upon pulmonary hemodynamics and oxygen transport by arterial blood in chronic obstructive pulmonary disease (COPD) and decompensated cor pulmonale

Valentin Calancea (Chisinau, Codru, Republic of Moldova), Eudochia Terna, Constantin Martiniuc, Svetlana Eremciuc, Ion Sirbu, Constantin Matcovschi, Elena Calancea, Sergiu Matcovschi

Cardiorespiratory adaptation whilst breathing normobaric hypoxia vs. short-term exposure to altitude in patients with pulmonary hypertension.

Simon Raphael Schneider (Zürich, Switzerland), Mona Lichtblau, Michael Furian, Laura Mayer, Julian Müller, Stephanie Saxer, Konrad Bloch, Silvia Ulrich

Late Breaking Abstract - Effect of 5 weeks of oral acetazolamide on patients with pulmonary vascular disease: a randomized, double-blind, cross-over trial

Mona Lichtblau (Zürich, Switzerland), Stephanie Saxer, Julian Müller, Paula Appenzeller, Charlotte Berlier, Simon R. Schneider, Laura Mayer, Michael Furian, Esther I Schwarz, Erik R Swenson, Konrad E Bloch, Silvia Ulrich

Late Breaking Abstract - Cannabidiol reduces lung and heart fibrosis in rats with monocrotaline-induced pulmonary hypertension

Anna Krzyżewska (Białystok, Poland), Marta Baranowska-Kuczko, Irena Kasacka, Hanna Kozłowska

Disease(s) : Respiratory critical care Airway diseases Interstitial lung diseases Pulmonary vascular diseases

Method(s) : General respiratory patient care Public health Respiratory intensive care Epidemiology Imaging Cell and molecular biology Physiology

Chairs : Nicolas Roche (Paris, France), Adrian Ceccato (barcelona, Spain)

Safety and efficacy of apremilast in adults hospitalized with COVID-19

Rani Elenjical (Centurion, South Africa), Manish Jain, Marcelo Rodrigues Bacci, Anatoliy Gavrylov, Bernardo Goecke Hochberger, Samuel Navarro Alvarez, Tomas Alvarez, Jon Persichino, Prista Charuworn, Cassandra E. Milmont, Rong Zhang

A phase 3 study to evaluate the efficacy and safety of reparixin in severe COVID-19 pneumonia

Giovanni Landoni (Milano, Italy), Antonio Voza, Massimo Puoti, Nicola Coppola, Hana Akselrod, Elizabeth Gavioli, Enrico M. Minnella, Sophie Toya, Carolina Marsiglia, Francesco Sergio, Marcello Allegretti, Flavio Mantelli

Efficacy and safety of garadacimab in patients with severe COVID-19

Alberto Papi (Cona, Ferrara, Italy), Renee Stapleton, Paul M Shore, Mihai Alexandru Bica, Younan Chen, Michael Larbig, Tobias Welte

Cotrimoxazole in hospitalised patients with severe COVID-19 – interim results from the CoTroxCov study

Syed Rehan Quadery (Dublin, Ireland), Thomas John, Pallabi Sinha, Minakshi Bhattacharjee, Saswata Bose, Udas Chandra Ghosh, Boudhayan Bhattacharyya, Santanu Kumar Tripathi, Bibhuti Saha

Outcomes of a phase 2 trial for the inhaled JAK inhibitor, nezulcitinib, in hospitalized patients with acute lung injury due to severe COVID-19

Rajeev Saggarr (Paradise Valley, United States), Dave Singh, Edmund Moran, David Lombardi, Tuan Nguyen, David Bourdet, Nathan Pfeifer, Jacky Woo, John Belperio

Inhaled beclomethasone in the treatment of early COVID-19: a double blind, placebo-controlled trial

Channa Ranasinha (Colombo 7, Sri Lanka), Chamila Mettananda, Arunasalam Pathmeswaran, Chatura Peiris, Aloka Gunasekara, Dharani Abeyrathna, Thimira Egodage, Channaka Dantanarayana

Value of Montelukast as a potential treatment of Post COVID-19 Persistent cough: A randomized controlled pilot study

Aliae Abd Rabou Mohamed-Hussein (Assiut, Egypt), Mohamed Eltaher Aa Ibrahim, Hoda Makhlof, Nahed Makhlof

AM3, a natural glycoconjugate, as adjuvant treatment for COVID-19 patients

DULCENOMBRE GÓMEZ-GARRE (Madrid, Spain), Adriana Ortega-Hernández, Javier Modrego, Rubén Gómez-Gordo, Laura Espino, Nieves Martell, Arturo Corbatón

Factors associated with non-invasive positive pressure ventilation failure in a COVID-19 Intermediate Care Unit

Inês Teixeira Farinha (Maia, Portugal), Alexandra Tenda Cunha, Filipa Costa

Tocilizumab reduces the need for mechanical ventilation in severe Coronavirus Disease 2019 (COVID19); the Greek Experience in a pragmatic clinical setting

Georgia Hardavella (Athens, Greece), Elena Bellou, Elli Keramida, Nefeli Papaioannou, Irma Bracka, Spiros Mazarakis, Ioannis Karampinis, Nikolaos Anastasiou, Xenophon Theiakos, Panagiotis Demertzis

Effect of colchicine on clinical outcomes in COVID-19

Souha Abdenneji (Tunis, Tunisia), Wafa Fekih, Iheb Ben Krayen, Jamel El Ghoul

Real-life prospective study on tocilizumab in severe COVID-19 infection

Lucy Power (Dublin, Ireland), Bianca Morarasu, Anam Sarfaraz, Ahmad Basirat, Hassan Rahman, Seamas Donnelly, Edward Moloney, Minesh Kooblall, Stephen Lane

EFFECT OF ANTICOAGULANTS ON THROMBOEMBOLIC EVENTS IN COVID-19 PATIENTS DISCHARGED FROM HOSPITAL AND OUTPATIENTS

CANER ÇINAR (istanbul, Turkey), Zeynep Ceren Balaban, Selin Kesim, Feyza Şen, Sait Karakurt, Tanju Yusuf Erdil, Tunç Öneş, Semiha Emel Eryüksel

No benefit of a prolonged course of corticosteroids in patients with COVID-19 secondary organizing pneumonia

Baptiste Artignan (Rennes, France), Stéphanie Dirou, Matthieu Wargny, Antoine Moui, Vivien Danielo, Claire Defrance, Renan Liberge, Olivier Morla, Marie Chauveau, Paul Le Turnier, Antoine Asquier Khati, Alexandra Espitia Thilbault, Mathieu Artifoni, Maite Agbakou, Luc Desmedt, Anne Sophie Boureau, Emmanuel Eschapasse, Francois-Xavier Blanc

Safety and efficacy of pamrevlumab (FG-3019) in patients with COVID-19 pneumonia: an open-label, randomized, parallel-arm phase 2 study

Giacomo Sgalla (Modena (MO), Italy), Gina Gualano, Paolo Maria Leone, Alessia Comes, Diana Verdirosi, Loona Poole, Elias Kouchakji, Fabrizio Palmieri, Luca Richeldi

Stabilised, synthetic sulforaphane in hospitalized patients with suspected COVID-19 pneumonia: a double-blind, placebo-controlled RCT

Hani Abo-Leyah (Perth (Perthshire), United Kingdom), Merete B Long, Yan Hui Giam, Thenmalar Vadiveloo, Rebecca C Hull, Holly R Keir, Thomas Pembroke, Daniela Alferes De Lima, Benjamin Jm New, Sarah Inglis, Amy Gilmour, Chloe Hughes, Lilia Delgado, Graeme MacLennan, Alben T Dinkova-Kostova, James D Chalmers

Olfactory rehabilitation in non-severe COVID-19 patients: a randomized double-blinded clinical trial

THIAGO SERRANO (CAMPINAS, Brazil), Marcelo Antonio, Lorena Giacomini, José Dirceu Ribeiro, Eulalia Sakano

Impact of Dexamethasone Treatment on COVID-19 Pneumonia Mortality

Konstantinos Tsitouras (Kortal-Münchingen, Germany), Alessandro Ghiani, David Ayubi, Selina Briese, Lutz Nina, Matthias Hansen, Sebastian Allgaeuer, Michael Torzewski, Katja Rothfuss, Lukas Gernhold, Claus Neurohr

Predictors of mortality in tocilizumab treated severe covid-19

Ilias Papanikolaou (Corfu, Greece), Konstantinos Pagkratis, Serafeim Chrysikos, Emmanouil Antonakis, Aggeliki Pandi, Chrysavgi Kosti, Eleftherios Markatis, Georgios Hillas, Antonia Dugalaki, Sofia Koukidou, Eleftheria Chaini, Andreas Afthinos, Katerina Dimakou

Pharmacokinetics and pharmacodynamics of imatinib in COVID-19 patients

Nadia Baalbaki (Bennekom, Netherlands), Jurjan Aman, Pierre M. Bet, Erik Duijvelaar, Jos Twisk, Cristina Longo, Kazien Mahmoud, Anke-Hilse Maitland-Van Der Zee, Eleonora L. Swart, Harm Jan Bogaard, Imke H. Bartelink

TP-26

Session

13:00 - 14:00

Thematic poster: Medical education in the digital era

Disease(s) : Sleep and breathing disorders Pulmonary vascular diseases Thoracic oncology Airway diseases

Method(s) : Public health General respiratory patient care Epidemiology Endoscopy and interventional pulmonology

Chairs : Marjolein Brusse-Keizer (Enschede, Netherlands), Lars Konge (Virum, Denmark)

From virtual to hybrid: attendees' ideas for virtual conference improvements and future conferences

Sai Ram (Bern, Switzerland), Daniel Stricker, Carine Pannetier, Nathalie Tabin, Richard Costello, Daiana Stolz, Kevin Eva, Sören Huwendiek

Effects of COVID-19 pandemic on medical education from trainee perspective and reinstatement of weekly departmental teaching in a respiratory ward

Asad Anwar (Guildford, United Kingdom)

Training impact on COVID-19 among health care workers

Imene MAGROUN (Ariana, Tunisia), Latifa Ben Afia, Soumaya Chebbi, Faten Mhiri, Hiba Ziedi, Jihen Rejeb

Bronchoscopy simulation training and its impact on novices' bronchoscopy skills

Eveline Gerretsen (Maastricht, Netherlands), Laurence Crombag, Marleen Groenier, Erik Van Der Heijden, Walther Van Mook, Jouke Annema, Frank Smeenk

Physician Associates' (PAs) perceptions and experience in Pleural procedures

Sameer Nagi (Sidcup, United Kingdom), Rebecca Greenbury, Sarah White, Matthew James, Burhan Khan

Utilization of different aspects of digital health among pulmonology residents in Turkey during the pandemic

Nazli Cetin (Denizli, Turkey), Maide Gozde Inam, Orkun Eray Terzi, Atalay Ozkul, Nazli Huma Teke, Mehmet Parlak, Aylin Ozsancak Ugurlu

A virtual reality platform for training in the management of acute respiratory diseases.

Paula Bordallo Vázquez (Gasteiz, Spain), Olatz Llaguno, Camila García-López, Javier Poyo, Miguel Ángel Sánchez, Irantzu Elorza, Franciso Javier Ribas-Solis, Gaspar Sánchez

Practical Procedures Workshop for Physician Associates (PAs)

Rebecca Greenbury (London, United Kingdom), Sarah White, Matthew James, Sameer Nagi, Burhan Khan

Usefulness of a low cost digital stethoscope for remote pulmonary auscultation

Ignasi Garcia Olivé (Badalona, Spain), Agnes Hernandez Biette, Pere Serra Mitja, Elisabet Gras, Jaume Palou, Jorge Abad, Antoni Rosell

The quality of YouTube videos on Obstructive Sleep Apnea

Hulya Abali (Istanbul, Turkey), Fatma Tokgoz Akyil, Seda Tural Onur, Dilara Demir

EVALUATION OF THE GREEK TRADITIONAL MEDIA PLURALISM BEFORE AND DURING THE COVID-19 PANDEMIC

Ourania Kotsiou (Larissa, Greece), Dimitra Siachpazidou, Evdoxia Gogou, Konstantinos Gourgoulis

An overview of Respiratory Research funding in Europe and UK between 2012 to 2022.
Priyadarshinee Karthisankar, Aravind Ponnuswamy

Non-specialists' understanding of their role in pulmonary hypertension diagnosis is significantly improved with online case-based education
Christy Rohani-Montez (Duillier, Switzerland)

Purview of teleconsultation during COVID- 19 pandemic.
VISHNU GIREESH (THIRUVANANTHAPURAM, India), Sneha Tirpude

A Low-Cost Bio-Simulator and Single Use or EBUS Bronchoscopy. A Platform for Remote Training.
Kevin Frederick Deasy (Ballincollig, Ireland), Anne-Marie Sweeney, Marcus Peter Kennedy

Late Breaking Abstract - Improved health outcomes for Aboriginal children hospitalised with chest infections
Pamela Laird (Perth, Australia), Roz Walker, Jack Whitby, Fenella Gill, Elizabeth Mc Kinnon, Matthew Cooper, Anne Chang, André Schultz

Late Breaking Abstract - Physicians' preferences in the use of PROMs during asthma and allergic rhinitis clinical approach
Ivan Cherrez-Ojeda (Guayaquil, Ecuador), Jean Bousquet, Torsten Zuberbier, Marcus Maurer, Karla Robles-Velasco, Belen Intriago, Maria José Farfán Bajaña, Matias Panchana Lascano, German D. Ramón, Dorota Krasowska, Pavel Kolkhir, Natasa Teovska, Alicja Kasperska-Zajac, Anna Zalewska-Janowska, Mona Al-Ahmad, Maryam Ali Al-Nesf, Tayseer Sabah, Sophia Neisinger, Florin Mihaltan, Maryam Khoshkhui, Maia Rukhadze, Kiran Godse, Ana Maria Giménez-Arnau, David Pesqué, Anja Lingnau, George Christoff, Ted Popov, Monica Rodriguez, Désirée Larenas Linnemann, Daria Fomina, Mitja Kosnik, Rabia Öztaş Kara, Juan Carlos Ivancevich, Nelson Rosario, Luis Felipe Ensina, Roberta Fachini Jardim Criado, Herberto Chong, Chrystopherson Gengyny Caballero López

TP-3 **Session** **13:00 - 14:00**

Thematic poster: Digital health interventions in respiratory practice

Disease(s) : Airway diseases Pulmonary vascular diseases Interstitial lung diseases

Method(s) : Public health Pulmonary rehabilitation General respiratory patient care Pulmonary function testing Imaging

Chairs : Io Hui (Edinburgh (Edinburgh), United Kingdom), Andrea Aliverti (Milan, Italy)

Exacerbation predictive modelling using real-world data from the myCOPD app
Henry Glyde (Bristol, United Kingdom), Alison Blythin, Tom Wilkinson, Ian Nabney, James Dodd

Use of a severe asthma algorithm in an asthma education center electronic medical record (EMR)
Alison Morra (port hope, Canada), Delanya Podgers, Andrew Day, Patrick Norman, Catherine Lemiere, M.Diane Loughheed

Exploring use of a connected Internet-Of-Things system (A4A+) with CE-marked devices to support asthma self-management? A mixed method study
Io Hui (Edinburgh (Edinburgh), United Kingdom), Brian Mckinstry, Mark Buchner, Hilary Pinnock

Can the generalizability problem of artificial intelligence be overcome?: Pneumothorax detection algorithm
Elvan Burak Verdi (ANKARA, Turkey), Deniz Dogan Mülazimoglu, Serhat Erol, Aslihan Gurun Kaya, Muhammed Yilmaz, Abdussamet Turker, Ahmet Murat Ozbayoglu, Ozlem Isik, Asli Bostanoglu Karacin, Ovgu Velioglu Yakut, Bulent Mustafa Yenigun, Canturk Tasci, Caglar Uzun, Atilla Halil Elhan, Ayten Kayi Cangir, Ozlem Ozdemir Kumbasar, Akin Kaya

Utilisation of health care and operational cost difference in telerehabilitation of COPD patients with a Virtual Autonomous Physiotherapist Agent
Jose Cerdán de las Heras (Aarhus C, Denmark), Fernanda Balbino, Daniel Catalan-Matamoros, Elisaberth Bendstrup

Preferred functionalities on smartphone applications for physical activity in adults with low cardiorespiratory function
Victor Dourado (Santos (SP), Brazil), Wesley Vieira, Maria Simões, Vinicius Lauria, Krom Guedes, Rodrigo Da Silva, Thatiane Ostolin, Neli Proença, Ricardo Padovani

Use of Pan-Canadian Respiratory Standards Initiative for Electronic Medical Health Records (PRESTINE) elements to measure performance in an asthma education centre
Alison Morra (port hope, Canada), Delanya Podgers, Andrew Day, Patrick Norman, Catherine Lemiere, M Diane Loughheed

Lung sounds classification with artificial intelligence
Abid Sourour (Sfax, Tunisia), Mohamed Majdi Karray, Rahma Gargouri, Ilhem Ben Salah, Walid Feki, Zied Triki, Najla Bahloul, Nesrine Kallel, Rim Khemakhem, Nadia Moussa, Samy Kammoun

Integrating asthma tools and clinical guidelines into primary care EMRs across Canada: A mixed-methods approach
Max Moloney (Selwyn, Canada), Madison Mackinnon, Emma Bullock, Alison Morra, David Barber, Samir Gupta, Teresa To, John Queenan, Geneviève Digby, M. Diane Loughheed

Comparison of lung auscultation between smartphone and digital stethoscope in patients with asthma: a feasibility study
Henrique Ferreira-Cardoso (Porto, Portugal), Ana Catarina Moniz, Rute Almeida, Magna Alves-Correia, Ana Margarida Pereira, Filipa Lopes, Rita Amaral, José Valente, Pedro Vieira-Marques, Catarina João, Manuel Ferreira-Magalhães, Inês Azevedo, João Almeida Fonseca, Cristina Isabel Oliveira Jácome

Patient perceived facilitators to greater self-management using home spirometry
karen parsons (Oxford, United Kingdom), Carmine Ruggiero, Shakila Hussain, Andrew Achaiah, Vishal Nathwani, Sabrina Zulfikar, Emily Fraser, Peter Saunders, Ling-Pei Ho, Rachel Hoyles

Development and performance testing of a deep learning computer-aided diagnosis system for chest X-rays
Gift Gana (Harare, Zimbabwe), Thokhozani Sibanda, Tatenda Madzorera, Micah Nhemachena, Sisodwa Nkomo, Tonderai Mapako, Evander Nyoni, Haji Mupakura

Scoping review on environments to support digital health solutions valued by clinicians in Bangladesh, India, Indonesia, Malaysia and Pakistan
Io Hui (Edinburgh (Edinburgh), United Kingdom), Rutuja Patil, Ashish Satav, Jitendra Shah, Shweta Panwar, Hani Salim, Teck Hock Toh, Adina Abdullah, Mulya Nurmansyah Ardisasmita, Fedri Ruluwedrata Rinawan, Chowdhury Zabir Hossain Tanim, G M Monsur Habib, Parisa Khandakr, Hana Mahmood, Zakiuddin Ahmed, Aimal Rextin, Balharry Dominique, Hilary Pinnock

Computational modelling for enhanced management of multimorbidity
Ruben Gonzalez Colom (SANT HIPOLIT DE VOLTREGA, Spain), Carmen Herranz, Joan Carles Contel, Emili Vela, Antoni Sisó, Jordi Piera, Isaac Cano, Josep Roca

Defining Cases of Confirmed and Suspected Asthma in Electronic Medical Records for Sentinel Surveillance
Max Moloney (Selwyn, Canada), David Barber, John Queenan, Alison Morra, Samir Gupta, Teresa To, Geneviève Digby, Rachel Morkem, M. Diane Loughheed

Decision support algorithm using machine learning for the diagnosis of pulmonary embolism on chest X-ray
Elvan Burak Verdi (ANKARA, Turkey), Deniz Dogan Mülazimoglu, Serhat Erol, Aslihan Gurun Kaya, Asli Bostanoglu Karacin, Sumeyye Ayoç, Ahmet Bahadır Dal, Akin Kaya

Features and quality of COPD self-management apps in the Android marketplace
Shirley Quach (Concord, Canada), Ana Oliveira, Roger Goldstein, Dina Brooks

Tele Pulmonology in COPD patients
Sarang Patil (Dhule (Maharashtra), India)

Late Breaking Abstract - Adherence to inhaled drugs – more than just reminders and nudging
Sabine Häussermann (Munich, Germany), Laura Andersen, Michalea Frisch

TP-13

Session

13:00 - 14:00

Thematic poster: Diagnosis, prevention and management of infectious respiratory diseases

Disease(s) : Airway diseases Interstitial lung diseases Respiratory critical care

Method(s) : Epidemiology Public health General respiratory patient care Imaging Pulmonary function testing Pulmonary rehabilitation Respiratory intensive care Cell and molecular biology

Chairs : Barbara Bonnesen Bertelsen (Hellerup, Denmark), Hye Yun Park (Seoul, Republic of Korea)

Social distancing and severe exacerbations of COPD – a nationwide semi-experimental study during the COVID-19 pandemic

Mohamad Isam Saeed (Copenhagen C, Denmark), Pradeesh Sivapalan, Josefin Eklöf, Charlotte Suppli Ulrik, Andrea Browatzki, Ulla Møller Weinreich, Torben Tranborg Jensen, Tor Biering-Sørensen, Jens-Ulrik Stæhr Jensen

Predictors of severe COVID-19 among patients with uncontrolled asthma: a register- based study

Stina Selberg (Luleå, Sweden), Johanna Karlsson Sundbaum, Jon R. Konradsen, Helena Backman, Linnea Hedman, Anne Lindberg, Caroline Stridsman

Symptoms persisting after hospitalization for COVID-19: 12 months interim results of the CO-FLOW study

L. Martine Bek (Maassluis, Netherlands), J.C. Berentschot, M.H. Heijnenbrok-Kal, G.M. Ribbers, J.G.J.V. Aerts, R Van Den Berg-Emons, M.H. Hellemons

COVID-19 infection in children through lung radiographic imaging changes

Oxana Munteanu (Chişinău (Chişinău), Republic of Moldova), Ana Goloborodico, Rodica Selevestru, Diana Rotaru-Cojocari, Corina Conica, Svetlana Sciuca

A fast point-of-care PCR test for infectious diseases, based on aerosol capturing.

Bert Verbruggen (Leuven, Belgium), Joren Raymenants, Tim Stakenborg, Filip Paeps, Elisabeth Marchal, Alejandra Jauregui Uribe, Wout Duthoo, Andrey Kossarev, Tho Dam, Youssef El Jerrari, Rodrigo Sergio Wiederkehr, Zhenxiang Luo, Marco Peca, Luis Mcree, Aduen Darriba Frederiks, Abdulkadir Yurt, Koen Ongena, Rabea Hanifa, Joost Van Duppen, Soumia El Mahmoudi, Mehdi Humbert, Erik Emmen, Ben Jones, Ahmed Taher, Andy Lambrechts, Emmanuel André, Peter Peumans

Covid-19 in children: disease spectrum and risk factors

Enrica Mancino (Roma (RM), Italy), Raffaella Nenna, Greta Di Mattia, Luigi Matera, Laura Petrarca, Maria Giulia Conti, Antonella Frassanito, Domenico Paolo La Regina, Elio Iovine, Virgili Fabrizio, Mattia Spatuzzo, Sara Ialongo, Flaminia Bonci, Fabio Midulla

One-year dynamics of antibody titers after three doses of SARS-CoV-2 BNT162b2 vaccine

Anna Breslavsky (Rishon LeTsiyon (Center District), Israel), Amir Bar-Shai, Natalya Bilenko, Ori Wand

Acute Lower Respiratory Tract Disease (aLRTD) is a complex clinical syndrome causing significant disease burden in a prospective cohort study

Catherine Hyams (Bristol, United Kingdom), Elizabeth Begier, Jo Southern, Jade King, Anna Morley, Zsuzsa Szasz-Benczur, Maria Garcia Gonzalez, Jane Kinney, James Campling, Sharon Gray, Jennifer Oliver, Robin Hubler, Srinivas Valluri, Andrew Vyse, Gillian Ellsbury, John McLaughlin, Bradford D Gessner, Adam Finn

Trends in influenza vaccination rates in subjects with airflow limitation: The Korean National Health and Nutrition Examination Survey (KNHANES) 2007–2018

Yong Suk Jo (Seoul, Republic of Korea), Hyun Lee, Hayoung Choi

Standardized 3- and 12-months imaging and clinical-functional pulmonary follow-up in patients hospitalized for COVID-19

DAVIDE CHIMERA (Pisa, Italy), Francesco Pistelli, Laura Tavanti, Giovanna Manfredini, Chiara Romei, Annalisa De Liperi, Ferruccio Aquilini, Micol Micheli, Alessandro Celi, Roberta Pancani, Massimiliano Desideri, Nicoletta Carpenè, Luciano Gabbrielli, Laura Carozzi

Correlation between post-vaccination titres of anti-Spike antibodies and protection against breakthrough SARS-CoV-2 infection in 7530 UK adults

Giulia Vivaldi (Romford, United Kingdom), David A. Jolliffe, Sian Faustini, Hayley Holt, Mohammad Talaei, Florence Tydeman, Alex G. Richter, Seif O. Shaheen, Adrian R. Martineau

One-year physical recovery in patients admitted to ICU and ward for COVID-19

Julia Berentschot (Rotterdam, Netherlands), Majanka Heijenbrok-Kal, Martine Bek, Gerard Ribbers, Joachim Aerts, Rita Van Den Berg-Emons, Merel Hellemons

Trends on pneumococcal and all-cause pneumonia incidence in Catalanian adults after universal PCV13 implementation in children.

cinta de diego cabanes (tarragona, Spain), Angel Vila-Córcoles, Eva Satué-Gracia, Olga Ochoa-Gondar, Angel Vila-Rovira, Domingo Ribas-Seguí

Post COVID syndrome in health care workers in Tunisia: is there any correlation with SARS-CoV-2 IgG level?

Ons Grissa (Tunis, Tunisia), Amani Dallagi, A Benzarti, Meriem Mjid, safa marzouki, Maya Zribi, Mnel Battikh, Imen Ismail, Nawel Khouja, Janet Hssinet, Mm Sallemi, Lam Laadhar, Besma Dhahri, Abir Ben Jemaa

Epidemiology analysis of bacterial co-infections in SARS-CoV-2 community-acquired pneumonia (CAP)

Alina V. Martynova (Kiev, Ukraine), Olga S Pavlova, Svetlana Uskova

Respiratory Outcomes in COVID-19 patients 3-6 months after admission to Public Health Hospital Maciel. Montevideo, Uruguay. A Follow up Cohort Study.

Jimena Nuñez Artigas (Montevideo, Uruguay), Monica Mamchur, Cecilia Chao, Cecilia Rodriguez Flores, Edilberto Pacheco, Analia Tempone, Karen Rabuñal, Carolina Silva, Fernando Gimenez, Ana Ines Gruss, Cecilia Acosta, Victoria Iraola, Maria Victorina Lopez Varela

Recurrent community-acquired pneumonia hospitalizations: Characteristics description in a 9-year follow-up period

Ezequiel Pessoa (Lisbon, Portugal), Cristina Bárbara, Andreia Costa, Paulo Jorge Nogueira

Prospective cohort study of adults hospitalised with acute COPD exacerbations: SARS-CoV-2-associated patient characteristics and clinical outcomes

Catherine Hyams (Bristol, United Kingdom), George Nava, Elizabeth Begier, Jo Southern, Jade King, David Adegbite, Leah Fleming, Jennifer Oliver, Jennifer L Nguyen, Bradford D Gessner, John M McLaughlin, Adam Finn, James Dodd

Morbidity and mortality associated with COVID-19 patients from Luanda, Angola

Margarete Lopes Teixeira Arrais (Luanda, Angola), Welwitschia Dias, Maura Silva, Luquenia Neto, Naiol Pedro, Sónia Jungo, Avelina Miguel, Elsa Fortes-Gabriel, Cruz S. Sebastião, Jorge M.R. Gama, Miguel Brito

Impact of the COVID-19 pandemic on Swedish asthma and COPD care

Caroline Stridsman (Luleå, Sweden), Jon R Konradsen, Bill Hesselmar, Anne Lindberg, Lowie E.G.W Vanfleteren

TP-23

Session

13:00 - 14:00

Thematic poster: How to prevent progression in idiopathic interstitial pneumonias**Disease(s) :** Interstitial lung diseases Thoracic oncology**Method(s) :** General respiratory patient care Epidemiology Public health Cell and molecular biology Endoscopy and interventional pulmonology Imaging Pulmonary function testing Transplantation**Chairs :** Fernanda Ines Hernandez Gonzalez (Barcelona, Spain), Giacomo Sgalla (Modena (MO), Italy)**Humoral Response among patients with Interstitial Lung Disease Vaccinated with the BNT162b2 SARS-Cov-2 vaccine - a prospective cohort study**

Barak Pertzov (Raana, Israel), Einat Shmueli, Haim Ben Zvi, Amir Massarweh, Tamar Barkan, Asaf Ness, Yael Shostak, Lev Freidkin, Osnat Shtraichman, Mordechai Kramer

SARS-CoV2 vaccination in Hungarian IPF patients

Nora Melinda Toth (Budapest, Hungary), Tamas Nagy, Eniko Barczy, Alexandra Nagy, Noemi Eszes, Aniko Bohacs, Krisztina Vincze, Veronika Müller

INFLUENCE OF ATMOSPHERIC POLLUTION IN MADRID ON THE SEVERITY OF NON-IPF ILD

Pablo Mariscal Aguilar (Madrid, Spain), Luis Gómez Carrera, Carlos Carpio Segura, Gema Bonilla Hernán, María Isabel Torres Sánchez, María Fernández Velilla-Peña, Elena Villamañán Bueno, Rita Regojo Zapata, Jaime Pavón Guede, Concepción Prados Sánchez, Rodolfo Álvarez-Sala Walther

Defining stakeholders' research priorities in progressive pulmonary fibrosis in the United Kingdom

Laura Fabbri (London, United Kingdom), Louise Wright, Steve Jones, Wendy Adams, Katherine Cowan, Simon Hart, Anne-Marie Russell, Michael Gibbons, Nazia Chaudhuri, Jennifer Lynch-Wilson, Gisli Jenkins

Reduced immunogenicity of the mRNA vaccine BNT162b2 in patients with IPF

Theodoros Karampitsakos (Patras, Greece), Ourania Papaioannou, Ilias Dimeas, Panagiota Tsiri, Vassilina Sotiropoulou, Ioannis Tomos, Ilias Papanikolaou, Matthaïos Katsaras, Paraskevi Kirgou, Zoe Daniil, Konstantinos Gourgoulianis, Dionysios Papalexatos, Fotis Sampsonas, Effrosyni Manali, Spyridon Papis, Demosthenes Bouros, Argyris Tzouveleakis

Early administration of nintedanib after the onset of acute exacerbation in patients with interstitial lung disease

Motoyasu Kato (Tokyo, Japan), Shinichi Sasaki, Eri Hayakawa, Soichiro Soma, Yuta Arai, Shun Nakazawa, Hiroaki Motomura, Issei Sumiyoshi, Yusuke Ochi, Kotaro Kadoya, Shinsaku Togo, Kazuhisa Takahashi

Improved survival of IPF patients treated with antifibrotic drugs compared with untreated patients

Mark G.J.P. Platenburg (Nieuwegein, Netherlands), Coline H.M. Van Moorsel, Ivo A. Wiertz, Pieter Zanen, Joanne J. Van Der Vis, Adriane D.M. Vorselaars, Marcel Veltkamp, Jan C. Grutters

Risk factors of adverse outcome after acute hospitalization in Idiopathic Pulmonary Fibrosis (IPF)

Emilia Cassandra Achilles Áttingsberg (København, Denmark), Nils Hoyer, Saher Shaker

Real-world outcomes for incidental interstitial lung abnormalities diagnosed over the baseline round of the Yorkshire Lung Screening Trial.

Sara Upperton (Leeds, United Kingdom), Claire Bradley, Paul Beirne, Bobby Bhartia, Alison Boland, Philip Crosbie, Michael Darby, Rhian Gabe, Martyn Kennedy, Tim Sutherland, Matthew Callister

Comparison of three dyspnea questionnaires in predicting survival of interstitial lung diseases

Onofre Moran Mendoza (Kingston (ON), Canada), Andres Moran Macdonald, Sami Alyami, Maxine Kish, Sean Davison

Long-term effect of nintedanib treatment in 11 countries of Europe and Asia

Martina Koziar Vasakova (Praha 10, Czech Republic), Martina Sterclova, Nesrin Mogulkoc Bishop, Katarzyna Lewandowska, Veronika Müller, Mordechai Kramer, Marta Hajkova, Dragana Jovanovic, Michael Studnicka, Jasna Tekavec-Trkanjec, Anton Penev, Petra Ovesna, Jakub Gregor

Post-hoc analysis of clinical characteristics and outcomes in patients with idiopathic pulmonary fibrosis (IPF) by elevated autoantibody (AAb) status

Chad Newton (Dallas, United States), Tejaswini Kulkarni, Katerina Samara, Jinnie Ko, Sachin Gupta, Elana J Bernstein

Lessons learned from 4 years Multidisciplinary discussion (MDD) in interstitial lung diseases (ILD)

Abdelkarim Khalifa (Pfäffikon ZH, Switzerland), Gunther Wiest, Detlef Kirsten, Anne-Marie Kirsten

Therapeutic decisions regarding initiation of antifibrotic therapy in IPF: a multicenter, prospective cohort study from Poland.

Katarzyna Górka (Warszawa, Poland), Marta Maskey-Warzęchowska, Małgorzata Barnaś, Adam Białas, Adam Barczyk, Hanna Jagielska-Len, Ewa Jassem, Aleksander Kania, Katarzyna Lewandowska, Sebastian Majewski, Magdalena Martusewicz-Boros, Wojciech Piotrowski, Alicja Siemińska, Krzysztof Śladek, Małgorzata Sobiecka, Marzena Trzaska-Sobczak, Witold Tomkowski, Beata Żołnowska, Rafał Krenke

Patterns of antifibrotic treatment changes in a cohort of idiopathic pulmonary fibrosis patients

Inge Raadal Skov (Odense, Denmark), André Shamoun Darbrodi, Jesper Rømhild Davidsen

Could family history avoid lung biopsy in fibrotic interstitial lung diseases? From a clinical retrospective cohort study.

Diego Duminy-Luppi (L'Hospitalet de Llobregat, Spain), Alex Alcaide-Aldeano, Lurdes Planas-Cerezales, Guadalupe Bermudo-Peloché, Vanesa Vicens-Zygmunt, Patricio Luburich, Belen Del Rio, Roger Llatjós, Lara Pijuan, Ignacio Escobar, Ana Montes-Worboys, Yasmina Gutiérrez-Rodríguez, Rosario Perona, Salud Santos-Pérez, Jordi Dorca, Maria Molina-Molina

Diagnostic delay in IPF impacts progression-free survival, quality of life and hospitalisation rates

Nils Hoyer (København NV, Denmark), Thomas Skovhus Prior, Elisabeth Bendstrup, Saher Burhan Shaker

Persistence, safety, and costs of antifibrotic treatment for idiopathic pulmonary fibrosis (IPF): a US Veterans Health Administration (VHA) claims study

Ying Qiu (Princeton, United States), Julia Zhu, Brandon Elpers, Christopher Dieyi, Clare Byrne, Risho Singh, Aryeh Fischer

Effects of low dose pirfenidone on lung function for patients with idiopathic pulmonary fibrosis in real practice

Kyoung Min Moon (, Republic of Korea), Bock-Hyun Jung, Jae Guk Lee, Myung Pyo Kim

Late Breaking Abstract - Inhaled pirfenidone is associated with better quality of life scores in idiopathic pulmonary fibrosis

Felix Woodhead (Coventry (West Midlands), United Kingdom), Grace Kim, Jonathan Goldin, Courtney Thompson, Michele Shaffer, Kelly Otto, Bruce Montgomery

TP-4 Session 13:00 - 14:00**Thematic poster: Physiologic studies of respiratory diseases**

Disease(s) : Airway diseases Pulmonary vascular diseases Interstitial lung diseases Sleep and breathing disorders

Method(s) : Pulmonary rehabilitation Physiology Pulmonary function testing Imaging Epidemiology Public health General respiratory patient care Endoscopy and interventional pulmonology

Chairs : Iulia Cristina Ioan (Vandoeuvre-Les-Nancy, France), Chair to be confirmed

Lung function and exercise capacity profile in pleuroparenchymal fibroelastosis

Ali Chour (Lyon, France), Thomas Gille, Mouhamad Nasser, Khais Ahmad, Julie Tractlet, Hilario Nunes, Emilie Blais, Arthur Petat, Vincent Cottin, Segolène Turquier

Acute hypoxia characterises pulmonary micro-aspiration in patients with gastroesophageal reflux disease and laryngopharyngeal reflux.

Gregory Falk (Lindfield, Australia), Leticia Burton, Daminda Weerasinghe, Hans Van Der Wall

Sex-specific difference in health-related altitude-effects and effect of preventive acetazolamide treatment

Alina Häfliger (Hildisrieden, Switzerland), Aline Buegin, Laura C Mayer, Maamed Mademilov, Mona Lichtblau, Talant Sooronbaev, Silvia Ulrich, Konrad E Bloch, Michael Furian

Arterial oxygen partial pressure and adverse health effects in COPD at altitude

Ahmet Sevik (Zuerich, Switzerland), Thomas Gaisl, Laura Graf, Silvia Ulrich, Konrad E Bloch, Mona Lichtblau, Michael Furian

Lung function at 12 years of age in children born very premature compared to term born controls and association to neonatal morbidities and sex.

Cecilia Hagman (Lund, Sweden), Lars Björklund, Ingrid Pupp-Hansen, Ellen Tufvesson

What adds the dynamic lung Hyperinflation in the diagnosis of asthma in children?

FATMA ELLEUCH (Sfax, Tunisia), Rim Kammoun, Sana Sellami, Ines Kammoun, Farah Gargouri, Hela Zouari, Kaouthar Masmoudi

Prevalence and predictors of hypoxemia and chronic respiratory failure in stable COPD patients.

Giuseppe Croce (, Italy), Sarah Elizabeth O'Donnell, Elisa Franceschi, Stefano Pini, Anna Casartelli, Fiammetta Danzo, Dejan Radovanovic, Pierachille Santus

Exercise-induced bronchoconstriction in pediatric age: relationship between age bronchoconstriction and recovery.
Catarina Camarinha (Lisboa, Portugal), Inês Marques, Isabel Almeida, Inês Nunes, Sara Matos, Ana Cristina Henriques, Ana Verónica Lourenço, Mário Morais-Almeida

Persistent exertional dyspnea post COVID-19: potential mechanisms
Amany Elbehairy (Alexandria, Egypt), Shaimaa A. Elbially, Nesma M. Geneidy, Ayman I. Baess, Abdel-Monem E. Metwally, Muhammad M. Elhofy

Time for recovery of function of alveolo-capillary membrane after COVID 19 infections
Besim Prnjavorac (Tešanj, Bosnia and Herzegovina), Aida Mujaković, Hasan Škiljo, Tamer Bego, Lejla Prnjavorac, Elvira Corhodžić, Jusuf Mehić, Omer Bedak, Emin Brkić, Irfan Prnjavorac

Long-term impact of covid-19: a systematic review of the literature and meta-analysis
Diana C Sanchez-Ramirez (Winnipeg, Canada), Kaylene Normand, Yang Zhaoyun, Rodrigo Torres-Castro

Impact of elexacaftor/tezacaftor/ivacaftor combination therapy on lung function in adults with cystic fibrosis: Beyond FEV1
Maximilian Wollsching-Strobel (Köln, Germany), Doris Dieninghoff, Laura F Emrich, Doreen Kroppen, Daniel S Majorski, Tim Mathes, Friederike S Magnet, Sarah B Schwarz, Carl-Peter Crieć, Wolfram Windisch

Effects of different end-expiratory lung volumes on haemodynamics and gas exchange in a rodent model of type-2 diabetes
Almos Schranc (Szeged, Hungary), Gergely H. Fodor, Roberta Südy, József Tolnai, Barna Babik, Ferenc Peták

Lung function, bronchial hyperresponsiveness and respiratory symptoms in elite athletes across sports.
Julie Stang (Oslo, Norway), Guro Pauck Bernhardsen, Thomas Halvorsen, Trine Stensrud

Blowing in the Wind: Use of Incentive Spirometry in Preventing Acute Respiratory Distress Syndrome for Patients with Moderate COVID
Ann Crizette Garcia (Manila, Philippines), Jose Sarenas

Cardiopulmonary exercise testing in patients with COVID-19 at 3 months from hospital discharge
Leonardo Gori (Florence, Italy), Carlo Fumagalli, Luca Ciani, Niccolò Marchionni, Francesco Fattiroli, Chiara Zocchi, Laura Raserio, Alessandra Sorano, Maria Vittoria Silverii, Iacopo Olivotto, Federico Lavorini

Comparison of dynamic cerebral autoregulation and cardiac baroreceptor sensitivity between residents living at different altitudes
Michael Furian (Zürich, Switzerland), Mathilde Ulliel-Roche, Connor A. Howe, Fanny Zerizer, Mathieu Marillier, Anne-Catherine Bernard, Ivan Hanco, Benoit Champigneulle, Sébastien Baillieux, Philip N. Ainslie, Aurélien Pichon, Stéphane Doutreleau, Samuel Verges, Julien Brugniaux

Late Breaking Abstract - A rare case of acute eosinophilic pneumonia induced by vaping-associated lung injury: a case report
Moath alkhhouzaie (Khobar, Saudi Arabia), Abir Alsaïd, Alaeldin Elfaki, Raghad Alghamdi

Late Breaking Abstract - Long-term durability of ivacaftor (IVA) treatment benefit in people with cystic fibrosis (PwCF)
Teja Thorat, Christian Merlo, Christina Scirica, Lisa McGarry, Maral Dersarkissian, Catherine Nguyen, Yuqian M Gu, Aruna Muthukumar, Joe Healy, M. Alan Brookhart, Jaime Rubin

Late Breaking Abstract - Long-term cardiopulmonary exercise outcomes among COVID-19 survivors: preliminary insights from an Italian study
Andrea Baccelli (Milano, Italy), Rocco Francesco Rinaldo, Francesca Marchetti, Beatrice Re, Mauro Degrassi, Elena Maria Parazzini, Fabiano Di Marco, Stefano Centanni

TP-11

Session

13:00 - 14:00

Thematic poster: Chronic airway diseases and infections: management and prevalence

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Physiology Pulmonary function testing Imaging Epidemiology Respiratory intensive care Endoscopy and interventional pulmonology Public health

Chairs : Lies Lahousse (Ghent, Belgium), Hannu Kankaanranta (Seinäjoki, Finland)

“Smart” inhalers: is there a role in the management of severe asthma?
Yee Yong See (Scarborough, United Kingdom), Evon Chee Yin Chow, Michael Crooks, Mandy Robinson, Karen Watkins, Francesca Turner, Joanne Thompson, Shoaib Faruqi

Utility of “smart” inhaler and suppression of fractional exhaled nitric oxide (FeNO): does it make a difference to patient outcomes?

Evon Chee Yin Chow (Hull, United Kingdom), Yee Yong See, Michael Crooks, Mandy Robinson, Karen Watkins, Francesca Turner, Joanne Thompson, Shoaib Faruqi

Dry powder inhaler (DPI) resistance: human behaviour and psychology of patient inspiratory effort

Monbi Chakma (London, United Kingdom), Sally Meah, Martyn Biddiscombe, Darragh Murnane, Omar Usmani

Dry Powder Inhalers (DPIs) vs Metered Dose Inhaler (MDI) with valved spacer: Using Functional Respiratory Imaging (FRI) to assess modelled lung deposition in a COPD patient

Jason Suggett (London (ON), Canada), Vlad Kushnarev, Hosein Sadafi

Cardiovascular system side-effects of salbutamol: A systematic review and meta-analysis

Xuan Li (Shenzhen, China), Lanhong Ma, Li Jia, Canghong Zhi, Honglin Li, Ling Bai

Safety profile of triple ICS/LABA/LAMA FDC in the treatment of asthma: a meta-analysis

Luigino Calzetta (Roma (RM), Italy), Francesco Cavalli, Alfredo Chetta, Mario Cazzola, Paola Rogliani

Association of Short-Acting- β_2 Agonist (SABA) Overuse and Risk of COPD among Adult Asthma Patients

Michael Asamoah-Boaheng (St John's, Canada), Jamie Farrell, Kwadwo Osei Bonsu, William K Midodzi

Improvement of asthma control after 3 months of treatment with extrafine single-inhaler triple therapy in asthmatics: a real-world view from Germany

Timm Greulich (Marburg, Germany), Berkta Akyildiz, Renata Slawinska, Andreas Wendt, Valentina Bogoevska, Christian Gessner

Improvement of treatment adherence after 3 months of treatment with extrafine single-inhaler triple therapy in asthmatics: a real-world view from Germany

Christian Gessner (Leipzig, Germany), Berkta Akyildiz, Veronika Grickschat, Tanja Borucki, Frederik Trinkmann

Dose delivery characteristics and lung deposition of indacaterol/glycopyrronium/mometasone furoate (IND/GLY/MF) and IND/MF via Breezhaler device: An Alberta Idealised Throat (AIT) evaluation

Xavier Jaumont (La Madeleine, France), Jürgen Jauernig, Katrin Fiebich, Dilraj Singh, Karen Mezzi

Inhaled Corticosteroids in Patients with Chronic Obstructive Pulmonary Disease and Risk of Acquiring Streptococcus Pneumoniae Infection. A Multiregional Epidemiological study

Christian Kjer Heerfordt (Hellerup, Denmark), Josefin Eklöf, Pradeesh Sivapalan, Truls Sylvan Ingebrigtsen, Tor Biering-Sørensen, Zitta Barrella Harboe, Jesper Koefod Petersen, Christian Østergaard Andersen, Jonas Bredtoft Boel, Anne Katrine Bock, Alexander G. Mathioudakis, John R. Hurst, Shailesh Kolekar, Sofie Lock Johansson, Jette Marie Bangsborg, Jens Otto Jarløv, Ram Dessau, Christian Borbjerg Laursen, Michael Perch, Jens-Ulrik Stæhr Jensen

Disease burden and treatment patterns among patients with asthma on GINA 4/5 therapies in China

Victoria S. Benson (Uxbridge (Middlesex), United Kingdom), Ge Liu, Adam Haq, Mark Small, James Siddall, Rafael Alfonso-Cristancho, Anna Richards

Disease burden and treatment patterns among patients with asthma in China

Victoria S. Benson (Uxbridge (Middlesex), United Kingdom), James Siddall, Ge Liu, Anna Richards, Adam Haq, Rafael Alfonso-Cristancho, Mark Small

A randomised controlled trial of the effects of a total diet replacement programme in uncontrolled asthma associated with obesity

Varun Sharma (Glasgow, United Kingdom), Helen C Ricketts, Lousie McCombie, Naomi Brosnahan, Luisa Crawford, Lesley Slaughter, Anna Goodfellow, Femke Steffensen, Rekha Chaudri, Michael Ej Lean, Douglas C Cowan

Two-month treatment with Zataria multiflora affected inflammatory cytokines, pulmonary function testes and respiratory symptoms in patients with chronic obstructive pulmonary disease (COPD)

Mohammad Hossein Boskabady (Mashhad, Islamic Republic of Iran), Vahideh Ghorani, Mohammad Reza Khazdair, Majid Mirsadraee, Omid Rajabi

The availability, cost and affordability of essential medicines for asthma and COPD in low- and middle-income countries: A systematic review

Marie Stolbrink (Liverpool (Merseyside), United Kingdom), Helen Thomson, Ruth M. Hadfield, Obianju B. Ozoh, Rebecca Nantanda, Shamanthi Jayasooria, Brian Allwood, David M.G. Halpin, Sundeep Salvi, Maria Montes De Oca, Kevin Mortimer*, Sarah Rylance*

Characterization of a Colombian cohort of high-risk phenotypes of COPD according to GesEPOC 2021

Carlos Andrés Celis Preciado (Bogotá (Cundinamarca), Colombia), Olga Milena García Morales, Alejandra Cañas Arboleda, Fanny Paola Rodríguez Torres, Javier Leonardo Galindo Pedraza, Juan Pablo Alzate Granados

Physical activity, sedentary behaviour and sleep of Sri Lankan adults living with COPD: cross-sectional study
Akila Randika Jayamaha (Colombo, Sri Lanka), Chamilya Perera, Ilaria Pina, Thamara Amarasekara, Anthony Seneviratne, Ravini Karunatilake, Amitha Fernando, Andy Barton, Michael Steiner, Savithri Wimalasekera, Sally Singh, Mark Orme

EDAC PREVALENCE AND ASSOCIATED FACTORS IN PATIENTS WITH SEVERE BRONCHIAL ASTHMA
Isabel Alfaya Fiaño (Barcelona, Spain), Alan Jhuniol Solis Solis, Felipe Andreo Garcia, Pere Serra Mitja, Astrid Crespo Lessmann, Alfons Torrego Fernández, David Ramos Barbón, Toni Zapata Comas, Ignasi Garcia Olivé, Vicente Plaza Moral, Antoni Rosell Gratacós, Jorge Abad Capa, Carlos Martínez Rivera

Asthma patients discharged from the emergency department in Ireland: an unmet need?
Cameron Forward (Galway, Ireland), Rory O'Loughlin, Helen Mulryan, Donna Langan, Michael Harrison, Robert Rutherford, Ruth Cusack

TP-8 **Session** **13:00 - 14:00**

Thematic poster: Identifying therapeutic targets and novel drug strategies in pulmonary diseases

Disease(s) : **Interstitial lung diseases** **Airway diseases** **Thoracic oncology**

Method(s) : Cell and molecular biology Pulmonary function testing Imaging

Chairs : Shyreen Hassibi (London, United Kingdom), Thomas Geiser (Bern, Switzerland)

scRNA sequencing on human airway epithelium reveals metabolic changes during healthy aging
Pavan Prabhala (Lund, Sweden), Sofia Wijk, Stefan Lang, Ellen Tufvesson, Leif Bjermer, Shamit Soneji, Gunilla Westergren-Thorsson, Mattias Magnusson

Identify Bcl3 as a novel biomarker shared between severe asthma and lung cancer using next-generation RNA sequencing from archival FFPE tissue biopsies
Laila Salameh (Dubai, United Arab Emirates), Poorna Manasa Bhamidimarri, Noha Elemam, Nival Ali, Youssef Dairi, Mouza Alsharhan, Syed Hammad Tirmazy, Qutayba Hamid, Bassam Mahboub, Saba Al Heialy, Rifat Hamoudi

Identification of miR-328-3p targets during wound repair of bronchial epithelial cells
Beata Narozna (Poznań, Poland), Zuzanna Stachowiak, Wojciech Langwiński, Aleksandra Szczepankiewicz

Correction of structural changes of lung parenchyma in induced systemic sclerosis
Bohdana Duskaliuk (Ivano-Frankivsk, Ukraine), Liubomyr Zaiats, Roman Yatsyshyn

Hyaluronic acid-targeted metabolism in Acute Respiratory Distress Syndrome
Fernanda Zamboni (Limerick, Ireland), Chun Kwok Wong, Maurice Collins

Zoledronic acid targeting of the mevalonate pathway causes reduced cell recruitment and attenuates pulmonary fibrosis
Jesper Bergwik (Lund, Sweden), Lloyd Tanner, Andrew Single, Ravi Bhongir, Jonas Erjefält, Arne Egesten

GTX-003 reduces the fibrotic markers in human lung fibroblast from patients with interstitial lung diseases.
Ana Montes Worboys (Sevilla, Spain), Jaume Mercade, María Molina-Molina, Eugenia Ruiz-Canovas

Small-molecule-mediated OGG1 inhibition attenuates pulmonary inflammation and lung fibrosis
Lloyd Tanner (Lund, Sweden), Andrew Single, Ravi Bhongir, Moritz Heusel, Tirthankar Mohanty, Christofer Karlsson, Carl-Magnus Clausson, Jesper Bergwik, Cecilia Andersson, Riya Oommen, Jonas Erjefält, Johan Malmström, Olov Wallner, Istvan Boldogh, Thomas Helleday, Christina Kalderén, Arne Egesten

Extracellular matrix formation reduction by nintedanib varies in the Scar-in-a-Jar fibroblast model depending on pathway induction
Jannie M. B. Sand (Herlev, Denmark), Morten Aarkrogh Christensen, Pernille Juhl, Diana Julie Leeming

Delayed Treatment with the Novel HSP90 inhibitor TAS-116 Ameliorate Hydrochloric Acid-Induced Pulmonary Fibrosis
Pavel Solopov (Norfolk, United States), Ruben Manuel Luciano Colunga Biancatelli, Christiana Dimitropolou, Tierney Day, John D. Catravas

Antifibrotic effect of metformin in a rat double-hit bleomycin model
Martina Bonatti (Solna, Sweden), Paola Caruso, Vanessa Pitozzi, Silvia Pontis, Maria Gloria Pittelli, Caterina Frati, Costanza Anna Maria Lagrasta, Maurizio Civelli, Barbara Montanini, Marcello Trevisani

Targeting p16 to induce Krt8+ transitional stem cell state and promote alveolar regeneration
Bruno Ribeiro Baptista (Nancy, France), Gregoire Justeau, Marylene Toigo, Maeva Zysman, Charlotte Thiebaut De Menonville, Randa Belgacemi, François Chabot, Sophie Lanone, Genevieve Derumeaux, Jorge Boczkowski, Laurent Boyer

Inhibition of neutrophilic inflammation by targeting the airway epithelial barrier with EP395.

Jennifer Kricker (Reykjavík, Iceland), Fridrik Gardarsson, Fredrik Lehmann, Maria Bech, Thorarinn Gudjonsson, Clive Page, Michael Parnham

Short chain fatty acids reduce inflamm-aging and ameliorate enhanced severity of acute lung injury in old mice

Christina Hildebrand (Hannover, Germany), Andreas Pich, Christian Mühlfeld, Marius Vital, Christina Brandenberger

Omeg@Silica microencapsulated fish oil counteracts tumor-related inflammation in lung adenocarcinoma cells

Elisabetta Pace (Palermo (PA), Italy), Claudia D'Anna, Caterina Di Sano, Giuseppe Cammarata, Simona Taverna, Serena Di Vincenzo, Mario Pagliaro, Antonio Scurria, Rosaria Ciriminna

Effect of dipeptidyl peptidase-4 inhibitor on emphysema model in mice

Hyonsoo Joo (Seoul, Republic of Korea), Jin Woo Kim

KVX-053, a PTP4A3 inhibitor, as antidote against CEES-induced Acute Lung Injury

Ruben Manuel Luciano Colunga Biancatelli (Norfolk, United States), Pavel Solopov, John Lazo, Elizabeth Sharlow, Brittany Ruedlinger, Stephen Beebe, John Catravas

Mesenchymal Stromal Cells Modulate the Immune Cell Response in a Klebsiella Pneumoniae Induced Sepsis Model

Jack Brady (Galway, Ireland), Claire Masterson, Declan Byrnes, Shahd Horie, Hector Gonzalez, Sean Mccarthy, Senthilkumar Alagesan, Daniel O'Toole, John Laffey

Late Breaking Abstract - Airway morphogenesis in wild type and heterozygous F508del mouse embryonic lungs treated by Elexacaftor/Tezacaftor/Ivacaftor

Alice Hachouel-Duvergé (Paris, France), Mickaël Lhuillier, Laura Aoust, Elise Dreano, Kim Landry Truchon, Christophe Delacourt, Lucie Jeanotte, Isabelle Sermet Gaudelus

Late Breaking Abstract - CFAP74-mutations as cause of Primary Ciliary Dyskinesia (PCD): Clinical presentation and diagnostic challenges

Luisa Biebach (Münster, Germany), Sandra Cindric, Julia Koenig, Isabella Aprea, Gerard Dougherty, Johanna Raidt, Diana Bracht, Renate Ruppel, Jens Schreiber, Rim Hjejij, Heike Olbrich, Heymut Omran

TP-21

Session

13:00 - 14:00

Thematic poster: Advances in the treatment and clinical/surgical management of tuberculosis and NTM**Disease(s) :** [Airway diseases](#) [Interstitial lung diseases](#)**Method(s) :** General respiratory patient care Public health Epidemiology Palliative care Cell and molecular biology Transplantation Endoscopy and interventional pulmonology Physiology Imaging Surgery**Chairs :** Christoph Lange (Borstel, Germany), Cécile Fléchet (Berlin, Germany)**Early effectiveness and safety of a modified shorter all-oral regimen for MDR/RR-TB in China**

Naihui Chu (Beijing, China), Wenjuan Nie, Juan Du, Yufeng Liu, Qianhong Wu, Fei Ren, Qingshan Cai, Yaping Zhang

Drug tolerance predicts clinical outcomes in mycobacterial lung infections

Lucas Boeck (Basel, Switzerland), Alexander Jovanovic, Frederick Bright, Basil Wicki, Loïc Sauter, Andreas Wüst, Dorothy M Grogono, Michael Tamm, Philippe Dehio, Johannes Nemeth, Michael Abanto, Rachel Thomson, Scott Bell, Andres R Floto

Multifocal tuberculosis in the immunocompetent patient

Zakaria Laklaai (casablanca, Morocco), Khadija Channoune, Nahid Zaghba, Hanane Benjelloune, Najiba Yassine

Factors associated with sputum culture conversion in patients with multidrug-resistant tuberculosis

Greta Musteikiene (Kaunas, Lithuania), Skaidrius Miliauskas

Isoniazid-induced hepatotoxicity in latent tuberculosis patients

Bruno S. Silva (Porto, Portugal), Nuno Faria, Inês Costa, Ricardo Reis

Study of rifampicin and silver nanoparticle composite efficacy on rifampicin-resistant Mycobacterium tuberculosis strains

Nino Kiria (Tbilisi, Georgia), Teona Avaliani, Nino Bablishvili, Nana Kiria, Giorgi Pichkhaia

Association between PD-L1 expression in monocytes and treatment outcomes in active pulmonary tuberculosis-human and animal model

Jia-Yih Feng (Taipei, Taiwan), Chin-Chung Shu, Sheng-Wei Pan, Jung-Jyh Hung, Po-Kuei Hsu, Wei-Juin Su, Yuh-Min Chen

Mathematical model for predicting the treatment effectiveness of MDR-TB based on Human-beta-defensin-1 level

Olga Pogorelova (Kharkiv, Ukraine), Olga Shevchenko, Irina Ovcharenko, Olga Hovardovska, Olga Shvets

Side effects of anti-tuberculosis treatment: comparison between combined and dissociated treatment

Soumaya Bouchareb (Ksar Hellal, Tunisia), Marwa Ammar, Ameni Ben Salem, Soumaya Boujnah, Aya Zaara, Touil Imen, Leila Boussoffara, Jalel Knani, Nadia Boudawar

Usage of silver nanoparticles to restore Moxifloxacin efficacy for fluoroquinolone-resistant M.tuberculosis cultures.

Teona Avaliani (Tbilisi, Georgia), Nino Kiria, Nino Bablishvili, Nana Kiria, Giorgi Pchikhaia

A retrospective study evaluating the effect of Prednisolone on the radiological sequelae of Tuberculous pleurisy

Junyi Zhang (London, United Kingdom), Usmaan Ahmed, Lottie Brown, Owais Kadwani, Ronan Breen, Parthipan Sivakumar

Place of surgery in the management of lymph node tuberculosis

amina abdelkbir (ben arous, Tunisia), Kaouther Ben Amara, Mahdi Abdennadher, Hazem Zribi, Adel Marghli

Comparison of resolution of Tuberculous pleural effusion on Anti – tubercular treatment with and without steroids : A one-year follow-up

ROHIT SUHAS BHINGARDEVE (SANGLI, India), Sudarshan Mante, Naman Ajwani, Siddharth Waghmare, Swapnil Thorve, Jairaj Nair

Improvement in the management of nontuberculous mycobacteria after lobar collapse therapy with Endobronchial valves (EBV)

Valentina Luzzi (Firenze (FI), Italy), Jessica Mencarini, Sara Tomassetti, Lorenzo Corbetta

Not always COVID - pulmonary BCGosis as an unexpected cause of severe respiratory failure and massive ground glass opacities in the lungs.

Katarzyna B. Lewandowska (Warszawa, Poland), Anna Lewandowska, Inga Baranska, Magdalena Klatt, Ewa Augstynowicz-Kopec, Witold Tomkowski, Monika Szturmowicz

Prevalence of sub-optimal drug levels of Rifampicin, Isoniazid and Pyrazinamide among tuberculosis patients in Sydney, Australia. A pilot study.

Anthony Byrne (Sydney (NSW), Australia), Ryan Wong, Debbie Marriott, Danijela Kocic, Jan-Wilem Alffenaar, Jin Gun Cho, Ben Marais

Chest wall tuberculosis: a surgical experience

amina abdelkbir (ben arous, Tunisia), WIFEK SAIDANI, Imen Bouacida, Amina Abdelkebir, Hazem Zribi, Mahdi Abdennadher, Chaker Jaber, Ines Moussa, Sarra Zairi, Adel Marghli

Regional differences in prescribing pyrazinamide for tuberculosis treatment

Hiromi Matsumoto (Kanagawa, Japan), Nobuaki Kobayashi, Nobuhiko Fukuda, Ayami Kaneko, Ami Izawa, Kohei Somekawa, Chisato Kamimaki, Sosuke Kubo, Katsushi Tanaka, Kenichi Seki, Hiroaki Fujii, Ayako Aoki, Yoichi Tagami, Keisuke Watanabe, Nobuyuki Horita, Yu Hara, Takeshi Kaneko

Priority identification in the clinical case management of multidrug resistant Tuberculosis (MDR-TB) in Bangladesh

Farzana Zaman (Dhaka, Bangladesh), Muhammad Asaduzzaman

The impact of diabetes mellitus on the anti-TB treatment outcome, a series of cases study

Tatiana Osipov (Chisinau, Republic of Moldova), Evelina Lesnic, Alina Malic

TP-25

Session

13:00 - 14:00

Thematic poster: Cutting-edge concepts in interventional bronchoscopy

Disease(s) : Thoracic oncology Airway diseases Interstitial lung diseases Respiratory critical care

Method(s) : Endoscopy and interventional pulmonology Respiratory intensive care

Chairs : Laurence M.M.J. Crombag (Amsterdam, Netherlands), Rocco Trisolini (Roma, Italy)

INTRATHORACIC LYMPH NODE METASTASES FROM EXTRAPULMONARY NEOPLASMS: DIAGNOSTIC PERFORMANCE OF EBUS-TBNA.

Alejandro Golfé (Valencia, Spain), Marina Alcaraz Barcelona, Wanda Almonte Batista, Javier Cruz Ruíz, Concepción Patricia López Miguel, Jesús Jiménez López, Francisco Javier Callejas González, Sergio Garcia Castillo, Alvaro Hurtado Fuentes, Carlos Sánchez Villar, Raúl Godoy Mayoral, Ana Núñez Ares

Real-life comparison of diagnostic yield (DY) and sample adequacy (SA) of 22G and 25G EBUS-TBNA needles: less is more?

Filippo Lanfranchi (Padua, Italy), Laura Mancino, Gabriele Foltran, Alberto Pavan, Gioele Castelli, Lorenzo Ciarrocchi, Licia Laurino, Lucio Michieletto

Diagnosing challenging pulmonary nodules with virtual bronchoscopic navigation and augmented fluoroscopy

Faustina Funke (Essen, Germany), Jane Winantea, Kaid Darwiche

PD-L1 suitability rate of E(B)US-TBNA specimens: RCT of Acquire 22G TBNA vs Expect 22G TBNA needles

Tess Kramer (Amsterdam, Netherlands), Jolanda Kuijvenhoven, Daniël Korevaar, Maarten Ninaber, Rocco Trisolini, Artur Szubowski, Maciej Gnass, Jiri Votruba, Jan Von Der Thüsen, Daniëlle Cohen, Peter Bonta, Jouke Annema

Prevalence and association with malignancy of intrathoracic lymph node calcifications: a cross sectional endosonographic pilot study

Stefania Cortese (Rignano Flaminio, Italy), Fausto Leoncini, Jacopo Simonetti, Vanina Livi, Daniele Magnini, Alessandra Cancellieri, Luca Richeldi, Rocco Trisolini

Malignancy Risk Analysis in Patients with non-diagnostic endobronchial ultrasound-fine needle aspiration (EBUS-TBNA) of mediastinal lymph nodes

Inbal Shafran (raanana, Israel), Lior Sluk, Nadav Furie, Ronen Mass, Michael Peled, Erik Baltaxe, Michael Segel, Tiberiu Shulimzon, Amir Onn, Sumit Chatterji, Liran Levy

Clinical impact of isolated mediastinal and hilar lymphadenopathy (IMHL). Insights from thoracic endosonography (EBUS/EUS-b).

Serafeim Chrysikos (Athens, Greece), Theodoros Karampitsakos, Sofia Koukidou, Anastasia Papaporphyriou, Maria Anyfanti, Eleftherios Zervas, Georgios Hillas, Argyrios Tzouvelekis, Katerina Dimakou

Safety and Efficacy of EBUS guided trans-bronchial lymph node cryobiopsy (EBUS-TBLNC): A single center experience.

Virender Pratibh Prasad (Secunderabad, India), Chetan Rao Vaddepally, Venkata Nagarjuna Maturu

Correlation between sonographic features of mediastinal lymph nodes and presence of malignancy when performing EBUS-TBNA

Sara Braga (Braga, Portugal), Gabriela Fernandes, Hélder Novais E Bastos, Adriana Magalhães

The rise of Endobronchial Ultrasound (EBUS) and fall of Mediastinoscopy

Haider Al-Najjar (Manchester (Greater Manchester), United Kingdom), Eman Nasr, Haval Balata, Mathew Evison, Louise Brown, Ramachandran Sundar, Durgesh Rana, Nadira Narine

Involvement of the left adrenal gland in lung cancer patients evaluated by EUS-B-FNA

Kaid Darwiche (Essen, Germany), Hubertus Hautzel, Dirk Theegarten, Faustina Funke, Jane Winantea, Michael Hagemann, Hanna Zellerhoff, Ruediger Karpf-Wissel

Real world experience of single use flexible bronchoscopy over six months in a tertiary centre

Anne-Marie Sweeney (Dublin, Ireland), Grace Kavanagh, Patrick Coghlan, Hammad Danish, Barry Plant, Michael Henry, Marcus Kennedy

Single Use Flexible Bronchoscopy: An ex-vivo comparison of all commercially available scopes.

Kevin Frederick Deasy (Ballincollig, Ireland), Anne-Marie Sweeney, Emily Margaret O'Reilly, Marcus Peter Kennedy

Pre-clinical testing of single use flexible bronchoscopes: clinician preference based on physical characteristics and level of experience

Anne-Marie Sweeney (Dublin, Ireland), Kevin Deasy, Emily O'Reilly, Hisham Ibrahim, Hammad Danish, David Landers, Marcus Kennedy

Flexible bronchoscopy in a critically ill - improving patient and operator safety

Anita Anokar (Pune (Maharashtra), India), Samruddhi Chougale, Amarnath Prasad

Healthy volunteer experience following research bronchoscopy

Hazel Morrison (Bridgwater (Somerset), United Kingdom), Raquel Lopez Ramon, Susan Jackson, Julia Marshall, Celia Mitton, Andrew Mawer, Clare Wilkins, Henry Bettinson, Timothy Hinks, Helen Meshane

Factors related to Broncho-Alveolar Lavage Recovery Rate

Mariana Conde (Guimarães, Portugal), Margarida Carvalho, Ana Cláudia Pimenta, Catarina Parra, Artur Vale, Cláudia Pinto, Joelma Silva, Rafael Noya, Ana Isabel Loureiro

On site evaluation of biopsy smears in respiratory samples for the diagnosis of lung cancer

Eduard Barrio Herraiz (Barcelona, Spain), Alan Jhuniol Solis Solis, Toni Zapata Comas, Pere Trias Sabriá, Marta Ávila Terzi, Nuria Mateos Mari, Pere Serra Mitjà, Carmen Centeno Clemente, Rachid Tazi Mezalek, Jorge Abad Capa, Antoni Rosell Gratacós, Felipe Andreo García

Clinical analysis of the patients who required intubation management and underwent Bronchial artery embolization for hemoptysis

Manabu Suzuki (Tokyo, Japan), Momoko Morishita, Chie Morita, Akinari Tsukada, Takashi Katsuno, Yusaku Kusaba, Akane Ishida, Masao Hashimoto, Junko Terada, Satoru Ishii, Go Naka, Jin Takasaki, Motoyasu Iikura, Shinyu Izumi, Masayuki Hojo, Haruhito Sugiyama

Tranexamic acid versus adrenaline for controlling iatrogenic endobronchial bleeding: a double blind randomized control trial

Goran Glodić (Zagreb, Croatia), Sonja Badovinac, Denis Baričević, Filip Popović, Dražena Srdić, Mateja Janković Makek, Feđa Džubur, Ivan Sabol, Marta Koršić, Ana Bačelić Gabelica, Ana Hećimović, Bernard Budimir, Dina Mihelčić, Miroslav Samaržija

TP-12

Session

13:00 - 14:00

Thematic poster: Alpha-1 antitrypsin deficiency and chronic airway obstructive diseases

Disease(s) : Airway diseases Thoracic oncology

Method(s) : Pulmonary function testing Epidemiology General respiratory patient care Cell and molecular biology Public health

Chairs : Alice Turner (Birmingham (West Midlands), United Kingdom), Kenneth R. Chapman (Toronto (ON), Canada)

Prevalence of cardiovascular disease in alpha-1 antitrypsin deficiency

Emily Bailey (, United Kingdom), Paul Ellis, Alice Turner

Alpha-1 antitrypsin deficiency associates with asthma exacerbations

Elena Martín González (La Laguna, Spain), José M. Hernández-Pérez, Mario González-Carracedo, Javier Pérez-García, Ruperto González-Pérez, Elena Mederos-Luis, Inmaculada Sánchez-Machín, Paloma Poza-Guedes, María Jesús Cruz, Francisco Javier González-Barcala, Carlos Martínez-Rivera, Joaquim Mullol, Xavier Muñoz, José María Olaguibel, Vicente Plaza, Santiago Quirce, Antonio Valero, Joaquín Sastre, Victoria Del Pozo, Jesús Villar, José A. Pérez, María Pino-Yanes

The effect of SERPINA1 mutations on 1-antitrypsin levels in COPD

Csilla Páska (Budapest, Hungary), Imre Barta, Anita Kecskés, Anna Kerpel-Fronius, Diána Solymosi, Balázs Antus

Association between 1-antitrypsin deficiency and its clinical manifestations – an observational study in a Portuguese cohort

Maria João Silva (Torres Novas, Portugal), Diana Amorim, Maria João Canotilho, Savato Feijó

Longitudinal follow-up in adults with severe alpha-1 antitrypsin deficiency (Pi*ZZ genotype): non-invasive fibrosis tests predict liver-related endpoints

Malin Fromme (Aachen, Germany), Samira Amzou, Barbara Burbaum, Philipp Striedl, Mattias Mandorfer, Monica Pons, Joan Genesca, Marc Miravittles, Elmar Aigner, Christian Trautwein, Pavel Strnad

The effect of alpha-1 antitrypsin (AAT) augmentation therapy on the liver phenotype in individuals with homozygous Pi*Z AAT mutation (genotype Pi*ZZ)

Malin Fromme (Aachen, Germany), Karim Hamesch, Carolin V. Schneider, Mattias Mandorfer, Katrine Holtz-Thorhauge, Vitor Pereira, Monica Pons, Matthias C. Reichert, Samira Amzou, Robert Bals, Rembert Koczulla, Marc Miravittles, Sabina Janciauskiene, Joan Genesca, Federica Benini, Joanna Chorostowska-Wynimko, William J. Griffiths, Elmar Aigner, Alexander Teumer, Michael Trauner, Aleksander Krag, Christian Trautwein, Pavel Strnad

1-ANTITRYPSIN DEFICIENCY IN GREEKS: FOCUS ON RARE VARIANTS

Effrosyni D. Manali (Athens, Greece), Spyros Papis, Martina Veith, Andriana I Papaioannou, Vasiliki Apollonatos, Ilaria Ferrarotti, Stefania Ottaviani, Argyrios Tzouvelekis, Vasilios Tzilas, Nikoletta Rovina, Grigorios Stratakis, Irini Gerogianni, Zoe Daniil, Lykourgos Kolilekas, Aimilia Tsaroucha, Katerina Dimakou, Georgios Pitsidianakis, Nikolaos Tzanakis, Stavros Tryfon, Ilias Papanikolaou, Michael Kitrou, Aggeliki Haritou, Frangiskos Fragopoulos, Elvira-Markela Antonogiannaki, Aggeliki Lazaratou, Zafeirios Sardelis, Eleni Stagaki, Gerasimos Apollonatos, Evangelia Fouka, Despoina Papakosta, Maria Tsiamita, Panagiota Loukopoulou, David Tsoukas, Stamatia Markou, Panagiotis Mavroudis, Phillip Emmanouil, Nektarios Anagnostopoulos, Theodoros Karampitsakos, Ioanna Korbila, Katerina Vlami, Galateia Verykokou, Maria Kallieri, Georgia Papadaki, Maria Maniati, Konstantinos Kagouridis, Panagiotis Lyberopoulos, Konstantinos Douros, Smaragdi Fessatou, Ino Kanavaki, Vassiliki Papaevangelou, Iraklis Tsangaris, Nikolaos Koulouris, Stylianos Loukides, Demosthenes Bouros, Malika Balduyck, Christine Lombard, Vincent Cottin, Jean-François Mornex, Claus Franz Vogelmeier, Timm Greulich

Familiarity and use of ERN-LUNG centres for the management of Alpha 1 Antitrypsin Deficiency

Joanna Chorostowska-Wynimko (Warsaw, Poland), A. Rembert Koczulla, Maria Sucena

Association between lung disease severity and cardiovascular event risk in alpha-1 antitrypsin deficiency

Daniella Spittle (Birmingham, United Kingdom), Anita Pye, Paul Ellis, Alice Turner

Heterozygous alpha 1 antitrypsin mutations (HA1AT) and lung cancer (LC) in a chronic obstructive pulmonary disease (COPD) population.

Alfredo Marín Muñoz (Castelldefels, Spain), Lidia Méndez Mangas, Montserrat Navarro Rodríguez, Javier Burgos Lozano, Isabel Brao Pérez, Mónica Arellano Vengoechea, Marta López Sánchez, Susana Padrones Sánchez, Samantha Aso González, Salud Santos Pérez

Diagnosing Alpha 1 Antitrypsin Deficiency in Europe – insights from a European survey

Maria Campos Miranda Duarte Sucena (Porto, Portugal), A. Rembert Koczulla, Joanna Chorostowska-Wynimko

Clinical features of a severe asthma population eligible for biologics: a real life study

Sonia Garino (Leini, Italy), Elisa Riccardi, Andrea Sprio, Fabiana Giannoccaro, Andrea Baroso, Stefano Pizzimenti, Fabio Luigi Massimo Ricciardolo

Predictors of fixed airflow obstruction (FAO) in patients with severe asthma (SA) in the Wessex Severe Asthma Cohort (WSAC)

Vipula Bataduwaarachchi (Portsmouth, United Kingdom), Thomas Brown, Laura Wiffen, Thomas Jones, Clare Barber, Peter Howarth, Anoop Chauhan

Characteristics of patients and exacerbations in the ongoing Asthma: Phenotyping Exacerbations (APEX) studies.

Ashish Pradhan (Nottingham, United Kingdom), Robert Needham, Karen Shaw, Matthew Martin, Micheal Portelli, Ian Sayers, Tim Harrison

Infectious exacerbation of asthma

Salma Msika (casablanca, Morocco), Hajar Arfaoui, Hasna Jabri, Wiam El Khattabi, Hicham Afif

Clinical features of asthmatics with high serum total IgE

Martina Sciolla (Torino, Italy), Andrea Sprio, Andrea Baroso, Giulia Orpheu, Chiara La Sala, Antonino Di Stefano, Fabio Luigi Massimo Ricciardolo

Small airway dysfunction assessed by forced oscillation technique

Priyanka Singh (New Delhi, India), Nitin Ahuja, Aseem Yadav, Saurabh Tiwari

How consistent are blood eosinophil counts in a general population?

Sylvia Hartl (Wien, Austria), Marie Kathrin Breyer, Otto Burghuber, Caspar Schiffers, Patricia Puchhammer, Alina Ofenheimer, Robab Breyer-Kohansal

Late Breaking Abstract - Developing a point of care (POC) breath test to accurately predict asthma exacerbations

Victor Higgs (London, United Kingdom), Hanya Ahmed, Jona Angelica Flavier, Farida Hegarzy

Late Breaking Abstract - Clinical differences between male and female SEO-COPD patients

Tessa Kole (Groningen, Netherlands), Jorine Hartman, Dirk-Jan Slebos, Maarten Van Den Berge

TP-10

Session

13:00 - 14:00

Thematic poster: Asthma biologics in real life studies

Disease(s) : **Airway diseases**

Method(s) : Epidemiology General respiratory patient care Imaging Pulmonary function testing Endoscopy and interventional pulmonology Physiology

Chairs : Bilun Gemicioglu (Istanbul, Turkey), Francisco Javier Salgado Castro (Santiago De Compostela, Spain)

Inter-observer agreement on biological treatment decision for severe asthma.

Andreanne Cote (Quebec, Canada), Marie-Eve Boulay, Rosalie Beaulé, Louis-Philippe Boulet, Krystelle Godbout, David Price

A single-centre retrospective review of asthma and pregnancy outcomes after exposure to monoclonal antibody therapy for severe asthma

Hannah Joplin (Liverpool (Merseyside), United Kingdom), Amy G Nuttall, Seher Zaidi, Gareth Jones, Livingstone Chishimba, Hassan Burhan

Perceptions on home-administration of biologics in severe asthma: an international qualitative study.

Bertine Flokstra - De Blok (Groningen, Netherlands), Janwillem Kocks, Hans Wouters, Chantal Arling, Josh Chatelier, Jo Douglass, Liam Heaney, Joshua Holmes, Marc Humbert, Mary Kolanowski, Jeanet Landsman, Njira Lugogo, Alice Malpass, Jiska Meijer, Boyd Metz, Bibicha De Mul, Frank Postma, Marika Leving

Real-world effectiveness of anti-IL-5/5R therapy in severe eosinophilic asthma with comorbid bronchiectasis

Sarah Bendien (Den Haag, Netherlands), Hans Kroes, Anke-Hilse Maitland- Van Der Zee, Anneke Ten Brinke

RELight: A two-year REal-Life study of mepolizumab in patients with severe eosinophilic asthma in Greece: evaluating the multiple components of response

Maria Kallieri (Aspropyrgos, Greece), Eleftherios Zervas, Evangelia Fouka, Konstantinos Porpodis, Marija Hadji Mitrova, Eleni Tzortzaki, Michael Makris, Maria Ntakoula, Andriana I. Papaioannou, Panagiotis Lyberopoulos, Katerina Dimakou, Sofia Koukidou, Sevasti Ampelioti, Anastasia Papaportfyriou, Konstantinos Katsoulis, Maria Kipourou, Nikoleta Rovina, Katerina Antoniou, Stylianos Vittorakis, Petros Bakakos, Paschalis Steiropoulos, Katerina Markopoulou, Panteleimon Avarlis, Ilias C Papanikolaou, Miltiadis Markatos, Eleni Gaki, Konstantinos Samitas, Konstantinos Glynos, Spyros A. Papiris, Despoina Papakosta, Nikolaos Tzanakis, Mina Gaga, Konstantinos Kostikas, Stelios Loukides

Real-world effectiveness (RWE) of dupilumab in reducing healthcare resource utilization among moderate-to-severe asthma patients

Ajinkya Pawar (Cambridge, United States), Michael S. Blaiss, Brian D. Modena, Asif H. Khan, Lucia De Prado Gómez, Yi Zhang, Shahid Siddiqui, Juby A. Jacob-Nara

Real-life experience with biologic therapies in severe uncontrolled asthma

Marina Saad (Cesano Boscone, Italy), Francesca Mandurino Mirizzi, Giuseppe Fuccia, Alessandro Zuffi, Eleonora Maratta, Lisa Milani, Juan Camilo Signorello, Dejan Radovanovic, Pierachille Santus

Biologic therapies could prevent lung function decline in severe asthma: a 3 years real life observational study

Nicolas Bougard (Ougrée, Belgium), Florence Schleich, Anne-Noel Frix, Virginie Paulus, Françoise Guissard, Renaud Louis

The experience of dual biologic therapy in patients with eosinophilic asthma and autoimmune diseases

Andreas M. Matthaïou (Heraklion, Greece), Nikoleta Bizymi, Leo Ettronier, Eleni Bibaki, Jacques Morel, Nikolaos Tzanakis, Arnaud Bourdin, Katerina Antoniou

Impact of co-existing chronic rhinosinusitis on the effect of biological therapy in severe asthma - Danish nationwide cohort study

Joachim Bruun (København N, Denmark), Susanne Hansen, Christel Lajer, Truls Sylvan Ingebrigtsen, Charlotte Suppli Ulrik, Anne-Sofie Bjerrum, Anna Von Bülow, Claus Johnsen, Ole Hilberg, Sofie Lock Johansson, Karin Dahl Assing, Linda Rasmussen, Kjell Håkansson, Johannes Schmid, Marianne Søndergaard, Lycely Dongo, Celeste Porsbjerg

Severe asthma in obese patients: what to expect with Mepolizumab?

Ana Da Cunha Fonseca (Vila Nova de Gaia, Portugal), Daniela Machado, Ivone Pascoal, Inês Franco, Ricardo Lima

Decision outcomes following referral to a tertiary severe asthma service for MAb therapy.

Amy Nuttall (Liverpool, United Kingdom), Hannah Joplin, Catherine Lowe, Gareth Jones, Seher Zaidi, Hassan Burhan, Livingstone Chishimba

Heterogeneity in the use of biologics for severe asthma in Europe: a SHARP ERS study

Anne-Noëlle Frix (Liege, Belgium), Liam G Heaney, Barbro Dahlén, Florin Mihaltan, Svetlana Sergejeva, Daniel Doberer, Sanja Popović-Grle, Vratislav Sedlak, Lauri Lehtimäki, Arnaud Bourdin, Stephanie Korn, Eleftherios Zervas, Zsuzsanna Csoma, Dora Lúdvíksdóttir, Marcus Butler, Giorgio Walter Canonica, Ineta Grisle, Kristina Bieksiene, Anneke Ten Brinke, Piotr Kuna, Claudia Chaves Loureiro, Natalia Nenasheva, Zorica Lazic, Sabina Škrjat, David Ramos-Barbon, Joerg Leuppi, Bilun Gemicioğlu, Apostolos Bossios, Celeste M Porsbjerg, Elisabeth H Bel, Ratko Djukanovic, Renaud Louis

Real life benralizumab effectiveness in patients with severe eosinophilic asthma after a 24 month observation

Giulia Lo Muzio (Roma, Italy), Olimpia Calò, Cecilia Cisternino, Paola Scarano, Arianna Sanna, Francesca De Filippis, Alessia Steffanina, Maria Teresa Leporini, Paolo Palange, Elda Graziani

Impact of biological therapies in lung function in patients with severe asthma

Antonio Menéndez (Granada, Spain), Susana Rojo-Tolosa, Jose Antonio Sánchez-Martínez, Cristina Pérez-Ramírez, Gonzalo Jiménez-Gálvez, Alberto Jiménez-Morales, Concepción Morales-García

Burden of severe asthma by biologic use and eligibility: an analysis of the International Severe Asthma Registry

Trung Tran (Gaithersburg, United States), Tham Le, Clement Erhard, David Price, Ekaterina Maslova, Bill Cook, Anna Quinton, Rohit Katial, George C Christoff, Luis Perez-De-Llano, Victoria Carter, Trung N Tran

Therapeutic approach with mepolizumab (anti-IL-5) in a series of patients with eosinophilic granulomatosis with polyangiitis

Nikoleta Bizymi (Heraklion Crete, Greece), Andreas M. Matthaïou, Georgios Stathakis, Styliani Viziriannaki, Eleni Bibaki, Nikolaos Tzanakis, Katerina Antoniou

Real-world effectiveness of reslizumab in patients with severe eosinophilic asthma – “first initiators” and “switchers”

Simone Hashimoto (Amsterdam, Netherlands), Johannes A Kroes, Katrien Eger, Pearl Mau-Asam, Hendrik B Hofstee, Sarah A Bendien, Gert-Jan Braunstahl, Marielle E.A.C Broeders, Leonie M Imming, Bas Langeveld, Anke H. Maitland-Van Der Zee, Karen T.M Oud, Kornelis Wiebe Patberg, Frank W.J.M Smeenk, Elisabeth A.P. Romme, Maarten J Van Bezouw, Marjo J.T. Van De Ven, Anneke Van Veen, Edwin Van Velzen, Ilonka H.P.A.A Van Veen, Els J.M Weersink, Anneke Ten Brinke, Jacob K Sont, Elisabeth H Bel, R. A. P. S. O. D. I Team

Mepolizumab therapy in severe asthma – a study of long term efficacy and safety

Christopher Reilly (Birmingham, United Kingdom), Rajarajan Anandavelu, Julie Marsh, Julie Sullivan, Fiona O'Riordan, Sarah Cotterill, Lisa White, Adel Mansur

Dupilumab leads to sustained improvement of asthma control in real-life severe asthmatics.

Andreas Renner (Wien, Austria), Katharina Marth, Karin Patocka, Marco Idzko, Wolfgang Pohl

TP-9 Session 13:00 - 14:00

Thematic poster: Central sleep apnoea, hypoventilation and hypoxia in adults and children

Disease(s) : Sleep and breathing disorders

Method(s) : General respiratory patient care Physiology Pulmonary function testing Epidemiology Imaging

Chairs : Renaud Tamisier (Grenoble, France), Renata L. Riha (Edinburgh (Edinburgh), United Kingdom)

Registry on the treatment of central and complex sleep-disordered breathing with adaptive servo-ventilation (READ-ASV): cohort profile

Michael Arzt (Regensburg, Germany), Oliver Munt, Jean-Louis Pepin, Raphael Heinzer, Raphaela Kuebeck, Adam Benjafield, Holger Woehrle

Prevalence and risk factors of atrial fibrillation-Collective of the SERVE-HF Major Substudy

Christoph Fisser (Regensburg, Germany), Victoria Vaas, Lara Gall, Jannis Bureck, Joerg Priefert, Dominik Linz, Holger Woehrle, Helmut Teschler, Martin R Cowie, Michael Arzt

ECHOCARDIOGRAPHY MAY PREDICT TREATMENT EMERGENT CENTRAL SLEEP APNEA

Issraa EL WHADHANE (sfax, Tunisia), Sourour Abid, Aiman Ghrab, Amina Kotti, Amine Bahloul, Sameh Msaad, Samy Kammoun

Transcutaneous capnography usefulness in alveolar hypoventilation and titration in a sleep unit.

María Aguado Agudo (Zaragoza, Spain), Teresa Martín Carpi, Jorge Rodríguez Sanz, Laura Torralba

Outcome of Long Term Ventilation (LTV) following remote initiation and monitoring in patients with Chronic Hypercapnic Respiratory Failure (CHRF) during the SARS-CoV-2 pandemic.

seif Aldeen Mansour (sheffield, United Kingdom), Duncan Nicholson, Bethen Nicholson, Sara Downs, Akshay Dwarakanath

Factors affecting domiciliary non-invasive ventilation compliance

Anita Saigal (Chesham (Buckinghamshire), United Kingdom), Amar Shah, Katia Florman, Nitika Kaushal, Hiu Kwong, Akul Karoshi, Laura White, Ryan Walker, Yan Lin, Ho Juen, Nikesh Devani, Stephanie Mansell, Swapna Mandal

Prediction of Nocturnal Ventilation by Pulmonary Function Testing in Patients with Amyotrophic Lateral Sclerosis (ALS).

Friederike Tress (Magdeburg, Germany), Eva Luecke, Anke Lux, Jens Schreiber

Evaluation of polysomnography findings in children with genetic skeletal disorders

Nagehan Emiralioğlu (Ankara, Turkey), Halime Nayır Büyükaşahin, Pelin Ozlem Simsek Kiper, Birce Sunman, Ismail Güzelkaş, Didem Alboğa, Meltem Akgül Erdal, Koray Boduroglu, Gülen Eda Utine, Ebru Yalcin, Deniz Doğru, Nural Kiper, Ugur Ozelik

A home ventilation support programme for children: Seven years of experience in a newly established center in the Czech Republic

Tereza Dousova (Praha, Czech Republic), Anna Chmelarova, Vaclav Koucky, Vendula Martinu, Eva Fürstova, David Megvinet-Chucesov, Žofia Varenjiova, Petr Pohunek

Creating a bedtime reading book for children starting on non-invasive ventilation

Meg Ruecroft (Wirral, United Kingdom), Liam Durkin, Ruth Trinick, Lyndsey Carlson

Global Field Safety Notice (FSN) – a tertiary paediatric respiratory unit's experience.

Susan Keogh, Fiona Ringholz, Ruth O'Reilly, Des Cox, Lisa Farrell, Fiona Healy, Dubhfeasa Slattery, Michael Williamson, Peter Greally, Basil Elnazir, Sheila Javadvpour

Does cardiorespiratory polygraphy have a role in non-ventilated children with SMA?

Sidrah Chaudhry (London, United Kingdom), Aidan Lavery, Francois Abel, Martin Samuels

Oxygen desaturation indices as a predictor for obstructive sleep apnoea in children

Supriya Shinde (Bangalore, India), Anna Selby, Ross Langley, Elise Buchan, Calum Presslie, Julia MCGovern, Matthew Davies, Martin Samuels, Ruth Kingshott, Catherine Hill, Hazel Evans

Estimation of the apnoea-hipopnoea index from the oxyhaemoglobin desaturation index at 3%: proposition of a simple linear regression model

Miguel Lorente González (Madrid, Spain), Eva María Arias Arias, Jesús Muñoz Méndez, Sofia Valeria Yerovi Onofre, Javier Collada Carrasco, Annette Zevallos Villegas, Isabel Pina Máiquez, Trinidad Díaz Cambriles

Sleep and blood pressure while staying for 10 months at the Concordia Station (3233m), Antarctica

Michael Furian (Zürich, Switzerland), Paul Robach, Sébastien Baillieul, Stephane Doutreleau, Pierrick Arnal, Samuel Verges

The effect of transcutaneous submental electrical stimulation on the blood pressure response in healthy volunteers

ABDULAZIZ ALSHARIFI (london, United Kingdom), Niamh Carter, Irampaye Akbar, Miquel Serna Pascual, Michael Cheng, Martino Pengo, Gianfranco Parati, Gerrard Rafferty, Joerg Steier

Late Breaking Abstract - Analysis of impact on Pittsburgh sleep quality index in a wide spread of central sleep apnoea (CSA) treated with adaptive servo ventilation (ASV): 6-month follow-up FACIL-VAA study results.
Renaud Tamisier (Grenoble, France), Carole Philippe, Arnaud Prigent, Christelle Charley-Monaca, Jean Pierre Mallet, Thibault Gentina, Frédéric Gagnadoux, Claire Launois, Marie Pia D'Ortho, Toufik Didi, Tiphaine Guy, Frédéric Goutorbe, Christophe Perrin, Sandrine Pontier-Marchandise, Jean Louis Pépin, Jean Claude Meurice

TP-18

Session

13:00 - 14:00

Thematic poster: Best abstracts from psychologists and behavioural scientists

Disease(s) : Airway diseases Respiratory critical care Interstitial lung diseases Pulmonary vascular diseases Sleep and breathing disorders Thoracic oncology

Method(s) : General respiratory patient care Pulmonary function testing Pulmonary rehabilitation Palliative care Public health Physiology Imaging Epidemiology

Chairs : Ingeborg Farver-Vestergaard (Vejle, Denmark), Eleonora Volpato (Milano (MI), Italy)

Pilot of a therapist-guided internet-delivered cognitive behavioral therapy intervention for anxiety and depression (eHealth CF-CBT) in Dutch adults with cystic fibrosis

Marieke Verkleij (Amsterdam, Netherlands), Anna Georgiopoulou, Heleen Barendrecht, Deborah Friedman

Using The Activity Barometer (TAB) to assess patient participation in diagnostic consultations

Jannie Frølund (Vejle, Denmark), Ingeborg Farver-Vestergaard, Helle Poulsen, Ole Hilberg, Anders Løkke

Asthma expectations predict symptoms over time: a longitudinal cohort study

Eleonora Volpato (Milano (MI), Italy), Francesco Pagnini, Valentina Poletti, Cesare Cavalera, Francesca Graziano, Francesca Spina, Paolo Banfi

Smoking cessation support in a hospital-based healthcare setting: the provider perspective

Ingeborg Farver-Vestergaard (Vejle, Denmark), Peter Hjorth, Anders Løkke

Neural processing of respiratory sensations during resistive load-induced dyspnea in patients with COPD

Lucas Vanden Bossche (Leuven, Belgium), Ysys Denutte, Thomas Reijnders, Paul W. Davenport, Wim Janssens, Thierry Troosters, Andreas Von Leupoldt

Relationship between COVID-19 consequences and subjective distress 6 months after hospitalization

Anna Boros (Warszawa, Poland), Magdalena Martusewicz-Boros, Piotr Boros, Andrzej Nowak

Patterns of psychological conditions presenting to a severe asthma psychology service

Hanan Hussein (Birmingham, United Kingdom), Jodie Fellows, Julie Marsh, Ali Bahron, Adel Mansur

What do people with asthma think about switching to a more environmentally friendly inhaler?

Grainne d'Ancona (London, United Kingdom), Khansa Sethi, Natalie Holman, Myfanwy Morgan, Lottie Renwick, Andrew Cumella, Samantha Walker, John Weinman

Posttraumatic-stress disorder, and others psychological impairment in COVID-19 surviving patients.

Vicente Baltazar-Chávez (México, Mexico), Guadalupe Lizzbett Luna Rodríguez, Viridiana Peláez-Hernández, Arturo Orea-Tejeda, Celia Deyanira Ledesma-Ruiz, Fernando Casarín-López, Adrián Rosas-Trujillo, Norma Camacho-Mendoza

Effects of a brief behavioural cognitive e-therapy for emotional alterations, and inflammation in COVID-19 survivors.

Vicente Baltazar-Chávez (México, Mexico), Viridiana Peláez-Hernández, Guadalupe Lizzbett Luna Rodríguez, Benjamin Domínguez-Trejo, Dulce Carolina Rodríguez-Lozano, David Alberto Rodríguez-Medina, Li Erandi Tepepa-Flores, Adrián Rosas-Trujillo, Fernando Casarín-López, Celia Deyanira Ledesma-Ruiz

Heart rate variability in post-COVID-19 patients with different anxiety levels.

Vicente Baltazar (, Mexico), Viridiana Peláez-Hernández, Fernando Casarín-López, Celia Deyanira Ledesma-Ruiz, Arturo Orea-Tejeda, Adrián Rosas-Trujillo, Norma Camacho-Mendoza

Sleep disturbances in post-Covid patients as a function of sex.

Celia Ledesma (CDMX, Mexico), Viridiana Peláez-Hernández, Lizzbeth Luna-Rodríguez, Fernando Casarín-López, Adrian Rosas-Trujillo, Norma Camacho-Mendoza, Vicente Baltazar-Chávez, Arturo Orea-Tejeda

Comparable neural gating of respiratory sensations during increasing dyspnea across different qualities of dyspnea

Ysys Denutte (Leuven, Belgium), Tristan Holk, Wim Janssens, Thierry Troosters, Andreas Von Leupoldt

Cognitive alterations in COVID-19 survivors with and without invasive mechanical ventilation during hospital stay.

Fernando Casarín López (Mexico City, Mexico), Viridiana Peláez Hernández, Guadalupe Lizzbett Luna Rodríguez, Arturo Orea Tejeda, Celia Deyanira Ledesma Ruiz, Adrian Rosas Trujillo, Vicente Baltazar Chávez, Norma Camacho Mendoza

Pain, fatigue and psychological sequelae in patients surviving COVID-19: results from a prospective observational controlled study

Sarah Elizabeth O'Donnel (, Italy), Giuseppe Croce, Francesca Mandurino Mirizzi, Elisa Franceschi, Walid Karimeh, Fabio Giuliani, Dejan Radovanovic, Pierachille Santus

Psychological affectation in surviving patients of COVID-19, consideration of the use of invasive mechanical ventilation.

Adrian Rosas Trujillo (CDMX, Mexico), Vicente Baltazar Chávez, Viridiana Peláez Hernández, Arturo Orea Tejada, Celia Deyanira Ledesma Ruíz, Fernando Casarín López, Norma Camácho Mendoza, Guadalupe Lizzbett Luna Rodríguez

Cognitive impairment as a sequel to SARS-CoV-2 infection.

Adrian Rosas Trujillo (CDMX, Mexico), Fernando Casarín López, Vicente Baltazar Chávez, Viridiana Peláez Hernández, Arturo Orea Tejada, Celia Deyanira Ledesma Ruíz, Guadalupe Lizzbett Luna Rodríguez, Norma Camácho Mendoza

Technology-supported shared decision-making in chronic conditions: preliminary results of a systematic review

Roswita Vaseur (Enschede, Netherlands), Eline Te Braake, Tessa Beinema, Wendy Oude Nijeweme - D'Hollosy, Monique Tabak

Late Breaking Abstract - Provision of mental health care to healthcare workers during COVID-19: A call for the practice of vulnerability

Jacqueline Hoare (Cape Town, South Africa)

TP-17

Session

13:00 - 14:00

Thematic poster: COVID-19: highlights of respiratory physiotherapy and rehabilitationDisease(s) : **Airway diseases** **Respiratory critical care** **Sleep and breathing disorders** **Interstitial lung diseases**

Method(s) : General respiratory patient care Pulmonary rehabilitation Physiology Pulmonary function testing Epidemiology Public health

Chairs : Chris Burtin (Diepenbeek, Belgium), Agnieszka Lewko (Coventry, United Kingdom)

Reliability of three functional tests via remote assessment for Post-Covid-19 patients

Aspasia Mavronasou (Megara, Attica, Greece), Andreas Asimakos, Vassilis Vlahakos, Paraskevi Katsaounou, Eleni Kortianou

Improved peak exercise performance after 12 weeks of pulmonary rehabilitation in patients post COVID-19

Thierry Troosters (Leuven, Belgium), Sephanie Everaert, Iris Coosemans, Lode Claes, Heleen Demeyer, Tim Vanhoutte, Lies Glorie, Natalie Lorent, Wim Janssens

Effect of pulmonary rehabilitation on functional capacity and emotional status in patients with long COVID-19 syndrome: an interim analysis

Nikolaos Chynkiamis (Ilion, Greece), Angelos Vontetsianos, Christina Anagnostopoulou, Zoe Sotiropoulou, Stavrina Zaneli, Foteini Karakontaki, Ioannis Vogiatzis, Antonia Koutsoukou, Nikolaos Koulouris

Effect of a self-managed home-based rehabilitation programme for the reduction of dyspnea in non-hospitalised subjects with post-COVID-19 condition: a pilot study

Simone Salvitti (Martignacco, Italy), Angela Doretto, Cristina Verrone, Louise Marin

Functional independence, exercise capacity and desaturation during exercise after non-critical covid-19: Short and medium-term impacts

Laura Neves (Belém (PA), Brazil), Soany Cruz, Eder Gabriel Ferreira, Luiz Fábio Falcão, Saul Carneiro

Additive effects of rehabilitation on natural recovery of functional capacity post COVID-19.

Andreas Asimakos (Athens, Greece), Stavroula Spetsioti, Ioannis Vogiatzis, Aspasia Mavronasou, Pandelis Gounopoulos, Dimitra Sioussioura, Efi Dima, Niki Ganiou, Ioanna Sigala, Spyros Zakyntinos, Anastasia Kotanidou, Paraskevi Katsaounou

Does virtual group treatment improve symptoms of breathlessness in the post COVID-19 patient population?

Rebecca Gore (Rochester, United Kingdom), Lauren Williamson, Terence Elliott-Cooper, Katerina Roze, Gita Ramdharry, Melissa Heightman, Toby Hillman, Rebecca Livingston

The effects of COVID-19 infection on respiratory muscle strength and trunk muscle endurance in healthy individuals

Ildeniz Yalniz (Istanbul, Turkey), Mehmet Alperen Pekdas, Elif Develi, Yasar Keskin

THE EFFECT OF STRENGTHENING AND RELAXATION EXERCISES ON PAIN, ANXIETY AND SLEEP QUALITY IN PEOPLE WITH COVID-19

Seda Saka (Istanbul, Turkey), Berat Keskin

Clinical profile, symptomatology and sequelae of long-COVID patients

Laura Lopez Lopez (Granada, Spain), Irene Cabrera Martos, Irene Torres Sánchez, Javier Martín Núñez, Alejandro Heredia Ciuró, Marie Carmen Valenza

Physical and respiratory function of people following hospital discharge for COVID-19

Isis Grigoletto (Pirapozinho, São Paulo, Brazil), Fabiano Francisco De Lima, Rafael Mesquita, Paloma Borges, Matheus André Pedroso, Beatriz Da Silva Coutinho, Karina Marcela Morro Pozo, Vinicius Cavalheri, Ercy Mara Cipulo Ramos

Comparison of clinical aspects according to the Post Covid Functional Status Scale in patients after COVID-19.

Rodrigo Torres Castro (Barcelona, Spain), Vicente Benavides Córdoba, Diana Guerrero-Jaramillo, Juan Carlos Ávila-Valencia, Jhonatan Betancourt-Peña

Implementation of pulmonary rehabilitation in post-COVID19 in Latin America: 18 months later.

Rodrigo Torres Castro (Barcelona, Spain), Vicente Benavides Córdoba, Marisol Barros-Poblete, Rodolfo P Vieira, Guillermo Mazzucco, Guilherme Fregonezi

Physical therapists' opinions on the effect of the COVID-19 pandemic on physical therapy management in government and private hospitals in Thailand: Preliminary results of a survey

Sauwaluk Dacha (Chiang Mai, Thailand), Busaba Chuatrakoon, Arisa Parameyong, Chanoknun Chalermboon, Nuttanicha Thumpunya

Physical activity, sleep quality and factors associated with the work ability of front line physical therapists against COVID-19

Laura Neves (Belém (PA), Brazil), William Rafael Almeida Moraes, Sinara Mendes Campelo

Functionality in healthcare workers with COVID-19 in Cali (Colombia)

Lina Marcela Orozco Mejia (Cali, Colombia), Diana Guerrero Jaramillo, Francia Torres, Julian Rivera Motta, Vicente Benavides Córdoba

Pulmonary telerehabilitation in patients with chronic respiratory diseases during the pandemic by COVID-19 in Argentina. A multicenter observational study.

Santiago Larrateguy (Paraná, Argentina), Guillermo Mazzucco, Silvina Dell'era, Rodrigo Torres-Castro, Nicolas De Carlo, Gonzalo Turon, Belen Quiroz, Belen Santa Cruz, Florencia Fernandez, Carla Viola, Marcelo Alvarez, Anabella Cerda, Claudio Gonzalez, Laura Fragoso, Analia Resguardo, Janina Lebus, Rita Lantschsner, Walter Schweimer, Laura Carrizo

Physiotherapy outcomes for treating breathing pattern disorder during the COVID-19 pandemic

Claire Somerton (Manchester, United Kingdom), Rebecca Barnes, Nicola Pott, Reyenna Sheehan, Emmeline Maidment-Fullard, Jayne Ellison, Siobhan Ludlow, Stephen Fowler

Late Breaking Abstract - Twenty months follow-up in non-hospitalised adults with post COVID-19 condition: a preliminary longitudinal cohort study

Anna Törnberg (Bromma, Sweden), Anna Svensson-Raskh, Elisabeth Rydwik, Mikael Björnsson, Michael Runold, Judith Bruchfeld, Malin Nygren-Bonnier

13:00-14:00

INDUSTRY LUNCHTIME SYMPOSIUM

SEE PAGE 1

13:00-14:00

INDUSTRY VIRTUAL SYMPOSIUM

SEE PAGE 1

14:00-14:45

INDUSTRY SKILLS LAB WORKSHOP

SEE PAGE 1

8H (live-streamed)

Session

14:15 - 15:45

Symposium: Interstitial lung diseases in connective tissue diseases: patient's journey from diagnosis and new treatment strategies to transplantation

Aims : to update attendees about the management of interstitial lung diseases (ILDs) associated with connective tissue diseases (CTD-ILDs), which has recently evolved with the increasing numbers of prescription for antifibrotics in addition to immunosuppressive drugs; to provide an update about diagnostic practice and assess the adjunctive value of a multidisciplinary approach to diagnosis; to describe therapeutic strategies and analyse the timing and contraindications of lung transplant referral as well as post-transplant management and outcomes; to discuss novel insights into the diagnostic procedure and the implication of genetics.

Disease(s) : Interstitial lung diseases Pulmonary vascular diseases Respiratory critical care**Method(s) :** General respiratory patient care Pulmonary function testing Transplantation**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Nurse, Respiratory critical care physician, Radiologist, Thoracic surgeon, Respiratory therapist**Chairs :** Federica Meloni (Pavia (PV), Italy), Tobias Welte (Hannover, Germany)**14:15 Utility of genetic assessment of patients with CTD-ILDs**
Antoine Froidure (Bruxelles, Belgium)**14:30 CTD-ILDs: diagnosis and new treatment strategies up to transplantation**
Bruno Crestani (Paris, France)**14:45 What are the main challenges when a CTD-ILD patient is referred for lung transplantation?**
Jose Manuel Cifrian Martinez (Santander (Cantabria), Spain)**15:00 New trends in treatment of myositis-associated ILD**
Ingrid Lundberg (Stockholm, Sweden)**15:15 Discussion and Q&A****8A (live-streamed) Session 14:15 - 15:45****Symposium: Evolving questions in chronic obstructive pulmonary disease management****Lessons from pathophysiology to epidemiology****Aims :** to ask challenging questions faced every day when managing patients with chronic obstructive pulmonary disease (COPD); to inform clinicians and researchers about the latest updates concerning diagnosis, management and assessment of COPD covering four areas, namely, the role of eosinophils, the pathophysiology of a disease exacerbation, the relevance of mortality endpoints and the assessment of COPD patients for comorbidities; to interpret and elaborate on recent findings of clinical trials and their relevance to patient practice.**Disease(s) :** Airway diseases**Method(s) :** Cell and molecular biology Epidemiology Imaging**Tag(s) :** Translational**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist**Chairs :** Omar S. Usmani (London, United Kingdom), Ayşe Arzu Yorgancıoğlu (Konak, Turkey), Daiana Stolz (Basel, Switzerland)**14:15 Understanding the role of eosinophilic COPD management: are clinical trial data ready for application in everyday clinical care?**
Mona Bafadhel (London, United Kingdom)**14:30 What is the best definition of an exacerbation in COPD patients to help demystify clinical trial data?**
Alberto Papi (Cona, Ferrara, Italy)**14:45 Mortality and mortality assessment in COPD: is it possible to apply clinical trial data in everyday patient practice?**
Dave Singh (Manchester, United Kingdom)**15:00 Should all patients with COPD undergo body plethysmography, echocardiograms and computed tomography lung scans?**
MeiLan K. Han (Ann Arbor, United States)**15:15 Discussion and Q&A****8G (live-streamed) Session 14:15 - 15:45****Symposium: Utilising exercise testing in pre-operative assessment, rehabilitation and exercise prescription****Aims :** to provide an overview of the different exercise modalities available to assess exercise capacity, assessment of exercise prescription and rehabilitation; to provide an overview of how exercise testing can be used to assess pre-operative risk and its utility in determining the most appropriate peri-operative care; to describe the importance of activity in healthy adults and patients; to demonstrate how to effectively provide an exercise prescription; to provide attendees with a global understanding of the importance of exercise and how to utilise it in their everyday practice for the benefit of patients.

Disease(s) : Airway diseases**Method(s) :** Physiology Pulmonary rehabilitation Surgery**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Thoracic surgeon, Journalist**Chairs :** Pierantonio Laveneziana (Paris, France), Jellien Makonga-Braaksma (Woudenberg, Netherlands)**14:15 Patient's testimony**
Carlos Alberto dos Anjos de Sousa (, Portugal)**14:20 Modalities available to assess the exercise response and exercise rehabilitation**
Sally J. Singh (Leicester (Leicestershire), United Kingdom)**14:35 Utilising the cardio-pulmonary exercise test to assess peri-operative risk**
Sandy Jack (Liverpool (Merseyside), United Kingdom)**14:50 The health-related benefits of increased exercise and activity**
Hayley Lewthwaite (Montreal (QC), Canada)**15:05 Exercise prescription in health and disease**
Michael Welsch (Jackson, United States)**15:20 Discussion and Q&A****8M Session 14:15 - 15:30****Oral presentation: Advances in cystic fibrosis research****Disease(s) :** Airway diseases**Method(s) :** Cell and molecular biology General respiratory patient care Physiology Epidemiology Pulmonary function testing**Chairs :** Susan Madge (London, United Kingdom), Felix C. Ringshausen (Hannover, Germany)**Early-infection Pseudomonas aeruginosa isolates from Cystic Fibrosis patients have high levels of LasB elastase activity**

Agustina Llanos (Labège, France), Pauline Achard, Clarisse Lozano, Justine Bousquet, Magdalena Zalacain, Hélène Guet-Revillet, Marlène Murriss-Espin, Marie Mittaine, Martin Everett

Real-world effects of lumacaftor/ivacaftor (LUM/IVA) in people with cystic fibrosis (pwCF): final results of a long-term safety study using US CF Foundation Patient Registry and UK CF Patient Registry data

Claire Kim (Boston, United States), Simon Tian, Rachel Zahigian, Alexander Elbert, Susan C. Charman, Siobhán Carr, Dilip Nazareth

Triple CFTR modulator therapy is associated with improved endocrine pancreatic function in patients with cystic fibrosis

carolin steinack (Zürich, Switzerland), Thomas Gaisl, Felix Beuschlein, Schuurmans Macé Matthew, Matthias Ernst

The effect of triple therapy cystic fibrosis transmembrane conductance regulator (CFTR) modulation on anxiety in people with cystic fibrosis

Orla O'Carroll (Dublin 4, Ireland), Catherine Mc Keown, Jack Bell, Trevor Nicholson, Charles Gallagher, Edward Mc Kone

Elxacaftor tezacaftor ivacaftor therapy alters plasma sphingolipid profiles in people with cystic fibrosis

Dirk Westhölter (Essen, Germany), Fabian Schumacher, Nuria Wülfinghoff, Sivagurunathan Sutharsan, Svenja Strassburg, Burkhard Kleuser, Peter A Horn, Sebastian Reuter, Erich Gulbins, Christian Taube, Matthias Welsner

Impacts of air pollution on the pulmonary morbidity of Cystic Fibrosis: an experimental study

Marion Blayac (Créteil, France), Céline-Hivda Yegen, Elie Al Marj, Mathieu Cazaunau, Antonin Bergé, Rachid Souktani, Patrice Coll, Sophie Lanone

Modelling the behaviour of the mucus layer in the small airways

James Shemilt (Manchester, United Kingdom), Alexander Horsley, Oliver Jensen, Alice Thompson, Carl Whitfield

Discussion**8L Session 14:15 - 15:30****Oral presentation: Innovations in noninvasive respiratory support**

Disease(s) : Sleep and breathing disorders Respiratory critical care Airway diseases

Method(s) : General respiratory patient care Imaging Physiology Respiratory intensive care Pulmonary function testing

Chairs : Peter J. Wijkstra (Groningen, Netherlands), Eui-Sik Suh (Beckenham (Kent), United Kingdom)

NIV@Home: A pilot randomised controlled trial comparing home-based versus day admission models of NIV implementation

David Berlowitz (Melbourne (VIC), Australia), Nicole Sheers, Mark Howard, Liam Hannan, Linda Rautela, Marnie Graco, Sarah Retica

High-flow nasal cannula (HFNC) at home as an alternative therapy in children in Spain

Ana Díez Izquierdo (Barcelona, Spain), Alba Torrent-Vernetta, Maria Morillo-Soriano, Marta Balsells-Costa, Ignacio Iglesias-Serrano, Sandra Rovira-Amigó, Ines De Mir-Messa, Silvia Gartner, Antonio Moreno-Galdó

Monitoring COVID-19 pneumonia undergoing non-invasive respiratory support (NIRS), correlation between oscillometric reactance and Thoracic CT

Chiara Torregiani (Trieste (TS), Italy), Chiara Veneroni, Elisa Baratella, Antonio Segalotti, Stefano Tavano, Giulia Lapadula, Chiara Bozzi, Barbara Ruaro, Marco Confalonieri, Raffaele Lorenzo Dellacà

Development and preliminary validation of automatic detection of patient-ventilator asynchrony during non-invasive ventilation using matrix profiles

David Berlowitz (Melbourne (VIC), Australia), Muhammad Juliandri, Uwe Aicklin, Goce Ristanoski, Liam Hannan, Nicole Sheers, Mark Howard

Discussion

8N

Session

14:15 - 15:30

Oral presentation: Clinical utility of thoracic ultrasound: new trends

Disease(s) : Pulmonary vascular diseases Thoracic oncology Airway diseases

Method(s) : Imaging Respiratory intensive care Surgery

Chairs : Eihab Bedawi (Oxford (Oxfordshire), United Kingdom), Rahul Bhatnagar (Bristol, United Kingdom)

Focused lung ultrasound to predict respiratory failure in patients with symptoms of COVID-19. A multicentre prospective cohort study.

Søren Helbo Skaarup (Aarhus C, Denmark), Rasmus Aagaard, Stig Holm Ovesen, Jesper Weile, Hans Kirkegaard, Caroline Espersen, Mats Christian Højbjerg Lassen, Kristoffer Grundtvig Skaarup, Stefan Posth, Christian Laursen, Ask Bock, Michael Dan Arvig, Tor Biering-Sørensen

Diaphragm dysfunctions among patients recovered from COVID

Vijay Hadda (New Delhi (Delhi), India), Arafat Hussain, Tejas Suri, Saurabh Mittal, Karan Madan, Anant Mohan

Area method for measuring diaphragm movement in patients with unilateral pleural effusion.

Katrine Fjællegaard (Farum, Denmark), Jesper Koefod Petersen, Søren Skaarup, Paul Frost Clementsen, Christian B. Laursen, Rahul Bhatnagar, Uffe Bodtger

A crossover comparison of telerobotic and conventional ultrasonography in children

Celine Delestrain (Creteil, France), Catherine Belozertseva, Camille Jung, Mickael Shum, Carine Vastel, Emilie Georget, Fouad Madhi, Ralph Epaud

Lung ultrasound score for pediatric pneumonia surveillance

Ioana Mihaela Ciuca (Timisoara (Timis), Romania), Monica Steluta Marc, Mihaela Dediu, Diana Popin, Pop Liviu

Comparison between endoscopic and ultrasonographic evaluation of subglottic stenoses

Chiara Rocchetti (Brescia, Italy), Guido Levi, Roberto Magri, Mauro Novali, Federico Quadri, Damiano Bottone, Silvia Uccelli, Giulia Palmiotto, Giampietro Marchetti, Michela Bezzi, Laura Pini

Diagnostic accuracy of a bespoke multiorgan ultrasound approach in suspected pulmonary embolism

Casper Falster (Odense, Denmark), Gro Egholm, Rune Wiig, Mikael Poulsen, Jacob Møller, Stefan Posth, Mikkel Brabrand, Christian Laursen

Lung ultrasound reduces X-ray after major lung resection – observational study

Marek Malík (Martin, Slovakia), Anton Dzian, Michaela Matejová, Martin Števík, Marián Grendár, Miroslav Jaščur, Marek Bundzel, František Babič

Routine neck ultrasound and lymph node sampling by respiratory physicians in patients with thoracic disease – a prospective study

Basma El-Shaarawy (Alexandria, Egypt), Ahmed El Hefny, Heba Gharraf, Maged Hassan

Discussion

8C (live-streamed)

Session

14:15 - 15:45

Clinical trials session: ALERT 3: COVID and interstitial lung diseases

Aims : Including the ALERT sessions (Abstracts Leading to Evolution in Respiratory Medicine Trials), these formats showcase important and very late-breaking clinical trial data from all respiratory disease areas. Presenters, session chairs and viewers will take part lively discussions on the presented trials.

Disease(s) : [Interstitial lung diseases](#) [Respiratory critical care](#) [Airway diseases](#)

Method(s) : General respiratory patient care Respiratory intensive care Cell and molecular biology

Tag(s) : Clinical

Chairs : El bieta Magdalena Grabczak (Warszawa, Poland), Chair to be confirmed

Discussants : Discussant to be confirmed

RCT Abstract - Phase 3 RCT of C5a-Specific Vilobelimab in Severe COVID-19 Pneumonia

Alexander P.J. Vlaar (Amsterdam, Netherlands), Alexander P.J. Vlaar, Greet Hermans, Martin Witzzenrath, Pieter Van Paassen, Leo Heunks, Bruno Mourvillier, Sanne De Bruin, Endry Lim Lim, Michael Piagnerelli, Antoine Roquilly, Jean-Baptiste Lascarrrou, Michael Bauer, Carole Schwebel, Matthijs Brouwer, Pieter Tuinman, Tobias Welte, Gernot Marx, Ulrich Jaschinski, Alexander Cornet, Anastasia Grebenyuk, Philippe Jorens, Simon Rückinger, Korinna Pilz, Claus Thielert, Dorothee Neukirchen, Lisa Ruckerbauer, Bruce Burnett, Renfeng Guo, Diederik Van De Beek, Niels Riedemann

RCT Abstract - A randomised controlled trial of early intervention with oral favipiravir in patients hospitalised with COVID-19 (PIONEER Trial)

Christopher M Orton (London, United Kingdom), Pallav L Shah, Beatriz Grinsztejn, Gavin C Donaldson, Brenda Crabtree Ramirez, James Tonkin, Breno R Santos, Sandra W Cardoso, Andrew I Ritchie, Francesca Conway, Maria P D Riberio, Dexter J Wiseman, Anand Tana, Bavithra Vijayakumar, Cielito Caneja, Craig Leaper, Bobby Mann, Anda Samson, Pankaj K Bhavsar, Marta Boffito, Mark R Johnson, Anton Pozniak, Michael Pelly

RCT Abstract - Dipeptidyl Peptidase-1 Inhibition in Patients Hospitalized with COVID-19: a Multicentre Randomized Double-Blind Placebo Controlled Trial

Holly R. Keir (Dundee (Angus), United Kingdom), Merete B. Long, Hani Abo-Leyah, Yan H. Giam, Thenmalar Vadiveloo, Thomas Pembroke, Rebecca C. Hull, Lilia Delgado, Margaret Band, Fiona McLaren-Neil, Simon Adamson, Eva Lahnsteiner, Amy Gilmour, Chloe Hughes, Benjamin Jm. New, David Connell, Rebecca Dowey, Helena Turton, Hollian Richardson, Diane Cassidy, Jamie Cooper, Jay Suntharalingam, Lavanya Diwakar, Peter Russell, Jonathan Underwood, Alexander Hicks, Davinder Ps Dosanjh, Beth Sage, Devesh Dhasmana, Mark Spears, Aa Roger Thompson, Christopher Brightling, Andrew Smith, Manish Patel, Jacob George, Alison M Condliffe, Amelia Shoemark, Graeme MacLennan, James D Chalmers

RCT Abstract - SPRINT: A Randomized, Double-Blind, Placebo-Controlled, Phase 3 Trial to Determine the Efficacy and Safety of Inhaled Interferon Beta-1a (SNG001) for the Treatment of Patients Hospitalised Due to COVID-19 (NCT04732949)

Phillip D Monk (Southampton (Hampshire), United Kingdom), Jody Brookes, Victoria Tear, Toby Batten, Marcin Mankowski, Stephen Holgate, Ratko Djukanovic, Tom Wilkinson

Wrap-up by discussant and discussion**Late Breaking Abstract - Randomized, Double Blinded, Placebo-Controlled, Phase 2 Study of Safety, Tolerability and Efficacy of Pirfenidone in Patients with Rheumatoid Arthritis Interstitial Lung Disease**

Ivan Rosas (Houston, United States), Joshua Solomon, Sonye Donoff, Felix Woodhead, Ganesh Raghu, Goldberg Hilary, Trail Network Investigators

Nintedanib in children and adolescents with fibrosing interstitial lung disease: the InPedILD trial

Robin Deterding (Aurora, United States), Lisa R Young, Emily M Deboer, David Warburton, Steven Cunningham, Nicolaus Schwerk, Kevin R Flaherty, Kevin K Brown, Mihaela Dumistracel, Elvira Erhardt, Julia Bertulis, Martina Gahlemann, Susanne Stowasser, Matthias Griesse

Wrap-up by discussant and discussion

Speaker to be confirmed

Closing remarks

8B (live-streamed)

Session

14:15 - 15:45

State of the art session: Pulmonary vascular diseases

Pulmonary hypertension in pulmonary disease

Aims : to summarise the vast progress that has been made in understanding and treatment of pulmonary hypertension related to underlying lung disease in recent years; to discuss the biology and epigenetic causes of pulmonary hypertension, and how this information may help to develop novel treatments; to provide an update about recent trials in pulmonary hypertension; to provide novel insights into the pulmonary vascular nature of low DLCO-related pulmonary hypertension.

Disease(s) : Interstitial lung diseases Pulmonary vascular diseases Respiratory critical care**Method(s) :** Imaging Physiology Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Respiratory critical care physician, Patient, Scientist (basic, translational)**Chairs :** Anton Vonk Noordegraaf (Amsterdam, Netherlands), Silvia Ulrich (Zurich, Switzerland)**14:15 The origin and consequence of pulmonary hypertension in patients with lung-related disease**
Joan Albert Barberà Mir (Barcelona, Spain)**14:30 Pulmonary hypertension in patients with autoimmune disease**
Marc Humbert (Le Kremlin-Bicêtre, France)**14:45 Failures and successes in treatment of pulmonary hypertension in patients with interstitial lung disease: past, present and future**
Aaron Waxman (Boston, United States)**15:00 Low DLCO in patients with pulmonary arterial hypertension: a different vascular phenotype?**
Esther Jeritza Nossent (Amsterdam, Netherlands)**15:15 Discussion and Q&A****Studio Session 14:15 - 15:15****Online skills lab: Respiratory sleep disorders: from diagnosis to management**
CPAP to NIV, objective tests, and type 3 monitors**Aims :** to demonstrate how to choose the optimal diagnostic monitoring tool for sleep and breathing (polysomnography, type III device and telemonitoring) in patients with sleep-disordered breathing; to discuss the characteristics and indications of different positive airway pressure/noninvasive ventilation modes for various types of sleep-disordered breathing and hypoventilation; to demonstrate a practical approach for the use of different positive airway pressure modes in patients with obesity hypoventilation syndrome.**Chairs :** Sophia E. Schiza (Heraklion, Greece), Winfried J. Randerath (Solingen, Germany)**14:15 Introduction****14:20 Choosing the best diagnostic monitoring tool for SDB patients**
Yüksel Peker (Istanbul, Turkey)**14:35 Different PAP/NIV modes for SDB and hypoventilation**
Dries Testelmans (Leuven, Belgium)**14:50 PAP treatment of obesity hypoventilation syndrome**
Marta Susana Monteiro Drummond Freitas (Maia, Portugal)**15:05 Conclusions and Q&A****8F Session 14:15 - 15:30****Science slam: Science slam****Aims :** A science slam is a scientific talk where four scientists (abstract authors) present their own scientific research work in 10 minutes. The focus lies on teaching current science to a diverse audience in an entertaining way. The presentation is judged by the audience.**Chairs :** Amanda Oliver (Cambridge, United Kingdom), Alberto Maria Marra (Heidelberg, Germany)**8D Session 14:30 - 16:50****Skills workshop: SW6 Cardiopulmonary rehabilitation beyond the basics****Aims :** To describe diagnostic methods and interventions that enhance the comprehensiveness of cardiopulmonary rehabilitation programmes and contribute to a more patient-tailored approach; to describe methods of assessing physical activity level in patients referred for cardiopulmonary rehabilitation and methods of providing cognitive behavioural therapy to promote physical activity; to describe neuromuscular electrical stimulation and the patients referred for cardiopulmonary rehabilitation who could benefit from this treatment; and to describe the incorporation of mindfulness-based interventions into cardiopulmonary rehabilitation and their outcomes.

Disease(s) : Airway diseases**Method(s) :** Pulmonary rehabilitation**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Respiratory therapist, Medical Student, Medical Technical Assistant, Nurse, Patient, Physician in Pulmonary Training, Journalist, Physiologist, Respiratory physiotherapist**Chairs :** Alice Malpass (Bristol, United Kingdom)**14:30 Introduction****14:30 Physical activity assessment and intervention**
Chris Burtin (Diepenbeek, Belgium)**14:30 Neuromuscular electrical stimulation**
Anouk W. Vaes (Horn, Netherlands)**14:30 Frailty assessment and intervention**
Roberto Benzo (Rochester, United States)**14:30 Mindfulness interventions during cardiopulmonary rehabilitation**
Ingeborg Farver-Vestergaard (Vejle, Denmark)**Studio Session 15:30 - 16:00****Guidelines session: Guidelines on severe community acquired pneumonia**
ERS/ESICM/ESCMID/ALAT guidelines**Disease(s) :** Respiratory infections**Method(s) :** General respiratory patient care**Tag(s) :** Clinical**Target audience :** General practitioner, Physician in Pulmonary Training, Medical Student, Adult pulmonologist/Clinician, Clinical researcher**Chairs :** Andrew Bush (London, United Kingdom)**15:30 Discussion and Q&A**
Antoni Torres Marti (Barcelona, Spain), Ignacio Martin-Loeches (Dublin, Ireland)**8L Session 15:45 - 17:00****Oral presentation: New insights into paediatric asthma diagnosis and management of severe asthma****Disease(s) :** Airway diseases**Method(s) :** Cell and molecular biology General respiratory patient care Pulmonary function testing Epidemiology Physiology Imaging**Chairs :** Angela Zacharasiewicz (Wien, Austria), Erol Gaillard (Leicester (Leicestershire), United Kingdom)**Genome-wide exploration of inflammation-related proteins and Type 2 asthma**

Natalia Hernandez-Pacheco (Stockholm, Sweden), Sophia Björkander, Susanna Klevebro, Simon Kebede Merid, Ashish Kumar, Ida Mogensen, Christer Janson, Lena Palmberg, Marianne Van Hage, Antonios Georgellis, Anna Bergström, Inger Kull, Erik Melén

Asthma in one breath: metabolic signatures for allergic asthma in children by real-time breath analysis

Alexander Möller (Zürich, Switzerland), Ronja Weber#, Bettina Streckenbach#, Jerome Kaeslin, Lara Welti, Demet Inci, Nathan Perkins, Renato Zenobi, Srdjan Micic

Evaluation of nocturnal asthma control (NAC-study): Comparative multicenter analysis of subjective and objective methods

Swantje Weisser (Göttingen, Germany), Christiane Lex, Lena Roth, Katharina Kainz, Veronika Fajgelj, Alexander Schuetzenmeier, Patrick Fischer, Volker Gross, Matthias Reinweber, Angela Zacharasiewicz, Sebastian Kerzel

ADRB2 Arg16Gly is associated with nocturnal asthma symptoms despite LABA use in two European pediatric asthma studies

Susanne J. H. Vijverberg (Utrecht, Netherlands), Trang My Nguyen, Javier Perez-Garcia, Simone Hashimoto, Anne H. Neerinx, Mahmoud I. Abdel-Aziz, Catarina Almqvist, Olaia Sardon Prado, Paula Corcuera, Javier Korta, Uros Potocnik, Michael Kabesch, Aletta D. Kraneveld, Maria Pino-Yanes, Anke H. Maitland Van Der Zee

Dupilumab efficacy in children with uncontrolled type 2 asthma with baseline high/medium ICS dose

Jorge Fernando Maspero (Ciudad Autónoma Buenos Aires, Argentina), Martii A Antila, Neal Jain, Antoine Deschildre, Leonard B Bacharier, Arman Altincatal, Elizabeth Laws, Bolanle Akinlade, Shahid Siddiqui, Juby A Jacob-Nara, Yamo Deniz, Paul J Rowe, David J Lederer, Megan Hardin

Detection of structural airway changes on computed tomography in paediatric severe asthma

Wytse van den Bosch (Voorburg, Netherlands), Qianting Lv, Elrozy Andrinopoulou, Hettie Janssens, Pierluigi Ciet, Harm Tiddens

Continuous associations of type 2 biomarkers and efficacy of dupilumab in children with uncontrolled, moderate-to-severe asthma

Leonard Bacharier (Nashville, United States), Daniel J Jackson, Ian Pavord, Jorge Maspero, Alessandro Fiocchi, Xuezhou Mao, Juby A Jacob-Nara, Yamo Deniz, Elizabeth Laws, Leda P Mannent, Bolanle Akinlade, Heribert Staudinger, David Lederer, Megan Hardin

The upper respiratory tract mucosal antimicrobial peptides levels in children with T-helper type 2 mediated airway diseases: a cross-sectional study

Olha Shvaratska (Dnipro, Ukraine), Yaroslav Vilensky, Tina Bordiy, Yurii Bolbot

Neutrophil granulocytes from Th1-high asthmatics show a reduced chemotactic response to bacterial compound ex vivo

Solveig Lemmel (Luebeck, Germany), Anna Wohlers, Tim Becker, Anna Bachmann, Thomas Bahmer, Gesine Hansen, Erika Von Mutius, Klaus F. Rabe, Oliver Fuchs, Anna-Maria Dittrich, Bianca Schaub, Christine Happel, Markus Weckmann, Matthias Volkmar Kopp

Late Breaking Abstract - Assessment of the long-term safety and efficacy of dupilumab in children with asthma: LIBERTY ASTHMA EXCURSION

Leonard Bacharier (Nashville, United States), Jorge F. Maspero, Constance H. Katelaris, Alessandro Fiocchi, Remi Gagnon, Ines De Mir-Messa, Theresa W. Guilbert, Daniel J. Jackson, Ning Li, Bolanle Akinlade, Elizabeth Laws, Leda P. Mannent, Jennifer Maloney, Kelsey Tawo, Faisal A. Khokhar, Megan Hardin, Raolat M. Abdulai, David J. Lederer, Lacey Robinson

Discussion

8F

Session

15:45 - 17:00

Oral presentation: It is all about communication: novel interactions between lung structural cells and the immune system

Disease(s) : Interstitial lung diseases Airway diseases

Method(s) : Cell and molecular biology

Chairs : H. Irene Heijink (Groningen, Netherlands), Alen Faiz (Ultimo (NSW), Australia)

LSC - 2022 - Human CD116+ fetal liver progenitors migrate to the perinatal lung and give rise to alveolar macrophages in vivo

Elza Evren (Stockholm, Sweden), Emma Ringqvist, Jean-Marc Doisne, Anna Thaller, Natalie Sleiers, Richard A. Flavell, James P. Di Santo, Tim Willinger

LSC - 2022 - A high probability of short-range interactions between fibrocytes and CD8+ T cells potentiates the inflammatory response in COPD

Edmée Eyraud (Bordeaux, France), Elise Maurat, Pierre Vallois, Jean-Marc Sac-Epée, Pauline Henrot, Maéva Zysman, Levet Florian, Jean-Baptiste Sibarita, Hugues Bégueret, Pierre-Olivier Girodet, Thumerel Matthieu, Romain Hustache-Castaing, Cécile Contin-Bordes, Patrick Berger, Isabelle Dupin

LSC - 2022 - The potential role of innate lymphoid cells in non-allergic neutrophilic asthma model

Anne-Charlotte Jonckheere (Leuven, Belgium), Brecht Steelant, Sven Seys, Tatjana Decaestecker, Jonathan Cremer, Ellen Dilissen, Dominique Schols, Yoichiro Iwakura, Jeroen Vanoirbeek, Lieven Dupont, Dominique Bullens

Altered Site-Specific Expression Patterns of Interleukin-33 and its Receptor ST2 in COPD Lungs

Caroline Sandén (Lund, Sweden), Premkumar Siddhuraj, Jimmie Jönsson, Caroline Lindö, Josquin Nys, Darren Schofield, Ian Scott, Sandra Lindstedt, Roland Kolbeck, Alison Humbles, Rene Lutter, Suzanne Cohen, Jonas Erjefalt

Airway myeloperoxidase (MPO) is associated with increased risk of exacerbations in COPD

Sanna Rosengren (Mölnådal, Sweden), Stefan Tångefjord, Giovanna De Palo, Jenny Horndahl, Madeleine Ingelsten, Amy Gilmour, Merete B Long, Holly R Keir, Kristoffer Ostridge, James D Chalmers

Oxidised IL-33 signals via RAGE/EGFR to drive a COPD-associated phenotype

Sam Strickson (CAMBRIDGE, United Kingdom), Kirsty F. Houslay, Victor A. Negri, Yoichiro Ohne, Tomas Ottosson, Roger B. Dodd, Catherine Chaillan Huntington, Jingjing Li, Helen Killick, D. Gareth Rees, Sofia Koch, Gary P. Sims, Ian C. Scott, Xavier Romero Ros, E. Suzanne Cohen

IL-13 modulates exosome production and miRNAs cargo in bronchial epithelial cells in severe asthma

Martin Klein (Québec, Canada), Pierre-Alexandre Gagnon, Mabrouka Salem, Mahmoud Rouabhia, Jamila Chakir

Profiling small extracellular vesicles (EVs) in idiopathic pulmonary fibrosis (IPF)

Sabha Asghar (Cambridge, United Kingdom), Sue Monkley, Lynne Murray, Catherine Overed-Sayer, Philip Molyneaux

Airway epithelial gene expression is altered in survivors of preterm birth

Denby Evans (Nedlands, Australia), Jessica Hillas, Thomas Iosifidis, Shannon Simpson, Anthony Kicic, Patricia Agudelo-Romero

Late Breaking Abstract - Beyond barrier function – claudin-1 as a therapeutic target candidate for idiopathic pulmonary fibrosis

Jannik Ruwisch (Hannover, Germany), Benedikt Jäger, Oliver Terwolbeck, Geoffrey Teixeira, Frank Juehling, Thomas F. Baumert, Antje Prasse

Discussion

8M

Session

15:45 - 17:00

Oral presentation: The environment and human health: from cohort to cell culture studies**Disease(s)** : Airway diseases Interstitial lung diseases Pulmonary vascular diseases**Method(s)** : Cell and molecular biology Public health Epidemiology Physiology**Chairs** : Isabella Annesi Maesano (Montpellier, France), Rafael E. de la Hoz (New York, United States)**Real time in vivo investigation of alveolar macrophage dynamics and immune response during nanoparticle inhalation**

Qiongliang Liu (Neuherberg, Germany), Lin Yang, Chenxi Li, Otmar Schmid, Tobias Stoeger, Markus Rehberg

Printer toner-emitted nanoparticle exposure enhances air-airway bacterial crossover in printing floor workers

Fransiskus Xaverius Ivan (Singapore, Singapore), Micheál Mac Aogáin*, Nur A'Tikah Binte Mohamed Ali, Pei Yee Tiew, Magdiel Ingrid Setyawati, Dhimiter Bello, Philip Demokritou, Kee Woei Ng, Sanjay H. Chotirmall

Impact of air pollution on systemic sclerosis associated interstitial lung disease severity: a retrospective two-center cohort study

Anais Roeser (BOBIGNY, France), Lucile Sese, Guillaume Chassagnon, Benjamin Chaigne, Stéphane Tran Ba, Salma Jebri, Pierre-Yves Brillet, Marie-Pierre Revel, Frédérique Aubourg, Robin Dhote, Frédéric Caux, Luc Mouthon, Isabella Annesi-Maesano, Hilario Nunes, Yurdagül Uzunhan

Exposure-response relationship between personal exposure to household air pollution and blood pressure in adult women across four resource-poor settings

Laura Nicolaou (Baltimore, United States), Lindsay Underhill, Shakir Hossen, Suzanne Simkovich, Gurusamy Thangavel, Ghislaine Rosa, John Mccracken, Victor Davila-Roman, Lisa De Las Fuentes, Ashlinn Quinn, Maggie Clark, Anaite Diaz, Ajay Pillarisetti, Kyle Steenland, Lance Waller, Shirin Jabbarzadeh, Jennifer Peel, William Checkley

Investigating the impact of London's Ultra Emission Zone (ULEZ) on children's physical activity and travel patterns: Baseline data from the CHILL Study

James Scales (London, United Kingdom), Iva Tsocheva, Rosamund Dove, Jasmine Chavda, Harpal Kalsi, Helen Wood, Luke Sartori, Grainne Colligan, Chris Griffiths

Short-term effects of weather and air pollution on physical activity in COPD patients

Alicia Josa-Culleré (Barcelona, Spain), Ane Arbillaga-Etxarri, Eva Balcells, Nuria Celorrio, Alicia Marin, Mónica Monteagudo, Diego A. Rodríguez, Robert Rodríguez-Roisin, Magda Bosch De Basea, Maria Foraster, Pere Simonet, Pere Torán-Monserrat, Pere Vall-Casas, Judith Garcia-Aymerich

Modelling the pathophysiological effects of geography-specific landscape fire smoke

Henry Gomez (Bar Beach, Australia), Dusan Ilic, Peter Robinson, Graeme Zosky, Tatt Haw, Kanth Vanka, Ellen Small, Tesfalidet Beyene, Thava Palanisami, Doan Ngo, Elizabeth Holiday, Megan Jensen, Vanessa McDonald, Vanessa Murphy, Peter Gibson, Jay Horvat

Differential toxicity in an alveolar epithelial cell line of fine particulate matter from brakewear, roadwear, and diesel exhaust

James Parkin (Southampton, United Kingdom), Lareb Dean, Dawn Cooper, Robert Ridley, Elizabeth Davies, Franco Conforti, Joseph Bell, Yihua Wang, Julian Downward, Miriam Gerlofs-Nijland, Flemming Cassee, Donna Davies, Richard Cook, Matthew Loxham

LSC - 2022 - Real time in vivo investigation of the innate immune response during ventilator-assisted nanoparticle inhalation

Qiongliang Liu (Neuherberg, Germany), Yang Lin, Chenxi Li, Otmar Schmid, Tobias Stoeger, Markus Rehberg

Late Breaking Abstract - Specific cellular perturbation patterns in lung inflammation after nanoparticle inhalation
Carola Voss (Neuherberg, Germany), Meshal Ansari, Maximilian Strunz, Ilias Angelidis, Verena Haefner, Christopher Mayr, Carolina Ballester-Lopez, Qiongliang Liu, Lianyong Han, Ali Oender Yildirim, Thomas Conlon, Markus Rehberg, Herbert Schiller, Tobias Stoeger

Discussion

8N Session 15:45 - 17:00

Mini symposium: Steps for a successful career in respiratory research

Early-career member session 2022

Aims : to present critical steps for a successful career in respiratory research and medicine; to describe how to build and manage a research team and how to publish successfully; to discuss challenges and opportunities for younger physicians and scientists in respiratory research; to provide tips for maintaining a healthy work-life balance.

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Respiratory critical care physician, Paediatrician, Physician in Pulmonary Training, Physiologist, Radiologist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon

Chairs : Daniela Gompelmann (Vienna, Austria), Maxime Patout (Paris, France)

15:45 Building and managing a research team
Debby Bogaert (Edinburgh, United Kingdom)

16:00 Successful publishing in a scientific journal
Anh Tuan Dinh-Xuan (Paris, France)

16:15 Mina Gaga lecture
Alexander Mathioudakis (Stockport, United Kingdom)

16:30 Time management strategies for clinical scientists and privacy
Niki Ubags (Epalinges, Switzerland)

16:45 Discussion and Q&A

8H (live-streamed) Session 16:00 - 17:30

Symposium: Lung involvement in common variable immunodeficiency: from diagnosis to lung transplantation

Aims : to describe the physiopathology of common variable immunodeficiency (CVID) and current diagnostic and therapeutic approaches for this disorder and update attendees about recent advances in this context. CVID-associated lung involvement might be due to respiratory infection and bronchiectasis or non-infectious immune-based diffuse interstitial disorders. This clinical picture and the possible contraindications to lung transplant candidacy and challenges in post-transplant follow-up of these patients will be addressed.

Disease(s) : Airway diseases Paediatric respiratory diseases Respiratory infections

Method(s) : General respiratory patient care Pulmonary function testing Transplantation

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Nurse, Paediatrician, Physician in Pulmonary Training, Respiratory physiotherapist, Thoracic surgeon, Respiratory therapist

Chairs : Federica Meloni (Pavia (PV), Italy), Tobias Welte (Hannover, Germany)

16:00 Pathogenesis and diagnosis of CVID in paediatric and adult patients
Isabelle Meyts (Leuven, Belgium)

16:15 Prevention and treatment of pulmonary and extrapulmonary infections in CVID patients
David M. Lowe (London, United Kingdom)

16:30 Non-infectious lung involvement in CVID diagnosis and treatment
Elisabetta Renzoni (London, United Kingdom)

16:45 Lung transplant in CVID patients: contraindications and outcomes
Michael Perch (København Ø, Denmark)

17:00 Discussion and Q&A

8G (live-streamed) Session 16:00 - 17:30

Hot topics: Pharmacotherapy for sleep disordered breathing

Specific approaches to different pathophysiological traits of obstructive sleep apnea

Aims : to describe recent advances in pharmacotherapy for patients with sleep disordered breathing; to explain the impact of the identification of different pathophysiological traits, including upper airway muscle function, respiratory control, arousal from sleep and upper airway anatomy, on the choice of pharmacological drug classes; to describe novel possibilities and tools for identifying these different traits based on polysomnography.

Disease(s) : Sleep and breathing disorders

Method(s) : General respiratory patient care Physiology Public health

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Paediatrician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational)

Chairs : Pierantonio Laveneziana (Paris, France), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

16:00 **Various pharmacological approaches to weight loss management in patients with sleep disordered breathing**
Johan Verbraecken (Edegem (Antwerp), Belgium)

16:15 **Pharmaceutical muscle activation of the upper airways**
Carolina Lombardi (Milano (MI), Italy)

16:30 **Current perspectives in pharmacotherapy targeting brain breathing regulation**
Jan A. Hedner (Göteborg, Sweden)

16:45 **Influence of pharmacotherapy on arousal**
Speaker to be confirmed

17:00 **Discussion and Q&A**

8C (live-streamed) Session 16:00 - 17:30

Hot topics: Hyperpolarised gas magnetic resonance imaging: a new frontier in functional pulmonary imaging

Aims : to increase the understanding of recent advancements in lung imaging and to compare lung imaging diagnostic capabilities and effectiveness with current modalities; to discuss the role of hyperpolarised gas magnetic resonance imaging (MRI) for lung imaging in patients with various respiratory diseases.

Disease(s) : Airway diseases Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Endoscopy and interventional pulmonology Imaging Pulmonary function testing

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Respiratory critical care physician, Physician in Pulmonary Training, Radiologist

Chairs : El bieta Magdalena Grabczak (Warszawa, Poland), Chair to be confirmed

16:00 **The recent evolution of hyperpolarised gas MRI from medical physics theory to patient care**
James M. Wild (Sheffield (South Yorkshire), United Kingdom)

16:15 **Hyperpolarised gas MRI to guide patient management in severe asthma and COPD**
Sarah Svenningsen (Hamilton, Canada)

16:30 **Hyperpolarised gas MRI for evaluation of persistent symptoms in patients with long COVID**
Speaker to be confirmed

16:45 **Hyperpolarised gas MRI: a novel biomarker of fibrotic lung disease**

17:00 **Discussion and Q&A**

8A (live-streamed) Session 16:00 - 17:30

Clinical cases: Lungs on fire: Airway diseases?

Aims : To facilitate the presentation of real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

Disease(s) : Airway diseases**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Paediatrician, Physician in Pulmonary Training, Respiratory critical care physician, Nurse, Radiologist, Respiratory physiotherapist, Respiratory therapist, Medical Student**Chairs :** Omar S. Usmani (London, United Kingdom), Ayşe Arzu Yorgancıoğlu (Konak, Turkey), Daiana Stolz (Basel, Switzerland)**Discussants :** Mina Gaga (Athens, Greece), Marc Miravittles (Barcelona (CT), Spain)

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|-------|---|
| 16:00 | Case 1 incl. panel discussion and Q&A - Author: S. O'Loughlen (Canada)
Mina Gaga (Athens, Greece) |
| 16:22 | Case 2 incl. panel discussion and Q&A - Author: M. F. Montero Arias (Costa Rica)
Marc Miravittles (Barcelona (CT), Spain) |
| 16:44 | Case 3 incl. panel discussion and Q&A - Author: D. M. Vulturar (Romania)
Mina Gaga (Athens, Greece) |
| 17:06 | Case 4 incl. panel discussion and Q&A - Author: H. Badri (United Kingdom)
Marc Miravittles (Barcelona (CT), Spain) |

8B (live-streamed) Session 16:00 - 17:30**Respiratory medicine meets other disciplines: Update on the diagnosis and treatment of pulmonary hypertension****ERS/ESC guidelines on pulmonary hypertension 2022****Aims :** to highlight the changes from the previous guidelines; to discuss unknown areas where the guidelines cannot fulfil the clinical need; and to discuss the new guidelines in a pro/con debate, what the clinical consequences will be and how this will change diagnosis.**Disease(s) :** Pulmonary vascular diseases**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Nurse, Respiratory critical care physician, Patient, Scientist (basic, translational)**Chairs :** Anton Vonk Noordegraaf (Amsterdam, Netherlands), Silvia Ulrich (Zurich, Switzerland), Stephan Rosenkranz (Köln, Germany)

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| 16:00 | Patient's testimony
Gergely Meszaros (Vac, Hungary) |
| 16:05 | ERS/ESC guidelines on pulmonary hypertension: clinical approach and changes from the previous guidelines
Marius M. Hoepfer (Hannover, Germany) |
| 16:20 | Treatment options and recommendations
Marion Delcroix (Leuven, Belgium) |
| 16:35 | Comments on the guidelines: strengths and weaknesses
Sean Gaine (Dublin, Ireland) |
| 16:50 | Interactive cases
Mona Lichtblau (Zürich, Switzerland) |
| 17:05 | Discussion and Q&A |

Studio Session 16:15 - 16:45**Guidelines session: ERS Guideline on various aspects of quality in lung cancer care****ERS/ESICM/ESCMID/ALAT guidelines****Disease(s) :** Thoracic oncology**Method(s) :** Surgery General respiratory patient care**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Thoracic surgeon, Thoracic oncologist, Medical Student, Physician in Pulmonary Training**Chairs :** Andrew Bush (London, United Kingdom)

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| 16:15 | Discussion and Q&A
Torsten Gerriet Blum (Berlin, Germany), Joanna Chorostowska-Wynimko (Warsaw, Poland) |
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Studio	Session	17:00 - 17:30
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Pro-Con debate: Does the aggressive management of solitary pulmonary nodules pay off?

Aims : to inform the audience about the different management approaches to solid and subsolid nodules tailored to patient characteristics and geography; to provide an understanding of the controversies that currently exist regarding aggressive and prudent management.

Disease(s) : Thoracic oncology

Method(s) : General respiratory patient care Imaging Surgery

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Thoracic oncologist, Thoracic surgeon

Chairs : Joanna Chorostowska-Wynimko (Warsaw, Poland), Torsten Gerriet Blum (Berlin, Germany)

17:00 The aggressive management of solitary pulmonary nodules always pays off: Pro
Stefano Elia (Roma (RM), Italy)

17:10 The aggressive management of solitary pulmonary nodules always pays off: Con
Georgia Hardavella (Athens, Greece)

17:20 Discussion and Q&A

18:00-19:30

INDUSTRY EVENING MINI-SYMPOSIUM

SEE PAGE 1

18:00-19:30

INDUSTRY EVENING SYMPOSIUM

SEE PAGE 1

18:00-19:30

INDUSTRY VIRTUAL SYMPOSIUM

SEE PAGE 1

8D Session 08:00 - 10:20**Skills workshop: SW7 Thoracic ultrasound**

Aims : To describe the current use of thoracic ultrasound and to provide participants with the opportunity to perform this technique using training models, simulators, volunteers and patients.

Disease(s) : **Thoracic oncology** **Interstitial lung diseases**

Method(s) : Imaging General respiratory patient care

Tag(s) : Clinical

Target audience : Radiologist, Thoracic surgeon, Adult pulmonologist/Clinician, Clinical researcher, Respiratory critical care physician, Physician in Pulmonary Training

Chairs : Christian B. Laursen (Odense, Denmark)

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|--------------|--|
| 08:00 | The normal thoracic cavity
Gilles Mangiapan (Creteil, France), Jesper Rømhild Davidsen (Odense C, Denmark) |
| 08:30 | Pleural effusion and/or pleural thickening
Pia Iben Pietersen (Odense NØ, Denmark), Valentina Pinelli (Sarzana, Italy) |
| 09:00 | Case studies
Hugh Welch (Bristol, United Kingdom), Rachele Asciani (SIGGIEWI, Malta) |
| 09:30 | Lymph node biopsy using models
Rachid Tazi Mezalek (Barcelona, Spain), Konstantina Kontogianni (Heidelberg, Germany) |

08:00-09:15**INDUSTRY EARLY MORNING SYMPOSIUM****SEE PAGE 1****08:00-08:45****INDUSTRY SKILLS LAB WORKSHOP****SEE PAGE 1****08:00-09:15****INDUSTRY VIRTUAL SYMPOSIUM****SEE PAGE 1****8C (live-streamed)** Session 08:00 - 09:15**Joint session: Updates on inhalers for COPD and asthma**

A joint ERS/Industry session, supported by Boehringer Ingelheim, Chiesi

Aims : Please note that this session is not accredited

Chairs : Frans H.C. De Jongh (Enschede, Netherlands), Fco.De Borja García Cosío Piqueras (Palma de Mallorca, Spain)

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|--------------|---|
| 08:00 | Introduction |
| 08:05 | How to choose and use an inhaler device?
Omar S. Usmani (London, United Kingdom) |
| 08:20 | How to monitor and improve inhaler technique?
Henry Chrystyn (Bingley (West Yorkshire), United Kingdom) |
| 08:35 | How to assess and improve inhaler adherence?
Federico Lavorini (Firenze (FI), Italy) |
| 08:50 | Panel discussion and Q&A |

08:00-09:15**INDUSTRY EARLY MORNING MINI-SYMPOSIUM****SEE PAGE 1****8F** Session 08:15 - 09:30

Oral presentation: Challenges in respiratory physiotherapy assessment and management

Disease(s) : Airway diseases Respiratory critical care Interstitial lung diseases

Method(s) : General respiratory patient care Physiology Pulmonary rehabilitation Respiratory intensive care Epidemiology Public health Pulmonary function testing

Chairs : Martijn A. Spruit (Horn, Netherlands), Rachael A. Evans (Leicester (Leicestershire), United Kingdom)

Differences in pulmonary and extra-pulmonary traits between women and men with COPD

Sara Souto-Miranda (Aveiro, Portugal), Alex J. Van 't Hul, Anouk W. Vaes, Jeanine C. Antons, Remco S. Djamin, Daisy J.A. Janssen, Frits M.E. Franssen, Alda Marques, Martijn A. Spruit

Reference equations for quadriceps function in COPD: a multicenter study

Didier Saey (Québec (QC), Canada), Sophie Tanguay, André Nyberg, Sarah Marklund, Erik Frykholm, Jana De Brandt, Chris Burtin, François Maltais

Impact of ActiGraph® cutoffs on time spent in moderate to vigorous physical activities in COPD.

Patrícia Filipa Sobral Rebelo (Trancoso, Portugal), Joana Antão, Sara Almeida, Dina Brooks, Alda Marques

Use of an automatic 6-minute walk test recording system in patients with chronic respiratory diseases

Rodrigo Torres Castro (Barcelona, Spain), Heribert Pascual, Gemma Roqué, María Palomo, Michelle Rodríguez, Elena Gimeno-Santos, Xavi Masip Bruin, Albert Alonso, Joan Albert Barberà, Isabel Blanco

Fatigue and functional capacity post COVID-19

Nicola Sante Diciolla (Madrid, Spain), David García-Pascual Abad, Ana Ampuero López, María Torres Lacomba, Alda Marques, María José Yuste Sánchez

The impact of Covid-19 on physical activity one year after hospital discharge

Eva Arents (Knokke, Belgium), Fien Hermans, Bihiyjga Salhi, Evelien De Burck, Katlijn Geurickx, Wendy Van Loo, Thierry Troosters, Eric Derom, Eva Van Braeckel, Yannick Vande Weygaerde, Heleen Demeyer

Respiratory muscle strength in patients post infection by COVID-19

Maria Fernanda Lima Souza Saldanha (São Paulo, Brazil), Vitor Costa Souza, Mariana Lafeté Lima, Thais Carvalho Franciscantonio Menezes, Fabiana Oliveira Penido, Andre Luiz Pereira Albuquerque, Suzana Erico Tanni, Jaquelina Sonoe Ota Arakaki, Luiz Eduardo Nery, Eloara V. M. Ferreira, Priscila Abreu Sperandio

Diagnostic accuracy of respiratory muscle assessments to predict weaning outcomes in the intensive care unit (ICU): a systematic review and meta-analysis

Diego Poddighe (Leuven, Belgium), Marine Van Hollebeke, Yasir Qaiser Choudhary, Débora Ribeiro Campos, Greet Hermans, Rik Gosselink, Daniel Langer

Late Breaking Abstract - Telemonitoring of home mechanical ventilation in Brazil: Clinical and economical outcomes in a private brazilian home care.

João Paulo Silveira (, Brazil), Maria Hayashi, Ruy Pires, Paola PASTRI, Claudia Albertini

Discussion

8N

Session

08:15 - 09:30

Oral presentation: Novel approaches to physiologic studies of lung function

Disease(s) : Airway diseases Respiratory critical care Sleep and breathing disorders Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Cell and molecular biology Imaging Pulmonary function testing Physiology Respiratory intensive care General respiratory patient care

Chairs : Andrea Aliverti (Milan, Italy), Francesca Pennati (Milano (MI), Italy)

The Dyspnoea Challenge - a novel approach for measuring exertional dyspnoea

Craig Aitken (Brisbane (QLD), Australia), James Walsh, Glenn Stewart, Sabapathy Surendran, Lewis Adams, Norman Morris

Small airway function after Covid-19 infection

Sanna Kjellberg (Trollhättan, Sweden), Alexander Holm, Helena Sandén, Anna-Carin Olin

Ventilator driving pressure correlates with neuroinflammation in healthy pigs ventilated for 50 hours

Thiago Bassi (Burnaby, Canada), Elizabeth Rohrs, Karl Fernandez, Michelle Nicholas, Marlena Ornowska, Jessica Wittman, Matt Gani, Doug Evans, Steve Reynolds

COPD Origins: Understanding Extracellular Matrix (ECM) Remodelling using bio-imaging techniques

Chia Wei Kong (SOUTHAMPTON (Hampshire), United Kingdom), Tom Havelock, Michael Bennett, Jannie Marie Bülow Sand, Sarah Rank Rønnow, Cosma Mirella Spalluto, Staples Karl, Kristoffer Ostridge, Hannah Burke, Anna Freeman, Aishath Fazleen, Tom Wilkinson

A novel method for improving gas exchange by applying percussive ventilation in the expiratory phase

Ferenc Peták (Szeged, Hungary), Gergely H Fodor, Almos Schranc, Roberta Südy, Ádám L Balogh, André Dos Santos Rocha, Davide Bizzotto, Walid Habre, Raffaele L Dellacà

Pulmonary vascular biomechanics imaged with synchrotron phase contrast microtomography in live rats

Sam Bayat (Grenoble, France), Jose-Luis Cercos, Luca Fardin, Gaetano Perchiazzi, Alberto Bravin

Characterizing respiratory mechanics in lymphangiomyomatosis by oscillometry and quantitative CT

Cynthia Nohra (Toronto, Canada), Joyce Wu, Anastasiia Vasileva, John Thenganatt, Clodagh Ryan, Micheal Mcinnis, Zoltan Hantos, Chung-Wai Chow

Pulmonologists collaborate with explainable artificial intelligence for superior interpretation of pulmonary function tests

Wim Janssens (Leuven, Belgium), Nilakash Das, Sofie Happaerts, Anh Tuan Dinh-Xuan, Eef Vanderelst, Christel Haenebalcke, Guy Brusselle, Eric Derom, Felip Burgos, Frits Franssen, Henrik Watz, Jennie Quint, Jorge Moises, Marco Contoli, Michael Steiner, Neel Greening, Rudi Peché, Sherif Gonem, Vitali Poberezhets, William Mann, Marko Topalovic

Investigating breathing patterns of asthma patients during exercise using a novel parameter

Arjen Pelgröm (Enschede, Netherlands), Frans De Jongh, Ilonka Van Veen

Late Breaking Abstract - Diagnostic potential of forced oscillometry technique in adults with normal spirometry: data from the LEAD general population cohort

Chiara Veneroni (Milano (MI), Italy), Christoph Valach, Emiel Wouters, Alessandro Gobbi, Raffaele Dellacà, Marie-Kathrin Breyer, Sylvia Hartl, Owat Sunanta, Pasquale Pompilio, Robab Breyer-Kohansal

Discussion

8L

Session

08:15 - 09:30

Oral presentation: Pulmonary embolism: acute and long-term management**Disease(s) :** Pulmonary vascular diseases Thoracic oncology**Method(s) :** Pulmonary function testing Epidemiology General respiratory patient care Imaging Respiratory intensive care**Chairs :** Luis Jose JARA PALOMARES (Sevilla, Spain), Francis Couturaud (Brest, France)**Diagnostic and prognostic value of pentraxin-3 in pulmonary thromboembolism**

Rıdvan Bayler (Ankara, Turkey), Sevinc Sarinc Ulasli, Ali Batur, Fatih Tekin, Gamze Durhan, Zeliha Gunnur Dikmen, Sevilya Karahan, Yusuf Ziya Sener, Ahmet Aksan, Merve Yilmaz, Elif Babaoglu, Ergun Baris Kaya, Deniz Koksall

Right heart strain assessment on CTPA following acute pulmonary embolism: interobserver variability between radiologists and thoracic physicians

Chinthaka Samaranyake (London, United Kingdom), Michelle Craigie, Peter Bell, Colm McCabe, John Upham, John Coucher, Gregory Keir

Baseline characteristics and Outcomes in Patients with Venous Thromboembolism and Active Lung Cancer – a Nationwide Cohort Study in France

Laurent Bertoletti (Saint Etienne Cedex, France), Gaelle Gusto, Artak Khachatryan, Nadia Quignot, Jose Chaves, Audrey Moniot, Ruth Mokgokong, Isabelle Mahé

Cancer Associated Thrombosis: how many lung cancer patients seen in clinical practice would be eligible to a DOAC randomized controlled trial?

Valentine Mismetti (Saint Etienne, France), Bastien Petit, Simon Soudet, Géraldine Poenou, Emma Zarrat, Théo Machuron, Sandrine Acaassat, Ludovic Plaisance, Hélène Helfer, Claire Le Hello, Marie-Antoinette Sevestre, Isabelle Mahé, Laurent Bertoletti

Catheter-directed therapies in chronic thromboembolic pulmonary hypertension

Jenny Yang (La Jolla, United States), Nick Kim, Seth Kligerman, Timothy Fernandes, Demosthenes Papamatheakis, David Poch, Michael Madani, Victor Pretorius, Kim Kerr

Efficacy and safety of balloon pulmonary angioplasty for patients with chronic thromboembolic pulmonary hypertension comorbid to chronic obstructive pulmonary disease

Yu Taniguchi (Kobe, Japan), Hiroyuki Fujii, Sachiyo Yoneda, Keisuke Miwa, Kenichi Yanaka, Noriaki Emoto, Kenichi Hirata

Predictors of perioperative morbidity and mortality in patients with Antiphospholipid antibody syndrome (APS) and chronic thromboembolic pulmonary hypertension (CTPEH) after Endarterectomy Pulmonary.

Elyzabeth Bermudez (), Rodrigo Zebadua, Julio Lopez, Mario Pozas, Laurina Zorrilla, Tomás Pulido, Julio Sandoval, Nayeli Zayas

Discussion

TP-4 Session 08:30 - 09:30

Thematic poster: Assessment of respiratory physiology

Disease(s) : Airway diseases Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Physiology Pulmonary function testing Cell and molecular biology Pulmonary rehabilitation General respiratory patient care

Chairs : Camille Rolland-Debord (clermont-ferrand, France), André Luis Pereira De Albuquerque (São Paulo (SP), Brazil)

Investigation of the relationship between breathing motor adaptation and agency: a physiological & VR-based study
Sophie Betka (Genève, Switzerland), Antoine De Comite , Florent Jeanpetit, Sunho Lee, Claire Meuwly, Oliver Kanappe, Florian Lance, Sixto Alcoba, Olaf Blanke

Fluctuations of respiratory frequency in infants according to the state of activity in a 24-hour time frame
Marita Antoniadi (Athens, Greece), Konstantinos Douros, Michael Anthracopoulos, Ourania Magoni, Konstantinos Priftis

Risk factors for respiratory depression in Opioid Use Disorder
Caroline Jolley (London, United Kingdom), Basak Tas, Nicola J Kalk, Manuel Lozano- García, Gerrard F Rafferty, Peter S P Cho, Michael Kelleher, John Moxham, John Strang

Impact of continuous pulse oximetry recording on 6-minute walking distance in patients with chronic respiratory diseases
Danilo C Berton (Porto Alegre (RS), Brazil), Litiele Evelin Wagner, Gustavo Hauenstein Rosa, Ravena Maya Cardoso Da Silva, Kassio Padilha Goulart, Franciele Plachi, Igor Gorski Benedetto, Marcelo Basso Gazzana, José Alberto Neder

Evaluation of the clinical impact of the revised Bronchodilator responsiveness of the ATS/ERS 2021 on asthmatic children
FATMA ELLEUCH (Sfax, Tunisia), Rim Kammoun, Sana Sellami, Sana Ben Jemaa, Farah Gargouri, Ines Kammoun, Kaouthar Masmoudi

Bronchodilator response for oscillometry in severe eosinophilic asthma
Rory Chan (Glasgow, United Kingdom), Chris Rui Wen Kuo, Brian Lipworth

Interactions between spirometry and oscillometry in patients with moderate to severe asthma
Rory Chan (Glasgow, United Kingdom), Brian Lipworth

Comparison of lung function measured by spirometry, plethysmography and impulse oscillometry in hospitalized adults
Eyal Kleinhendler (Tel Aviv-Yafo, Israel), Rosman Maya, Elisabeth Fireman, Irena Fomin, Inbal Friedman Regev, Evgeny Gershman, Noa Ofir, Tal Perluk, Boaz Tiran, Avraham Unterman, Amir Bar-Shai

Reliability and clinical relevance of impulse oscillometry in smokers with and without airflow obstruction
Matthew D. James (Kingston (ON), Canada), Sandra G. Vincent, Devin B. Phillips, Michael K. Stickland, Jordan A. Guenette, J. Alberto Neder, Denis E. O'Donnell

Effects of implementing GLI-2012 reference equations on pulmonary function test (PFT) interpretations
Haruna Kitazawa (Toronto, Canada), Annie Jiang, Joyce K.Y. Wu, Cynthia Nohra, Honami Ota, Clodagh Ryan, Chung-Wai Chow

Volumetric capnography to assess changes in respiratory mechanics during methacholine challenge in rats
Petra Somogyi (Hódmezővásárhely, Hungary), Ibolya Tóth, Szilvia Kecskés, József Tolnai, Ferenc Peták, Gergely H. Fodor

Retrospective accuracy evaluation of a long-term, large number spirometry dataset of a health check-up clinic of Japan.
Tetsuo Kimura (Saku, Japan), Satoru Yanagisawa, Satoshi Wasamoto, Nariaki Ohura, Nobutoshi Morozumi

What is the clinical relevance of reference values in the 6MWT?
Juan Fco. Nieves Salceda (Oviedo, Spain), Marta Iscar Urrutia , Ramón Fernández Álvarez, Gema Rubinos Cuadrado, María José Vázquez López, Laura Abad Chamorro, Patricia Álvarez Álvarez, Eduardo Sánchez Vázquez, Ángela Lanza Martínez, Laura Martínez Vega, Alejandro Fernández Fernández, Covadonga De La Escosura Muñoz, María Marta García Clemente

The adding value of continuous monitoring of pulse oximetry during the 6-minute walk test for prognosis estimation in interstitial lung disease
Franciele Plachi (Porto Alegre, Brazil), Fernanda Machado Balzan, Anna Carolina Campos De Azevedo, Kimberli Dantas Käfer, Litiele Evelin Wagner, Marcelo Basso Gazzana, José Alberto Neder, Danilo Cortozi Berton

Standardisation of specific airway resistance measurements in COPD.
James Dean (Holmes Chapel, United Kingdom), Leanne Archer, Natalie Jackson, Dave Singh

Assessment of the relation between the severity of the deformity and spirometric values of children with pectus deformity.

Dilara Doghan (Ankara, Turkey), Gizem Ozcan, Fazılcan Zirek, Merve Nur Tekin, Secahattin Bayav, Nazan Cobanoglu

Respiratory effects of commonly used anesthesia regimes in rats

Gergely H. Fodor (Szeged, Hungary), Almos Schranc, Bence Ballók, Ibolya Tóth, József Tolnai, Ferenc Peták

Fractional exhaled nitric oxide in the assessment of exercise-induced bronchoconstriction: a multicentre retrospective analysis of UK-based athletes

Oliver Price (Leeds, United Kingdom), John Dickinson, William Gowers, Savannah Sturridge, Neil Williams, Pascale Kippelen, Andrew Simpson, Anna Jackson, James Hull

The role of n-of-1 single-blinded crossover ambulatory oxygen test (AOT) in fibrotic interstitial lung disease (fILD)

Hazel Wilkie (edinburgh, United Kingdom), Jill Macleod, Alex Przybylski, Nik Hirani

Comparison of different reference values for lung function, and implications of inconsistent use nationwide

Henrik Mangseth (Oslo, Norway), Liv Ingunn Bjoner Sikkeland, Ole Henrik Myrdal, Mariann Ulvestad, Johny Kongerud, Michael Thomas Durheim, May Brit Lund

TP-20

Session

08:30 - 09:30

Thematic poster: COVID infections prognosis: risk factors and treatmentDisease(s) : **Airway diseases** **Interstitial lung diseases**

Method(s) : General respiratory patient care Physiology Pulmonary function testing Epidemiology Public health Imaging Respiratory intensive care

Chairs : Josje Altenburg (Amsterdam (NH), Netherlands)

Tocilizumab administration and monitoring in Covid-19

Avinash Aujayeb (Newcastle, United Kingdom), Nathaniel Keidan

Risk factors and mortality rate in hospitalized patients with COVID-19: Data from a respiratory medicine department in a reference Hospital for COVID-19

Andreas Photiades (Athens, Greece), Lykourgos Kolilekas, Anastasia Levounets, Konstantinos Loverdos, Lamprini Vlassi, Polixeni Ntontsi, Theoni Agapitou, Chrysoula Kontogianni, Romina Chatzipetrou, Stella Giannakaki, Zafiris Sardelis, Theoplasti Grigoratou, Erasmia Ekonomidou, Konstantinos Samitas, Eleftherios Zervas, Mina Gaga

Mortality prediction using a modified R2CHA2DS2-VASc score among hospitalized COVID-19 patients

Ori Wand (Kfar Sava, Israel), David Levy, Guy Topaz, Sydney Benchetrit, Keren Cohen-Hagai

Multiple-flows exhaled nitric oxide for the detection and severity assessment of post-COVID19 lung sequelae

Paolo Cameli (Siena (SI), Italy), Elena Bargagli, Laura Bergantini, Miriana D'Alessandro, Bruna Maria Giugno, Francesco Gentili, Piersante Sestini

Post Coronavirus Disease 2019 (COVID-19) pulmonary fibrosis: a 12 months follow-up study

Matteo Daverio (Padova, Italy), Elisabetta Cocconcelli, Nicol Bernardinello, Simone Petrarulo, Matteo Bovo, Cristina Dartora, Elena De Zorzi, Silvia Tonin, Annamaria Cattelan, Chiara Giraud, Marina Saetta, Paolo Spagnolo, Elisabetta Balestro

COVID-19 Pneumonia Virtual Follow-up Service in Greater Glasgow and Clyde: Effectiveness and Outcomes.

Erin McGarry (Glasgow, United Kingdom), Kathryn Scott, Katie Levin, Fadilla Refin, Angela Wright, George Chalmers, David Anderson, Brian Choo-Kang, Hannah Bayes

Lingering COVID-19 symptoms in non-hospitalized (NH) patients: Results from a Tunisian prospective cohort

Amany Touil (Tunis, Tunisia), Ella Nemsy, Sarra Maaazoui, Tasnim Znegui, Mariem Chaabane, Sabrine Maddeh, Sonia Habibech, Hajer Racil, Nawel Chaouch

Critical patients with COVID-19: are there any clinical peculiarities?

Kateryna Gashynova (Dnipro, Ukraine), Vladyslava Rudakova, Yelyzaveta Skubchenko, Vladyslav Mykhailov

CRP, ferritin, IL-6 and D-dimer: how significant they are in prediction of disease severity in COVID-19 - A retrospective study

Borislav Božanić (Niš, Republic of Serbia), Marija Topalović, Tatjana Pejčić, Aleksandra Ignjatović, Desa Nastasijević Borovac, Vuk Pejčić, Ana Srbulović Božanić, Miodrag Vrbić, Marko Bjelaković, Marija Marinković, Milan Radović, Milan Rančić, Ivana Stanković, Lidija Ristić

Non-interventional, retrospective, multi-center, follow-up study evaluating the effect of the angiotensin II type 2 receptor agonist C21 on lung pathology in subjects previously hospitalised with COVID-19

Cecilia Ganslandt (Stockholm, Sweden), Rohit Batta, Göran Tornling, Thomas Bengtsson, Anand Devaraj, Reema Kashiva, Atul Rajkondawar, Kartikeya Parmar, Nirav Bhalani, Ali Bohra, Anne-Katrine Cohrt

CLINICAL PHENOTYPES OF COVID-19 PNEUMONIA: different phases of viral process or really different states?
Yuliia Huba (Dnipropetrovsk, Ukraine), Kseniia Bielosludtseva, Lyudmyla Konopkina, Tetyana Pertseva

Developing a Long-COVID follow-up protocol in a Portuguese tertiary hospital
Mariana Gomes (Porto, Portugal), Gabriela Canelas, Cláudio Nunes Silva, António Sarmento, Margarida Tavares

Interleukin-6 in SARS-CoV2 risk stratification
Fernando Pereira da Silva (Penafiel, Portugal), Filomena Luís, Filipa Jesus, Élin Almeida, Sara Braga, Joana Ribeiro, Rebeca Natal, João Costa, Mariana Tavares, Luís Ferreira

Pulmonary function evaluation after hospital discharge of patients with severe COVID-19
Fernando Carlos Guillén Ortega (Tuxtla Gutierrez Chiapas, Mexico), Carlos Palomeque, Jorge Pola

Automated cough detection in COVID-19 and non-COVID-19 pneumonia using machine learning-based technology
Frank Rassouli (Speicher, Switzerland), Maximilian Boesch, Florent Baty, Filipe Barata, David Cleres, Peter Tinschert, Iris Shih, Elgar Fleisch, Martin H. Brutsche

The characteristics of patients with pulmonary post covid fibrosis
Imen Kharrat (kairouan, Tunisia), Amani Kacem, Hajer Hannechi, Rahma Benjazia, Hend Zorgati, Salam Mefteh, Dhouha Benbraiek, Jihen Ayachi, Anis Maatalla, Latifa Merzougui

Association between serum IgG levels and time to first antibiotic prescription in COPD patients
Anna Vanoverschelde (Ghent, Belgium), Samer R. Khan, Virgil A.S.H. Dalm, Layal Chaker, Guy Brusselle, Bruno H. Stricker, Lies Lahousse

Clinical, radiological, and respiratory functional assessment three months after SARS-CoV-2 hypoxemic pneumonia
Soumaya Debiche (Le Kram, Tunisia), Houda Snène, Blibech Hana, Kaabi Line, Sirine Daoud, Souhir Ouali, Jalloul Daghfous, Nadia Mehiri, Nozha Ben Salah, Bechir Louzir

Long COVID risk factors in a Portuguese cohort
Márcia Araújo (Porto (Porto), Portugal), Sara Dias, Joana Lourenço, Ana Luísa Fernandes, Bruno Cabrita, Joana Amado, Ana Paula Vaz, Inês Neves, Paula Simão, Bárbara Seabra

Microbiological profile of post covid patients admitted in tertiary care center with pulmonary infections.
Deepak Muthreja (Nagpur (Maharashtra), India)

TP-2 Session 08:30 - 09:30

Thematic poster: Accessibility and personalised approach to pulmonary rehabilitation

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Pulmonary rehabilitation Physiology General respiratory patient care Palliative care Epidemiology Public health

Chairs : Anouk W. Vaes (Horn, Netherlands), Anja Frei (Zürich, Switzerland)

Late Breaking Abstract - Health economic implications of the use of erdoesteine in patients with chronic obstructive lung disease.

Alberto Papi (Cona, Ferrara, Italy), Daniela Paola Roggeri, Alessandro Roggeri

Impact of the COVID-19 pandemic on COPD exacerbations during inpatient pulmonary rehabilitation

Kiki Waeijen-Smit (Horn, Netherlands), Martijn A. Spruit, Rein Posthuma, Fenne De Jong, Daisy J. A. Janssen, Nicole P. H. Van Loon, Bitu Hajian, Sandra L. Evertse-Snijders, Sami O. Simons, Sarah Houben-Wilke, Frits M. E. Franssen

"You can't feel what we feel": Multifaceted dyspnea invisibility in advanced chronic obstructive pulmonary disease: A qualitative study

Laure Serresse (Paris, France), Antoine Guerder, Jonathan Dedonder, Nathalie Nion, Sophie Lavault, Capucine Morelot-Panzini, Jesus Gonzalez, Laelia Benoit, Thomas Similowski

Home-based pulmonary rehabilitation for adult with difficult-to-control asthma exposed to violence.

Sarah Gephine (Pérenchies, France), Emilie Margoline, Stéphanie Fry, Cécile Chenivresse, Jean-Marie Grosbois

Predictors of poor pulmonary rehabilitation program (PRP) attendance in COPD patients

Huiying Xu (Singapore, Singapore), Calvin You Jia Chen, Shi Tien Heng, Min Sen Yew

Respiratory Sensation Assessment in COPD and healthy ageing

Isabella Epiu (Kampala, Uganda)

Is Virtual Pulmonary Rehabilitation (PR) a feasible and effective alternative to Face to Face?

Laura Moth (London, United Kingdom), Vijay Padmanaban, Crisp Phillip, Lound Adam, Maguire Michelle, Moloney Clare, De Luca Brendan, Kennedy Zoe, Klinge Helena, Elkin Sarah

Predicting those that require rehabilitation following hospitalisation of COVID19.

Enya Daynes (Leicester, United Kingdom), Urvee Karsanji, Nikki Gardiner, Sally J Singh

Pain characteristics in long COVID syndrome patients one year after infection

Javier Martín Núñez (Granada, Spain), Andrés Calvache Mateo, Alba Navas Otero, Irene Torres Sánchez, Ángela Benítez Feliponi, Irene Cabrera Martos, Marie Carmen Valenza

Investigating adherence to pulmonary rehabilitation and long-term sequelae in patients with Long COVID.

Megan Clark (Liverpool, United Kingdom), Hafsa Shams-Khan, Gurinder Tack, Laura Watkins, Nneka Nwosu

Activity levels and quality of life in long COVID patients

Javier Martín Núñez (Granada, Spain), Andrés Calvache Mateo, Alberto Rodríguez López, Irene Calles Plata, Araceli Ortiz Rubio, Irene Torres Sánchez, Marie Carmen Valenza

Multidimensional assessment of pulmonary rehabilitation programs in COPD patients

Ana Casal (vigo, Spain), Malena Toubes, Luis Sanz, Carlota Rodríguez, Carlos Rábade, Vanessa Riveiro, Tamara Lourido, Romina Abelleira, Lucía Ferreiro, Adriana Lama, Nuria Rodríguez, Luis Valdés

“When I am breathless now, I don’t have the fear that’s linked to it.” A qualitative case series analysis on the potential of EMDR to break the dyspnea-anxiety cycle in patients with COPD

Kris J.M. Mooren (Haarlem, Netherlands), Kirsten Smit, Yvonne Engels, Daisy Janssen, Judith Godschalx

Bone health in patients with chronic respiratory disease, are we doing enough?

Joseph McHugh (Limerick, Ireland), Caroline Tan, Niamh Logan, Catriona Reddin, Jude Ryan

Pulmonary rehabilitation interventions in COVID-19 patients

Leila Douik El Gharbi (Ariana, Tunisia), Imen Sahnoun, Tasnim Znegui, Ines Moussa, Siwar Rejeb, Salma Mkaddem, Asma Allouch, Rafik Guerfallah, Chiraz Ksouri, Saloua Jameleddine

Needs and perceptions of patients and healthcare providers about Pulmonary Rehabilitation in India

Shruti Sahasrabudhe (Pune (Maharashtra), India), Dipali Dhamdhere, Suryakant Borade, Meenakshi Bhakare, Mahavir Modi, Mark W Orme, Ilaria Pina, Rashmi Rohan, Zahira Ahmed, Andy Barton, Michael C Steiner, Sundeep Salvi, Sally J Singh

Development of a COmmunication instrument about SexualitY in COPD: COSY

Kaba Dalla Lana (Wetzikon, Switzerland), Claudia Steurer-Stey, Stefanie Gonin-Spahn, Michèle Borgmann, Ursina Brun Del Re, Sebastian Haas, Eliane Sarasin, Andrea Burri, Alexandra Strassmann, Anja Frei, Milo Puhan

Mapping UK rehabilitation provision for adults after hospital admission with COVID-19

Sarah Ward (Leicester, United Kingdom), Charlotte Overton, Archie Walters, Andrew Ibbetson, Sally Singh, Rachael Evans, Andrew Briggs, Linzy Houchen-Wolloff

Home-based pulmonary rehabilitation for patients with chronic respiratory diseases in Malaysia: A feasibility study

Yong-Kek Pang (Kuala Lumpur (Wilayah Persekutuan), Malaysia), soo chin chan, Julia Patrick Engkasan, Jaspreet Kaur Sekhon, Jayakayatri Jeevajothi Nathan, Norita Hussein, Nik Sherina Hanafi, Anwar Suhaimi, Yong Kek Pang, Saari Yatim, Monsur Habib, Hilary Pinnock, Ee Ming Khoo

Post-COVID pulmonary rehabilitation at primary hospital in Nepal: Preliminary experience from LMIC

Aishana Joshi (Kathmandu, Nepal), Pankaj Pant

TP-24

Session

08:30 - 09:30

Thematic poster: Sarcoidosis: challenges in the assessment and management of disease complications**Disease(s) :** [Interstitial lung diseases](#)**Method(s) :** Pulmonary function testing Epidemiology Imaging General respiratory patient care Cell and molecular biology**Chairs :** Marcel Veltkamp (De Meern, Netherlands), Adriane D.M. Vorselaars (Nieuwegein, Netherlands)**Corticosteroid-induced remission, and mycophenolate maintenance therapy in GLILD: long-term, longitudinal change in lung function in a single centre cohort**

Heba M Bantalib (London, United Kingdom), David M Lowe, Gaia Mancuso, Georgia Gkrepi, Suranjith L Seneviratne, Siobhan O Burns, John R Hurst

Modifiable lifestyle factors for sarcoidosis: a nested case-control study

Marina Dehara (Stockholm, Sweden), Michael C. Sacks, Johan Grunewald, Anders Blomberg, Elizabeth V. Arkema

Cardiac involvement in sarcoidosis patients: which patients should be screened?

Ecem Naz Ertürk (Mersin, Turkey), Bahar Ulubaş, Kaan Esen, Ahmet Çelik, Şenay Balcı, Lülüfer Tamer

Diagnosing Small Fiber Neuropathy in Sarcoidosis remains challenging

Lisette Raasing (Nieuwegein, Netherlands), Marcel Veltkamp, Oscar J M Vogels, Jan C Grutters

Long-term outcomes of combination therapy with methotrexate and methylprednisolone in patients with pulmonary sarcoidosis

Ievgeniia Merenkova (Kyiv, Ukraine), Volodymyr Gavrysiuk, Yaroslav Dziublyk, Galyna Gumeniuk, Nataliia Pendalchuk

Sarcoid-like reaction with mediastinal lymphadenopathy in patients after breast cancer surgery

Ryosuke Imai (Tokyo, Japan), Yasue Tsuchida, Torahiko Jinta

Bone mineral density in Danish patients with sarcoidosis

Janne Møller (Skanderborg, Denmark), Lars Rejnmark, Elisabeth Bendstrup

Vasoactive intestinal peptide for granulomatous diseases – a case series.

Bjoern Frye (Freiburg, Germany), Charlotte Gutzler, Gernot Zissel, Kerstin Höhne, Joachim Müller-Quernehm

Doppler resistive index is informative for assessment lymph nodes on EBUS for predictive diagnosis of sarcoidosis

Rostyslav Bubnov (Kyiv, Ukraine), Anatolii Serhiienko

The association between respiratory muscles and physical functioning in patients with ILD: Preliminary results

Martin Dvořáček (Bouzov, Czech Republic), Tamara Zlámalová, Sofie Breuls, Heleen Demeyer, Thierry Troosters, Monika Zúrková, Katerina Neumannová

Polymorphisms in immune related genes are associated with Sarcoidosis in Korean Population

Kateřina Sikorová (Olomouc, Czech Republic), Hee-Young Yoon, Adam Strnad, Lenka Kocourková, Su-Jin Moon, Jin Woo Song, Martin Petrek

Sarcoidosis, from bioinformatics to bench work

Thomas El Jammal (Strasbourg, France), Fabien Chevalier, Pascal Sève, Yves Pachéco, Alain Calender

Covid-19 infection in patients with sarcoidosis: clinical course and outcome – single center experience

Martina Batarilo Hadar (Zagreb, Croatia), Mateja Janković Makek, Fedža Džubur, Dina Mihelčić Korte, Dina Rnjak, Gordana Pavliša, Andrea Vukić Dugac, Miroslav Samaržija, Ana Hećimović

ANXA11 rs1049550 associates with Löfgren's syndrome and chronic sarcoidosis patients

Bekir Karakaya (Nieuwegein, Netherlands), J.J. Van Der Vis, M. Veltkamp, D. Biesma, J.C. Grutters, C.H.M. Van Moorsel

Features of the course of COVID-19 in patients with sarcoidosis

Olena Semendyayeva (Mariupol, Ukraine), Nadiya Monogarova, Kseniya Borodiy, Denis Stupachenko, Dmitriy Shevchenko

TP-7 Session 08:30 - 09:30**Thematic poster: Emerging therapeutic targets, biomarkers and mechanisms of chronic lung disease****Disease(s) :** Airway diseases Interstitial lung diseases Respiratory critical care**Method(s) :** Cell and molecular biology Physiology Imaging Transplantation Pulmonary function testing**Chairs :** Arlene Glasgow (Dublin 9, Ireland), Killian Hurley (Co. Meath, Ireland)**Elucidation of a novel mechanism of Benralizumab on human immune cells using humanized hIL-3/hGM-CSF/hIL-5 Tg NOG mice**

Satoshi Nunomura (Saga, Japan), Ryoji Ito, Yasuhiro Nanri, Kenji Izuhara

A transcriptomic, metabolic and phenotypic study of the anti-fibrotic effects of PGE2 in IPF lung fibroblasts and macrophages

Melker Göransson (Mölnådal, Sweden), Kristin Wiqvist, Madeleine Ingelsten, Zala Jevnikar, Orsolya Bilkei-Gorzo, Tomas Ottosson, Thomais Markou, Julia Lindgren, Toby M Maher, Philip L Molyneaux

Development of PRS-400, an inhaled Jagged-1 Anticalin protein for the treatment of muco-obstructive lung diseases

Matthias Hagner (Hallbergmoos, Germany), Claudia Wurzenberger, Janet Peper-Gabriel, Diana Jaquin, Nicolas Quilitz, Christina Hechinger, Thomas Jaquin, Kristina Heinig, Eva-Maria Hansbauer, Stefan Grüner, Josef Prassler, Rachida Siham Bel Aiba, Jan-Peter Mayer, Richa Bharti, Joe Alexander Wrennall, Robert Tarran, Anuradha Ray, Sally Wenzel, Christine Rothe, Shane A. Olwill, Gabriele Matschiner, Athanasios Fysikopoulos

No effect of lidocaine on ciliary beating frequency and pattern of human nasal epithelial cells in vitro

Sibel T Savas (Bern, Switzerland), Stefan A Tschanz, Philipp Latzin, Carmen Casaulta, Loretta Müller

Fluorescent PLGA nanocarriers for pulmonary administration

Aina Areny Balagueró (Sabadell, Spain), Wid Mekseriwattana, Marta Camprubí-Rimblas, Andrea Stephany, Ariana Roldán, Antonio Artigas, Daniel Closa, Anna Roig

Involvement of miRNAs as a response to extracorporeal photopheresis in the control of bronchiolitis obliterans syndrome

Sara Bozzini (Pavia, Italy), Claudia Del Fante, Monica Morosini, Cecilia Bagnera, Hatice Oya Berezhinskiy, Sophia Auner, Laura Pandolfi, Matteo Della Zoppa, Cesare Perotti, Konrad Hoetzenecker, Peter Jaksch, Alberto Benazzo, Federica Meloni

ADAM-33 and MMP-8 in bronchial asthma.

Dimo Dimov (Stara Zagora, Bulgaria), Tanya Tacheva, Donika Ivanova, Kahan Celik, Anelia Bivolarska, Tatyana Vlaykova

Airway eosinophilic inflammation indicates small airway dysfunction (SAD) in patients with mild stable or at risk for COPD – results from CAPTO-COPD

Mustafa Abdo (Grosshansdorf, Germany), Frauke Pedersen, Frederik Trinkmann, Felix J.F. Herth, Klaus F. Rabe, Anne Kirsten, Henrik Watz

MUC5AC and MUC5B expression in goblet cells of large airway epithelium in never-smokers, smokers, and COPD patients

Terezia Pincikova (Solna, Sweden), Heta Merikallio, Ioanna Kotortsi, Reza Karimi, Chuan-Xing Li, Elisa Lappi-Blanco, Sara Lindén, Médea Padra, Åsa Wheelock, Riitta Kaarteenaho, Magnus Sköld

Increased luminal narrowing but reduced wall thickness in the small airways of severe COPD patients

Andrew Higham (Manchester (Greater Manchester), United Kingdom), Josiah Dungwa, Dave Singh

COPD-associated changes in lung extracellular matrix

Mugdha M. Joglekar (Groningen, Netherlands), Maunick L. Koloko Ngassie, Niek J. Bekker, Marjan A. Reinders-Luinge, Theo Borghuis, Judith M. Vonk, Simon D. Pouwels, Barbro N. Melgert, Wim Timens, Corry-Anke Brandsma, Janette K. Burgess

Olfactory Receptors Reduce Inflammation of Lung Epithelial Cells

Daniel Weidinger (Bochum, Germany), Julian Jacobsen, Kaschin Jamal Jameel, Desiree Alisch, Hendrik Uebner, Juliane Kronsbein, Marcus Peters, Sebastian Reuter, Hanns Hatt, Jürgen Knobloch

Basal airway epithelial cells from PCD have distinct proliferative and inflammatory responses

Žofia Varényiová (Prague, Czech Republic), Laura Rojas, Jacquelyn Spano, Václav Čapek, Tyson Holmes, Carlos Milla

Cell death and proliferation-related transcripts in lung allograft airway epithelial cells

Olivia Mekhael (Toronto, Canada), Allen Duong, Benjamin Renaud-Picard, Tina Daigneault, Ankita Burman, Sajad Moshkelgosha, Stephen Juvet, Tereza Martinu

LSC - 2022 - Circular RNA expression in cystic fibrosis bronchial epithelium

Chiara De Santi (Dublin, Ireland), Killian Hurley, Agnieszka Swiatecka-Urban, Catherine Greene

Dynamic microscopic imaging and molecular characterisation of alveolar macrophage drug effects of a labelled inflammasome inhibitor in the human lung

Tom Quinn (Edinburgh (Edinburgh), United Kingdom), Antonella Pellicoro, Charles Lochenie, Emma Duffy, Richard O'Connor, Anuruddika Fernando, Erin Gaughan, Keith Finlayson, Ashley Mansell, Christopher Murphy, Adriano Rossi, Kevin Dhaliwal

Prevalence and predictors of airway hyperresponsiveness in asthma, COPD, and overlap-findings from a large real-life population

Marie Lykke Felby (Copenhagen, Denmark), Ditte Klein, Laurits Frøssing, Morten Hvidtfeldt, Uffe Bodtger, Kerstin Romberg, Leif Bjermer, Ellen Tufvesson, Celeste Porsbjerg

Effect of Bronchial Thermoplasty on Alarmin (S100A7/A8/A9) Expression in Severe Asthma.

Pierre-Alexandre Gagnon (Québec, Canada), Said Assou, Mabrouka Salem, Sabrina Biardel, John De Vos, Noel Lampron, Simon Martel, Louis-Philippe Boulet, Michel Laviolette, Catherine Laprise, Jamila Chakir

LSC - 2022 - COPD Monocyte-derived macrophages display hallmarks of senescence

Shyreen Hassibi (London, United Kingdom), Jonathan Baker, Peter Barnes, Louise Donnelly

Role of urokinase-type plasminogen activator receptor (uPAR) in senescent lung cells

Catherine Wrench (Cambridge, United Kingdom), James Dodgson, Catherine Overed-Sayer, Louise Donnelly, Peter Barnes

TP-15

Session

08:30 - 09:30

Thematic poster: Paediatric asthma management

Disease(s) : Airway diseases Respiratory critical care

Method(s) : General respiratory patient care Public health Cell and molecular biology Epidemiology Pulmonary function testing

Chairs : Antje T. Schuster (Düsseldorf, Germany), Vladyslava Kachkovska (Sumy, Ukraine)

Late Breaking Abstract - Classifying asthma control using salivary and fecal microbiome in children with moderate to severe asthma: results from the SysPharmPediA study

Jelle Blankestijn (Amsterdam, Netherlands), Alejandro Lopez-Rincon, Anne H. Neerincx, Susanne J.H. Vijverberg, Simone Hashimoto, Mario Gorenjak, Olaia Sardón-Prado, Paula Corcuera, Javier Korta-Murua, Maria Pino-Yanes, Uroš Potočnik, Christine Wolff, Susanne Brandstetter, Antoaneta A. Toncheva, Parastoo Kheiroddin, Susanne Harner, Michael Kabesch, Aletta D. Kraneveld, Mahmoud I. Abdel-Aziz, Anke H. Maitland-Van Der Zee

Late Breaking Abstract - Longitudinal data-driven definition of clinical asthma phenotypes in the pediatric arm of the ALLIANCE cohort

Alexander J. Hose (München, Germany), Erika Von Mutius, Klaus F. Rabe, Gesine Hansen, Matthias V. Kopp, Markus J. Ege

Practice pattern survey for paediatric asthma in Nepal (SPAN)

Amrit Ghimire (), Aniruddha Mukhopadhyay, Vaibhav Gaur, Jaideep Gogtay

Management of Severe Asthma in Pediatric Patients by an Interdisciplinary Team in a Public Hospital Setting.

Alvaro Teijeiro (Córdoba, Argentina), Ruben Vieyra, Analía Arteaga, Maximiliano Ermoli, Carolina Bustos, Franco Soria, Anahi Yañez

Interactive tablet application for self-report of asthma symptoms and impacts in children

Jessica Marvel (East Hanover, United States), Oskar Göransson, Marci Clark, Carla Romano, Oyebimpe Olayinka-Amao, Diane Whalley, Rebecca Crawford, Caterina Brindicci, Kristin Garg, Kattayoun Kordy, Francois Everhard, Francesco Patalano, Zach Roesler, Ross Landles, Christel Naujoks

A feasibility study of a school-based asthma programme in Malaysia conducted during COVID-19 pandemic

Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Siti Nurkamilla Ramdzan, Ee Ming Khoo, Su May Liew†, Steve Cunningham, Ee Ming Khoo

TRial to Assess Implementation of New research in a primary care Setting (TRAINS): a pragmatic cluster randomised controlled trial of an educational intervention to promote asthma prescription uptake in General Practitioner Practices

Rami Alyami (Sheffield, United Kingdom)

An international survey to establish prioritised outcomes of oral corticosteroids treatment for preschool wheeze

Bohee Lee (Edinburgh, United Kingdom), Steve Turner, Damian Roland, Steff Lewis, Steve Cunningham

Childhood asthma monitoring frequency and duration

Alexander Mathioudakis (Stockport, United Kingdom), Nikolaos Papadopoulos, Adnan Custovic, Antoine Deschildre, Wanda Phipatanakul, Gary Wong, Paraskevi Xepapadaki, . For The Pearl Group

Advanced in-vitro test setup for valved holding chambers with pediatric facemasks

Andrea Winzen (Gräfelfing, Germany), Eva-Maria Popp, Karin Steinfuehrer, Rosina Ledermueller

Study Of The Correlation Between rs242941 polymorphism in CRHR1 Gene WithThe Responsiveness of Inhaled Corticosteroid Therapy in Children with Asthma

Sy Duong-Quy (Dalat, Vietnam), Hanh Nguyen-Bich, Le Nguyen-Ngoc-Quynh, Huong Le-Thi-Minh

Differentiation of severe versus mild/moderate asthma in children, using a new pilot registry

Alexander Mathioudakis (Stockport, United Kingdom), Eleni Statha, Paraskevi Xepapadaki, Alexandra Kothra, Sophia Botskariova, Maria Kritikou, Celine Goh, David Price, Nikos Papadopoulos

Medication use in uncontrolled pediatric asthma: results from the syspharmpedia study

Amir Hossein Alizadeh Bahmani (Amsterdam, Netherlands), Elise M.A. Slob, Anne H. Neerincx, Susanne J.H. Vijverberg, Simone Hashimoto, Mahmoud I. Abdel-Aziz, Mario Gorenjak, Catarina Almqvist, Anna Hedman, Olaia Sardón Prado, Paula Corcuera, Javier Korta, Maria Pino-Yanes, Uroš Potočnik, Christine Wolff, Susanne Brandstetter, Susanne Harner, Michael Kabesch, Aletta D. Kraneveld, Mariëlle W. Pijnenburg, Gerard H. Koppelman, Anke H. Maitland-Van Der Zee

Impact of asthma on the quality of life of asthmatic children: prospective study of 126 cases

Nadia MEBROUK (Rabat, Morocco), Naima El Hafidi, Fadoua Benbrahim, Soumia Benchekroun, Chafiq Mahraoui

Efficacy of oral corticosteroids in treating preschool wheeze: A systematic review and meta-analysis

Bohee Lee (Edinburgh, United Kingdom), Jonathan Twynam-Perkins, Steve Turner, Steff Lewis, Steve Cunningham

The interest of magnesium sulfate nebulization in asthma exacerbation

Nadia MEBROUK (Rabat, Morocco), Naima El Hafidi, Fadoua Benbrahim, Chafiq Mahraoui

Secondary adrenal insufficiency with long-term inhaled corticosteroids therapy in asthmatic children

Lekshmi Sambhu Hema (Trivandrum, India), Prawin Kumar, Jagdish Goyal, Varuna Vyas, Kuldeep Singh

Implement of long-term usage of inhaled corticosteroids on physical development of children with bronchial asthma

Yevehniya Ortemenka (Chernivtci, Ukraine)

Does Omalizumab lead to sustained improvement in Asthma Control?

Elizabeth Gregson (Harrogate, United Kingdom), Angela Tang, Sarah Brookman, James Tarr, Aziz Amin, Anil Shenoy, Sonal Kansra, Clare Murray, Atul Gupta

How pediatrician manage asthma in tertiary care hospitals of Multan, Pakistan- A cross sectional study.

Ghulam Mustafa (Multan, Pakistan)

TP-11

Session

08:30 - 09:30

Thematic poster: Exhaled/blood biomarkers and lung function testing in chronic airway diseasesDisease(s) : **Airway diseases**

Method(s) : General respiratory patient care Cell and molecular biology Physiology Pulmonary function testing Epidemiology

Chairs : Marc van der Schee (Cambridge, United Kingdom), Florence Schleich (Liège, Belgium)

An original computational framework offers new perspectives for exhaled nitric oxide

Cyril Karamaoun (Ixelles, Belgium), Benjamin Mauroy, Médéric Argentina

Interval change in fractional exhaled nitric oxide (FENO) reflects short-term but not long-term change in adherence

Tunn Ren Tay (Singapore, Singapore), Xue Ning Choo, Yiong Huak Chan, Anthony Yui

Short term effect of cigarette smoke on exhaled volatile organic compounds profile analyzed by an eNose.

Silvano Dragonieri (Bari (BA), Italy), Enrico Buonamico, Agnese Caringella, Ruben Infantino, Pierluigi Intiglietta, Vincenzo Nicola Valerio, Marco Partuno, Luciana Labate, Giovanna Elisiana Carpagnano

Do particles in exhaled air samples differ between asthmatic and non-asthmatic adults?

Laura Healy (Manchester, United Kingdom), Fahad Al-Huda, Emma Barrett, Lisa Willmore, Rhys Tudge, Gina Kerry, Clare S Murray, Angela Simpson, Stephen Fowler

FENO PREDICTS SHORT TERM RISK OF MODERATE/SEVERE COPD EXACERBATIONS

ANA QUESADA QUESADA (granada, Spain), Gema Ramirez Rodríguez, Antonio Menéndez Lobo, Alejandro Romero Linares, Pedro J Romero Palacios, Bernardino Alcazar Navarrete

Outcome of acute exacerbation of COPD in patients with NASH compared with non-NASH patients: national inpatient database analysis

Ansu Karki (Cooperstown, United States), Samir Jha

Biomarkers of coagulative properties in patients admitted with AECOPD.

Peter Thobias Kamstrup, Jannie Marie Bülow Sand, Charlotte Ulrik, Julie Janner, Sarah Rank Rønnow, Diana Julie Leeming, Sidse Graff Jensen, Torgny Wilcke, Marc Miravittles, Alexander Mathioudakis, Therese Lapperre, Ruth Frikke-Schmidt, Daniel Murray, Theis Itenov, Apostolos Bossios, Susanne Dam, Jørgen Vestbo, Tor Biering-Sørensen, Morten Karsdal, Jens-Ulrik Stæhr Jensen, Pradeesh Sivapalan

Forced oscillatory technique for diagnosis and monitoring of bronchiolitis obliterans syndrome following allogeneic stem cell transplantation

Rottem Kuint (Petach Tikva, Israel), Batia Avni, Sigal Grisariu, Eran Zimran, Polina Stepensky, Neville Berkman

Expiratory flow limitation prevalence in non-hospitalized patients with COPD

Chuck Cain (Pittsburgh, United States), Michael Kissel, Melissa Weiner, Jeffrey Jasko, William Hardy, Fallon Wainwright, Mariam Louis

Detection of small airways disease by impulse oscillometry among smokers and non-smokers with normal spirometry.

KETAN MALU (MUMBAI, India), Jai Mullerpattan, Ashok Mahashur

Accuracy of impedance measurements of a novel handheld oscillometry device

Davide Bizzotto (Milano (MI), Italy), Pasquale Pio Pompilio, Alessandro Gobbi, Raffaele Dellaca'

Sputum neutrophil counts in healthy subjects: relationship with age

Augusta Beech (Manchester, United Kingdom), Dave Singh

Serum osteoprotegerin (OPG) and osteopontin (OPN) in patients with COPD during two-year follow-up study

Dimo Dimov (Stara Zagora, Bulgaria), Tanya Tacheva, Yanitsa Zhelyazkova, Tatyana Vlaykova

Impulse Oscillometry is a reproducible assessment of airway resistance and reactance in well-controlled asthmatics and healthy controls

Lene Moelgaard Pedersen (, Denmark), Helle Haagensen Andersen, M Mousa, N Mousa, Anne Sofie Bjerrum, Tina Skjold, Torben Smidt-Hansen, Hans Jürgen Hoffmann, Johannes Schmid

The Importance of Immature Platelet Fraction in Stable and Exacerbation Periods in COPD and its Relationship with Systemic Inflammation

Fatma Çiftci (Ankara, Turkey), Nasser Elmi Absieh, Aslihan Gürün Kaya, Miraç Öz, Özlem Doğan, Serhat Erol, Aydın Çiledağ, Akın Kaya

Randomised, double-blind, placebo-controlled study to assess long-term effect of dupilumab on prevention of lung function decline (LFD) in patients with uncontrolled moderate-to-severe asthma: ATLAS trial

Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Lucia De Prado Gomez, William Busse, Christopher E Brightling, Michael E Wechsler, Klaus F Rabe, Mei Zhang, Jun Xing, Juby A Jacob-Nara, Paul J Rowe

Diagnosis and management of Eosinophilic Granulomatosis With Polyangiitis: Perspective from the Severe Asthma Clinic

Youxin Puan (Singapore, Singapore), Pei Yee Tiew, Kheng Yong Ong, Mariko Siyue Koh

Association between nasal polyposis and T2 airway inflammation in severe asthma

Zsolt Vastag (, Romania), Emanuela Tudorache, Noemi Suppini, Cristian Oancea, Ovidiu Fira-Mladinescu

Bronchoconstriction status affects FENO values in asthma patients

Maud Akset (Forest, Belgium), Alain Van Muylem, Amaryllis Haccuria, Silvia Perez Bogerd, Andrei Malinovski, Alain Michils

A tool to facilitate spirometry quality control assessment using 2019 standards

Marko Topalovic (Kessel-lo, Belgium), Brian Graham, Sanja Stanojevic, Massimo Corradi, Eva Topole, Sonia Biondaro, Isabella Montagna, Sandrine Corre, Nilakash Das

TP-1 Session 08:30 - 09:30**Thematic poster: Diagnostic approaches to dyspnoea, chronic cough and upper airway dysfunction**

Disease(s) : **Airway diseases** **Thoracic oncology** **Interstitial lung diseases** **Sleep and breathing disorders**

Method(s) : General respiratory patient care Physiology Endoscopy and interventional pulmonology Imaging Surgery Epidemiology Pulmonary function testing Public health

Chairs : Olga Huivaniuk (Chernivtsi, Ukraine), Afroditi Boutou (Thessaloniki, Greece)

Is chronic cough an additional marker for lung function decline?

Hazim Abozid (Wien, Austria), Miranda Kirby, Sylvia Hartl, Robab Breyer-Kohansal, Marie-Kathrin Breyer, Otto C Burghuber, Jean Bourbeau, Emiel F M Wouters, Wan Tan On Behalf Of The Cancold Collaborative Research Group And The Canadian Respiratory Research Network

The evaluation of Exercise Induced Laryngeal Obstruction (EILO) performed by inexperienced physicians

Petter Carlsen (, Norway), Praveen Muralitharan, Maria Vollsæter, Ida Jansrud Hammer, Thomas Halvorsen, Ola Drange Røksund, Hege Sunnøve Havstad Clemm

Comparison of lung function among middle-aged and elderly asthma, chronic obstructive pulmonary disease and asthma-COPD overlap: A 4-year large sample single-center retrospective study

Hui Gan (Guagnzhou, China), Zheng Zhu, Yi Gao, Xinxin Yu, Xiangqin Hou, Baoqing Sun

A putative link between pertussis and gastroesophageal reflux with high rates of pulmonary aspiration.

Gregory Falk (Lindfield, Australia), Leticia Burton, Daminda Weerasinghe, Hans Van Der Wall

A Service Evaluation of the Multidisciplinary Diagnostic Centre – a novel service for early detection of cancer in patients presenting with non-specific symptoms

Louise Jordon (London, United Kingdom), Ritesh Kumar, Rebecca Coles, Julie Deacon, Thida Win

Different clinical symptom patterns in patients with reflux micro-aspiration confirmed by new pulmonary aspiration scintigraphy technique

Gregory Falk (Lindfield, Australia), Oleksandr Khoma, Jin-Soo Park, Felix Lee, Hans Van Der Wall

Investigating the Prevalence of Oesophageal Dysmotility in Patients with Refractory Chronic Cough

Dominic Sykes (Hull, United Kingdom), Michael G Crooks, Simon P Hart, Warren Jackson, John Gallagher, Alyn H Morice

Impact of breathlessness on quality of life and healthcare use in Australia

Anthony Paulo Sunjaya (Sydney, Australia), Leanne Poulos, Gian Luca Di Tanna, Guy Marks, Helen Reddel, Christine Jenkins

Laryngeal findings during exercise in Healthy Athletes

Petter Carlsen (, Norway), Praveen Muralitharan, Maria Vollsæter, Mette Engan, Ida Jansrud Hammer, Thomas Halvorsen, Ola Drange Røksund, Hege Sunnøve Havstad Clemm

Swallowing dysfunction and decreased appetite in patients with chronic respiratory disease.

Ayumu Akiyama (Hamamatsu-shi, Japan), Shinichi Arizono, Yuichi Tawara, Yasuhiko Tsujimura, Tetsuo Hiramatsu

Structural features in chronic cough assessed by computed tomography (CT)

Hazim Abozid (Wien, Austria), Miranda Kirby , Sylvia Hartl, Robab Breyer- Kohansal , Marie-Kathrin Breyer, Otto C Burghuber , Jean Bourbeau , Emiel F M Wouters, Wan Tan On Behalf Of The Cancold Collaborative Research Group And The Canadian Respiratory Research Network

Obesity hypoventilation syndrome prevalence by stages of severity in obese population

delphine delample (Castries, France), Rozita Lorblanches, Nicolas Molinari, Bouziane Benhalima, Elena Ciomaga, Frederic Sanguinol, Abdelkebir Sabil, Mathieu Despeaux

Has the pandemic changed the test quality of the pulmonary function test laboratory?

Dorina Rama Esendagli (Ankara, Turkey), Eylem Gul, Aylin Ozsancak, Sule Akcay, Gaye Ulubay

Diaphragm ultrasound and respiratory functional test: a combined approach in amyotrophic lateral sclerosis

Fausta Viccaro (Roma, Italy), Letizia D'Antoni, Antonella Sotgiu, Krisstopher Richard Flores, Ernesto Di Biase, Mariaelisabetta Cardini, Paolo Palange

Validation of a small cough detector in the clinic

Christian F. Clarenbach (Zürich, Switzerland), Manuel Kuhn, Elif Nalbant, Dario Kohlbrenner, Mitja Agle, Alexandra Arvji, Noriane Sievi, Erich W. Russi

Seeing is believing: a paediatric 'Therapeutic and Dynamic Airway Assessment' (TaDAA) service

Kushalini Hillson (Great Kingshill, United Kingdom), Melanie Peck, Caroline Pao, Sarah Brown, Chinedu Nwokoro, Nara Oban, Surendran Thavagnanam

Unexplained dyspnea by cardiopulmonary exercise test

Katiuska Herminia Liendo Martinez (madrid, Spain), Walther Ivan Girón Matute, Julia Garcia De Pedro , Ji Zichen, Luis Puente Maestu, Paola Antonella Benedetti

Barriers of use of patient-reported outcome measures (PROMs) in asthma and rhinitis care: preliminary insights from the multinational "PROMUSE" study

Ivan Cherrez-Ojeda (Guayaquil, Ecuador), Jean Bousquet, Marcus Maurer, Torsten Zuberbier, German Darío Ramón, Désirée Larenas-Linnemann, Chrystopherson Caballero-López, M.A. Al-Nesf Al-Mansouri, Tayseer Mohammed Ibrahim, Sophia Neisinger, Daria Fomina, Anna Zalewska, Rabia Öztaş, Florin Mihaltan, Alicja Kasperska-Zajac, Pavel Kolkhir, Roberta F. Criado, Luis Felipe Ensina, Herberto Jose Chong Neto, Nelson Rosario, Ana Giménez-Arnau, David Pesqué, Carolina Crespo Shijin, Romina Hinojosa Logroño, Karla Robles-Velasco

Comorbidities in patients with Obstructive Sleep Apnea syndrome (OSAS) in Réunion Island.

Bashir Omarjee (Saint-Denis (La Réunion), Reunion), Suren Budhan, Christian Kichenin, Asma Omarjee, Jean François Vellin

Children's united airways clinic – evaluation & carer satisfaction of a UK Regional joint ENT-Respiratory clinic.

Matthew Hurley (Nottingham, United Kingdom), Isabelle Sheeran, Rachel Gregory, Rebecca Devaney, Mat Daniel

TP-3 Session 08:30 - 09:30**Thematic poster: Remote monitoring and self-management of respiratory patients**

Disease(s) : **Airway diseases** **Interstitial lung diseases** **Sleep and breathing disorders**

Method(s) : General respiratory patient care Pulmonary rehabilitation Imaging Physiology Pulmonary function testing
Epidemiology Public health

Chairs : Esther I. Metting (Groningen, Netherlands), Paula Maria Gonçalves Pinto (Lisboa, Portugal)

Feasibility of an asthma app to monitor inhaler adherence in primary care: a 4-month prospective multicentre study

Rita Amaral (Porto, Portugal), Cristina Isabel Oliveira Jácome, Sara Rocha, Francisca Cardia, Rui Lobo, Tania Ferreira, Cristina Guimarães, Ana Margarida Cruz, Daniela Morais, Rosália Páscoa, Inês Vieira, Sofia Silva, Carlos Santos, Luís Monteiro, Rosário Monteiro, Natalina Rodrigues, Margarida Cepa, Maria João Faria, Ana Monteiro Penas, Angela Neves, Inês Rosendo, Carlos Seíça Cardoso, Rui Oliveira, Daniela Sousa Coelho, José Varanda Marques, Bruno Reis, Sara Fernandes, Patricia Meireles, Filipa Pimenta, Luis Salgueiro, Margarida Abreu Aguiar, Ana Rita Mourão, Ana Margarida Pereira, Rute Almeida, Magna Alves-Correia, Jaime Correia De Sousa, João Almeida Fonseca

Experiences of home-monitoring in patients with Interstitial Lung Disease (ILD): An exploratory, qualitative study

Jessica Mandizha (Exeter, United Kingdom), Michael Gibbons, Sarah Lines, Graham Brown, Ana Jorge Da Ponte, Anna Duckworth, Rebecca Shuttleworth, Matthew Steward, Chris Scotton, Maureen Cosby, Alexander Berry, Anne-Marie Russell

Improved outcomes with use of the LenusCOPD digital service in the DYNAMIC-SCOT study

Anna Taylor (Glasgow, United Kingdom), Morgan Dow, Andrew Cushing, David Lowe, Paul Mcginness, Chris Carlin

Daily heart rate characteristics, allergy symptom severity and mood in adults with allergic rhinitis

Joren Buekers (Barcelona, Spain), Michiel Stas, Raf Aerts, Nicolas Bruffaerts, Sebastien Dujardin, An Van Nieuwenhuyse, Jos Van Orshoven, Guillaume Chevance, Ben Somers, Jean-Marie Aerts, Judith Garcia-Aymerich

The interest of telemonitoring on treatment abandonment in patients with home noninvasive ventilation: the O'telo observation study.

Raphaël Le Mao (Brest, France), Joelle Texereau, Frederique Kremer, Mathieu Rose, Christophe Gut Gobert

Effectiveness of a reliever-based Digital System on asthma control

Flavia Hoyte (Denver, United States), Giselle Mosnaim, Linda Rogers, Guilherme Safioti, Randall Brown, Thomas Li, Michael Depietro, Michael Reich, Tanisha Hill, Michael Wechsler

Data from a reliever-based Digital System supports patient-clinician interactions in asthma

Flavia Hoyte (Denver, United States), Giselle Mosnaim, Linda Rogers, Guilherme Safioti, Randall Brown, Thomas Li, Michael Depietro, Michael Reich, Tanisha Hill, Michael Wechsler

Is daily home spirometry feasible in remote monitoring of interstitial lung disease?

Colin Edwards (Dublin, Ireland), Sarah Barth, Gauri Saini, Yussef Haider, Nicholas Williams, William Storrar, Iain Stewart, Gisli Jenkins, Melissa Wickremasinghe

Using digital technology for home monitoring in children and adolescents with cystic fibrosis

Daniela Savi (Rome, Italy), Valeria Raia, Antonella Tosco, Angela Sepe, Raffaele Cerchione, Giulia Borgia, Camilla Romano, Antonio Di Pasqua, Paolo Buonpensiero

Health status progression measured using weekly COPD Assessment Test (CAT) scores over 1 year and its association with COPD exacerbations

Paul Jones (London, United Kingdom), Toru Soutome, Taizo Matsuki, Masahiro Shinoda, Osamu Hataji, Motohiko Miura, Masaharu Kinoshita, Akira Mizoo, Kazunori Tobino, Takanobu Nishi, Takeo Ishii, Yoko Shibata

Views on features of an 'app' to support asthma self-management among Malaysian adults with limited health literacy: a feasibility study

Ee Ming Khoo (Kuala Lumpur, Malaysia), Ai Theng Cheong, Shariff Ghazali Sazlina, Ping Yein Lee, Hani Salim, Noor Harzana Harrun, Bee Kiau Ho, Salbiah Mohamad Isa, Norita Hussein, Nik Sherina Hanafi, Hilary Pinnock

Accuracy of a wearable device for assessing sedentary behavior in Chronic Obstructive Pulmonary Disease

Wade Michaelchuk (Toronto, Canada), Roger Goldstein, Dina Brooks

Home monitoring for patients on biologic asthma therapies – are patients up for it?

Hitasha Rupani (Southampton, United Kingdom), James Rose, Nichola Cookson, Alexandra Nanzer, Gemma Hayes, Dominic Shaw, Yik Lam Pang, Grainne D'Ancona

Improving symptom perception in asthmatic children: a pilot study using feedback on home-monitoring measurements

Ingrid de Bekker (Enschede, Netherlands), Mattiënne Van Der Kamp, Job Van Der Palen, Anke Lenferink, Boony Thio

Results from a test of change project using the MyCOPD app with pulmonary rehabilitation patients

Nicola J. Roberts (Edinburgh, United Kingdom), Susan McNarry, Elizabeth Payne, Gourab Choudhury

Wearable lung monitoring device with integrated non-invasive chest imaging and sound recording: a clinical validation study

Inez Frerichs (Kiel, Germany), Josias Wacker, Rita Paradiso, Vassilis Kilintzis, Bruno M. Rocha, Fabian Braun, Michaël Rapin, Laura Caldani, Nikolaos Beredimas, Romanos Trechlis, Claas Strodthoff, Rui P. Paiva, Nikolaos Maglaveras, Norbert Weiler

Measuring adherence to inhaled control medication in patients with asthma: comparison among an asthma app, patient self-report and physician assessment

Afonso Cachim (,), Ana Margarida Pereira, Rute Almeida, Rita Amaral, Magna Alves-Correia, Pedro Vieira-Marques, João Almeida Fonseca, Cristina Isabel Oliveira Jácome

Mobile application to prepare the ALS patient and clinical specialist for the first consultation on home mechanical ventilation

Sander Steijns (Margraten, Netherlands), Marijke Rutten

Late Breaking Abstract - Validation of a novel wearable monitoring patch for continuous respiratory monitoring

Roberto Garcia Van Der Westen, John Fredy Morales, Gabriela Yordanova, Willemijn Groenendaal, Carlos Agell

TP-25

Session

08:30 - 09:30

Thematic poster: Non-PAH pulmonary hypertension**Disease(s) :** Pulmonary vascular diseases Sleep and breathing disorders Airway diseases**Method(s) :** General respiratory patient care Pulmonary function testing Imaging Physiology Cell and molecular biology
Epidemiology Surgery Respiratory intensive care**Chairs :** Stéphanie Saxer (Zürich, Switzerland), Gabor Kovacs (Graz, Austria)**Study of a novel hypoxia system to evaluate endothelial cell dysfunction in chronic thromboembolic pulmonary hypertension (CTEPH)**

Ylenia Roger (Barcelona, Spain), Isaac Almendros, Esther Marhuenda, Adelaida Bosacoma, Anna Sardiné, Àngela Vea, Ana Ramírez, Victor I. Peinado, Isabel Blanco, Manuel Castellà, Joan A. Barberà, Olga Tura

MicroRNA expression in Chronic Thromboembolic Pulmonary Hypertension

Isabelle Opitz (Zurich, Switzerland), Theodoros Papisotiropoulos, Itzel S. Martínez López, Fabian Schläpfer, Silvia Ulrich, Michaela B Kirschner

Pulmonary Hypertension (PH) due to Pulmonary Embolism (PE) secondary to COVID19 – A District General Hospital (DGH) experience from the UK

Noor Mahdi (London, United Kingdom), Iftikhar Nadeem, Masood Ur Rasool, Stephanie Radoja, Faisal Rashad, Anoop Babu

Balloon pulmonary angioplasty for chronic thromboembolic pulmonary hypertension improves sleep-disordered breathing

Klaus Hackner (Krems, Austria), Christian Gerges, Sophia Bauer, Meinhard Kneussl, Peter Errhalt, Shahrokh Javaheri, Irene Marthe Lang

Right atrial pressure to pulmonary artery wedge pressure ratio in chronic thromboembolic pulmonary hypertension

Athiththan Yogeswaran (Giessen, Germany), Khodr Tello, Samuel J. Kaufmann, Natascha Sommer, Zvonimir Rako, Hossein A. Ghofrani, Werner Seeger, Manuel J Richter, Henning Gall

Carbon dioxide and alveolar dead space as prognostic markers for pulmonary endarterectomy patients

Isabelle Opitz (Zurich, Switzerland), Katarzyna Furrer, Jan Welsch, Dominique Bettex, Thomas Horisberger, Ilhan Inci, Reto Schuepbach, Michaela B. Kirschner, Silvia Ulrich, Alessandra Matter

Pulmonary thromboendarterectomy after COVID-19 infection: USA single center experience

Angela Bautista (La Jolla, United States), Michael Madani, Victor Pretorius, Jenny Yang, Timothy Fernandes, Demosthenes Papamatheakis, David Poch, Kim Kerr, Nick Hyong Kim

Medical bridging therapy before pulmonary endarterectomy?

Joanna Pepke-Zaba (Cambridge, United Kingdom), David P. Jenkins, Elie Fadel, Gérald Simonneau, Nick H. Kim, Michael M. Madani, Hiromi Matsubara, Marion Delcroix, Irene M. Lang, Eckhard Mayer

Evaluation of chronic thromboembolic pulmonary hypertension: a pilot-study

Barbara Ruaro (Trieste, Italy), Paola Confalonieri, Gaetano Caforio, Chiara Torregiani, Pietro Geri, Riccardo Pozzan, Silvia Pichierrì, Marco Confalonieri, Francesco Salton

Remodeling of small airways and their associated vasculature is a hallmark of Idiopathic Pulmonary Fibrosis.

Andres Moran-MacDonald (Vancouver, Canada), Keith Wu, Kohei Ikezoe, Stacey Ledoux, Joel Cooper, Jim Hogg, Dragos Vasilescu, Tillie Hackett

Acute vasoreactivity in WSPH Group-3 pulmonary hypertension and relation to inhaled treprostinil response

Eileen Harder (Boston, United States), David Systrom, Aaron Waxman

Clinical phenotypes and outcomes of severe pulmonary hypertension associated with chronic obstructive pulmonary disease

Alexandre Diaz (Saint Etienne, France), David Montani, Samy Chelabi, Xavier Jais, Laurent Savale, Marios Froudarakis, Souad Bezzeghoud, Athénais Boucly, Mitja Jevnikar, Olivier Sitbon, Laurent Bertoletti, Marc Humbert

Recognition of early pulmonary structural changes with real-time high fidelity expiratory CO2 analysis

Teresa Sassmann (Graz, Austria), Michael Pienn, Gabor Kovacs, Philipp Douschan, Vasile Foris, Nikolaus John, Katarina Zeder, Andreas Zirlik, Horst Olschewski

Efficacy of Digoxin in isolated Right ventricular Dysfunction due to Chronic Pulmonary Diseases

Sudarsan Pothal (Puri, India), Narendra Tengli, Nayan Patel, Aurobindo Behera

Hemodynamic mechanisms in patients with pulmonary hypertension and chronic obstructive pulmonary disease: a retrospective monocentric cohort study

Pierre Thoré (Nancy, France), Jean Staentzel, Simon Valentin, Anne Guillaumot, Christine Selton-Suty, Emmanuel Gomez, François Chabot, Ari Chaouat

Pulmonary Vascular Calcification As A Pathomechanism In Pulmonary Hypertension Due To Left Heart Disease
Shao-Fei Liu (Berlin, Germany), Mariya M. Kucherenko, Pengchao Sang, Qiuhua Li, Juquan Yao, Netra Nambiar Veetil, Tara Gransar, Ioana Alesutan, Jakob Voelk, Christoph Knosalla, Wolfgang M. Kuebler

Right ventricle – pulmonary artery coupling is a risk factor for mortality in patients with pulmonary hypertension associated with heart failure and preserved ejection fraction
Saleh Nazzal (Nahef, Israel), Shemy Carasso, Claudia Simsolo, Marwan Amara, Yochai Adir

The effect of parenchymal lung disease on patient characteristics and outcome in SSc-PH: Insights from the ASPIRE registry
Robin Condliffe (Sheffield (South Yorkshire), United Kingdom), Ashraful Haque, Krit Divwedi, Robert Lewis, Athanasios Charalampopoulos, Charlie Elliot, Abdul Hameed, Neil Hamilton, Sheila Ramjug, Alex Rothman, Andy Swift, Roger Thompson, David Kiely

Pulmonary hypertension and ECG synchronized CT scan for pulmonary artery pulsatility calculation in pre-TAVI patients and prognostic significance
Yochai Adir (Haifa, Israel), Johad Khoury, Ibrahim Naoum, Yuval Shachaf, Magdi Qdah, Ronin Yaffi

Right ventricular myocardial dysfunction in patients (pts) after severe coronavirus disease (COVID-19)
Oleksandr Fesenko (Slobozhanske, Ukraine), Lada Siabro, Kseniia Bielosludtseva

TP-23

Session

08:30 - 09:30

Thematic poster: New tools for the diagnosis of interstitial lung diseases

Disease(s) : [Interstitial lung diseases](#)

Method(s) : General respiratory patient care Physiology Public health Respiratory intensive care Epidemiology Pulmonary function testing Imaging Palliative care Pulmonary rehabilitation Cell and molecular biology

Chairs : Yet Hong Khor (Melbourne (VIC), Australia), Stéphane Jouneau (Rennes Cedex, France)

6-minute walk test in fibrotic interstitial lung disease (ILD)

Yet Hong Khor (Melbourne (VIC), Australia), Kerri A Johannson, Veronica Marcoux, Jolene H Fisher, Deborah Assayag, Nasreen Khalil, Julie Morisset, Martin Kolb, Christopher J Ryerson

A modified blood cell GAP (cGAP) to prognosticate outcomes in IPF

Michael Kreuter (Heidelberg, Germany), Joyce S Lee, Argyrios Tzouvelekis, Justin M Oldham, Philip L Molyneaux, Derek Weycker, Mark Atwood, Klaus-Uwe Kirchgässler, Toby M Maher

Evaluation of home monitoring for patients with interstitial lung disease during the COVID-19 pandemic

Gizal Nakshbandi (Barendrecht, Netherlands), Karen Moor, Adriane D.M. Vorselaars, Marlies S. Wijsenbeek

Digital device usage for home-monitoring in interstitial lung disease [ILD]:mixed-method survey

Rebecca Shuttleworth (Exeter, United Kingdom), Malik Althobiani, Anna Duckworth, John Conway, Johnathan Dainton, Sarah Lines, Jessica Mandizha, Ana Jorge Da Ponte, Chris Scotton, Michael Gibbons, Anne-Marie Russell

Remote Early Identification of Disease Progression in Connective Tissue Disease related Interstitial Lung Disease (CTD-ILD) using Digital Patient Empowered Monitoring

Wan Lin Ng (Dublin, Ireland), Rebecca O'Farrell, Anja Schweikert, Donough Howard, Laura Durcan, Killian Hurley

Interstitial Lung Diseases Virtual Clinics: a novel medical education method during pandemic times

Brenda Elena Varela (Ciudad Autónoma Buenos Aires, Argentina), Gabriela Claudia Tabaj, Lucas Sheridan

The Brainomix automated e-ILD CT algorithm outperforms forced vital capacity in predicting outcomes for patients with idiopathic pulmonary fibrosis

Peter George (London, United Kingdom), Christian Rennison-Jones, Stephen Gerry, Gauri Gupta, Olivier Joly, Eric Greveson, George Harston, Anand Devaraj

Reticulation is associated with the risk of disease progression in interstitial lung diseases

Minna Mononen (Kuopio, Finland), Eeva Saari, Hannele Hasala, Hannu-Pekka Kettunen, Sanna Suoranta, Hanna Nurmi, Jukka Randell, Jari Laurikka, Toomas Uibu, Miia Kärkkäinen, Tuomas Selander, Heikki Koskela, Riitta Kaarteenaho, Minna Purokivi

Characterization of Idiopathic Pulmonary Fibrosis (IPF) and Combined Pulmonary Fibrosis and Emphysema (CPFE) using Respiratory Oscillometry

Joyce Wu (Richmond Hill, Canada), Jessica Jia-Ni Xu, Cynthia Nohra, Anastasiia Vasileva, William Matthew Binnie, Shane Shapera, Jolene Fisher, Clodagh Ryan, Micheal Mcinnis, Zoltan Hantos, Chung-Wai Chow

Preliminary data of the risk stratification score (RISE) prospective, multi-centre, 3-year, validation trial in idiopathic pulmonary fibrosis.

Gian Marco Manzetti (Marino, Italy), Karishma Hosein, Matthew J Cecchini, Keith Kwan, Mohamed Abdelrazek, Maurizio Zompatori, Paola Rogliani, Marco Mura

Can FDG-PET/CT imaging be used to prognosticate in Interstitial Lung Disease? A prospective study of the relationship between FDG-PET/CT measurements and quality of life.

Iftikhar Nadeem (BEDFORD, United Kingdom), Louise Jordon, Balaji Ganeshan, Luke Hoy, Noor Mahdi, Joanna Porter, Ashley Groves, Thida Win

Interstitial lung abnormality evaluated by automated quantification system: prevalence and progression rate

Ju hyun Oh, Grace Hyun J. Kim, Jin Woo Song

Pleuroparenchymal Fibroelastosis impact in Idiopathic Pulmonary Fibrosis outcomes

Nuno Faria (Porto, Portugal), Sara Dias, Miguel Silva, Diogo Carvalho, André Carvalho, Patrícia Caetano Mota, Natália Melo, Hélder Novais Bastos, André Terras Alexandre, Conceição Souto Moura, Susana Guimarães, Oksana Sokhatska, Rui Cunha, José Miguel Pereira, António Morais

Coexistence of pleuroparenchymal fibroelastosis and hypersensitivity pneumonitis – analysis of prognostic impact

Sara Catarina Dias (Braga, Portugal), Nuno Faria, Miguel Silva, Diogo Carvalho, André Carvalho, Patrícia Caetano Mota, Natália Melo, Hélder Novais-Bastos, André Terras Alexandre, Conceição Souto Moura, Susana Guimarães, Oksana Sokhatska, Rui Cunha, José Miguel Pereira, António Morais

Microbiology profile of BAL in interstitial lung disease patients

Erik Palmer (Eger, Hungary), Alexandra Nagy, Tamas Nagy, Nora Toth, Lorinc Polivka, Krisztina Vincze, Noemi Eszes, Aniko Bohacs, Veronika Müller

Cardiopulmonary Exercise Test Could Provide Prognostic Value of 1-year Mortality in Patients with Newly Diagnosed Idiopathic Pulmonary Fibrosis: A Real-World Experience

Pin-Kuei Fu (Taichung, Taiwan), Yuan-Yang Cheng

Fibroblast activation protein and disease severity, progression and survival in IPF

Thomas Skovhus Prior (Egå, Denmark), Nils Hoyer, Jesper Rømhild Davidsen, Saher Burhan Shaker, Bent Winding Deleuran, Elisabeth Bendstrup, Tue Wenzel Kragstrup

Late Breaking Abstract - Transcriptomic differences in lung apices and bases in idiopathic pulmonary fibrosis (IPF)

Nick Wilson (Parkville, Australia), Mae Wong, Cristina Gamell, Monther Alhamdoosh, Laura Mcmillan, Martin Staempfli, Glen Westall, Jade Jaffar

Late Breaking Abstract - Blood neutrophil levels in IPF patients are significantly associated with quantitative radiological progression

Andrew Achaiah (Oxford, United Kingdom), Emily Fraser, Peter Saunders, Rachel Hoyles, Rachel Benamore, Ling-Pei Ho

Late Breaking Abstract - Data-driven multivariate cohort selection and automated CT scan lung volume measurement identifies disease progression in Idiopathic Pulmonary Fibrosis (IPF)

Harry Manners, Tom Mclellan, Kiril Kirov, Mike Roberts, Fahdi Kanavati, Gordon Mckenzie, Darren Gallagher, James Hainsworth, Davinder Dosanjh, Phil Molyneaux, Alessandro Ruggiero, Muhunthan Thillai

TP-16

Session

08:30 - 09:30

Thematic poster: Respiratory care in neonatal and paediatric intensive care units**Disease(s) :** Interstitial lung diseases Pulmonary vascular diseases Respiratory critical care Airway diseases**Method(s) :** Respiratory intensive care Physiology Cell and molecular biology Palliative care Imaging Pulmonary function testing General respiratory patient care Endoscopy and interventional pulmonology Pulmonary rehabilitation Epidemiology**Chairs :** Anna Lavizzari (Milano (MI), Italy), Emanuela Zannin (Milano (MI), Italy)**Bedside lung function monitoring in preterm infants by oscillatory mechanics and lung ultrasound**

Emanuela Zannin (Milano (MI), Italy), Camilla Rigotti, Cattaneo Federico, Abedulrhman Abdelfattah, Maria Luisa Ventura

Non-invasive low-frequency oscillatory mechanics in newborn infants

Sotirios Fouzas (Patras, Greece), Panoraia - Maria Iliopoulou, Gabriel Dimitriou

Telomere length in preterm-born children with bronchopulmonary dysplasia (BPD)

Ella Kotecha (Cardiff, United Kingdom), Lei Zhang, Ali Aboklaish, Michael Cousins, Kylie Hart, Sarah Kotecha, W John Watkins, Sailesh Kotecha

Azithromycin resistance in the stool of preterm infants at risk of chronic lung disease of prematurity (CLD)

Chris Course (Cardiff, United Kingdom), David Gallacher, Ali Aboklaish, Lei Zhang, Julian Marchesi, Sailesh Kotecha

Lung clearance index using a novel washout device is elevated in premature infants

Claire Nissenbaum (Manchester, United Kingdom), Anna Shawcross, Catherine Fullwood, Ajit Mahaveer, Clare S Murray, Alexander Horsley

Oscillometry and mean airway pressure (MAP) titration in extremely preterm infants

Beatrice Bonomi (Milano, Italy), Tobias Werther, Chiara Veneroni, Erik Kueng, Raffaele Dellacà

Non-invasive Neurally Adjust Ventilatory Assist (NIV-NAVA) versus Nasal Intermittent Positive Pressure Ventilation (NIPPV) at equivalent Peak Inspiratory Pressure (PIP) in preterm infants: a randomized cross-over trial.

Anna Lavizzari (Milano (MI), Italy), Chiara Veneroni, Nicole Sirianni, Beatrice Bonomi, Chakib Boudjellel, Mariarosa Colnaghi, Fabio Mosca, Raffaele L Dellacà

Estimation of the alveolar surface area using functional morphometry in extremely preterm infants

Emma Williams (London, United Kingdom), Mahesh Nanjundappa, Grace Okoye, Raghu Subba-Rao, Anne Greenough, Theodore Dassios

National survey of closed-loop automated oxygen control systems in neonatal intensive care units.

Ourania Kaltsogianni (London, United Kingdom), Theodore Dassios, Rayhan Belbal, Anne Greenough

Response to added deadspace in infants exposed to second-hand smoke in pregnancy

Ourania Kaltsogianni (London, United Kingdom), Nadja Bednarczuk, Emma Williams, Rebecca Lee, Ravindra Bhat, Theodore Dassios, Anne Greenough

Lung biopsy in neonates needing extracorporeal membrane oxygenation for undiagnosed recalcitrant pulmonary hypertension: survey of current practice

John King (London, United Kingdom), Maura O'Callaghan, Timothy Thiruchelvam, Ajay Desai, Andrew Bush, Samatha Sonnappa

Use it or lose it! A multidisciplinary protocol for early speaking valve use in children with tracheostomy

Sammy Reed (London, United Kingdom), Brenda Carty, Suren Thavagnanam, Muna Dahabreh, Nara Orban, Tincy Abraham, Emma Bould, Sarah Brown, Caroline Pao, Chinedu Nwokoro, Tash Roberts

Effect of skin-to-skin contact (SSC) on respiratory parameters in premature infants with bronchopulmonary dysplasia (BPD)

Ana Serrano-Llop (LONDON, United Kingdom), Laura De-Rooy, Peter Cornuau, Donovan Duffy, Anay Kulkarni, Sandeep Shetty

Early Mobilization Program in a Pediatric Intensive Care Unit

Esther Garcia Delgado (Madrid, Spain), Elsa Sanchez Ezquerro, Esther Tores Garcia, Sergio Moran Arribas, Patricia Herrera Monge, Alejandra Daza Diaz, Margarita Protero Diaz, Alicia Rodriguez Martin, Sofia Garcia De Las Peñas, Olga Ordoñez Saez, Victoria Ramos Casado, María Hernandez Gil, Esther Lopez Sanchez, Gema Prieto Arroyo

Pulmonary complications after liver transplantation in children

Gizem Özcan (Ankara, Turkey), Ceyda Tuna Kirsaciloglu, Fazilcan Zirek, Merve Nur Tekin, Hasan Ozen, Tanil Kendirli, Meltem Kologlu, Zarife Kuloglu, Nazan Cobanoglu

The influence of sex on the outcomes of premature infants receiving postnatal corticosteroids

Ourania Kaltsogianni (London, United Kingdom), Rebecca Lee, Emily Kostina, Christopher Harris, Theodore Dassios, Anne Greenough

Endoscopic treatment of tracheoesophageal fistula: new perspective towards replacement of surgical repair

Loraine Fabri (Bruxelles, Belgium), Laurence Hanssens, Henri Steyaert, Nicolas Lefèvre

Late Breaking Abstract - Effect of cannula size on oxygen saturation during nasal high flow therapy in newborns

Pavel Mazmanyan (Yerevan, Armenia), Ella Mirzoyan, Maximilian Pinkham, Stanislav Tatkov

Late Breaking Abstract - COVID-19 in patients diagnosed with persistent tachypnea of infancy

Honorata Marczak (Warszawa, Poland), Katarzyna Krenke, Joanna Lange, Stanisław Bogusławski

TP-10

Session

08:30 - 09:30

Thematic poster: In vivo and in vitro studies of airway diseasesDisease(s) : **Airway diseases** **Interstitial lung diseases** **Respiratory critical care**

Method(s) : Cell and molecular biology Physiology General respiratory patient care Imaging

Chairs : Lena Uller (Lund, Sweden), Andrew Higham (Manchester (Greater Manchester), United Kingdom)

Cysteinyl-maresin 3 inhibits IL-13 induced airway hyperreactivity through alternative activation of the CysLT1 receptor

Jesper Säfholm (Solna, Sweden), Willem Abma, Craig E. Wheelock, Sven-Erik Dahlén, Mikael Adner

Features of rhinovirus-induced exacerbation of HDM-challenged mice

Sofia Tillgren (Ramlösa, Sweden), Samuel Cerps, Mandy Menzel, Irma Mahmutovic Persson, Juan José Nieto Fontarigo, Hamid Akbarshahi, Lena Uller

The anti-inflammatory and antifibrotic effects of a novel, pan-phosphodiesterase inhibitor in murine model of allergic asthma

Katarzyna Wójcik-Pszczola (Kraków, Poland), Krzysztof Pocięcha, Elżbieta Wyska, Grażyna Chłoń-Rzepa, Hanna Plutecka, Monika Zadrożna, Barbara Nowak, Paulina Koczurkiewicz-Adamczyk, Elżbieta Pękala, Reinoud Gosens

Inhaled NXP002 attenuates LPS-induced inflammatory and fibrotic mediator production in the rat lung

Bob Humphries (Aachen, Germany), Mark Saunders, Simon Cruwys

Anti-fibrotic effect and in vivo target engagement of Nintedanib administered by oral gavage or by a medicated diet in a bleomycin lung fibrosis model in the rat

Marcello Trevisani (Parma, Italy), Paola Caruso, Vanessa Pitozzi, Silvia Pontis, Maria Gloria Pittelli, Martina Bonatti, Gino Villetti, Maurizio Civelli

The differential synergistic injurious effect of resistive breathing on pulmonary and extra-pulmonary lung injury

Dimitrios Toumpanakis (Athens, Greece), Konstantinos Glynos, Vyronia Vassilakopoulou, Athanasia Chatzianastasiou, Eleftheria Mizi, Maria Dettoraki, Fotis Perlikos, Christina Magkou, Andreas Papapetropoulos, Theodoros Vassilakopoulos

Sphingosine-1-phosphate signaling pathway drives female asthma susceptibility

Elisabetta Granato (Naples, Italy), Ida Cerqua, Rosalinda Sorrentino, Giusy Ferraro, Maria Francesca Nani, Antonietta Rossi, Giuseppe Cirino, Fiorentina Roviezzo

The role of PPAR- antagonism on losartan ameliorating effect on lung injury and systemic inflammation induced by LPS in mice

Mohammad Hossein Boskabady (Mashhad, Islamic Republic of Iran), Vajihah Rouki, Saeideh Saadat, Arghavan Memarzia, Hossein Salmani, Zahra Gholamnezhad, Mahmoud Hosseini

A novel chronic guinea pig model of COPD using LPS and poly(I:C) exposure

Loes E. M. Kistemaker (Groningen, Netherlands), Margot De Looft, Vicky Verschut, Manon E. Woest, Iris C. Gorter, Kimberley S. Belfor, I. Sophie T. Bos, Marina H. De Jager, Reinoud Gosens, Gino Villetti, Fabrizio Facchinetti

Targeting the carboxypeptidase activity: a promising strategy for asthma treatment

Venkata Sita Rama Raju Allam (Uppsala, Sweden), Sowsan Taha, Ida Waern, Francesc Xavier Avilés, Laurent Devel, Gunnar Pejler, Sara Wernersson

Extrafine triple therapy shows improved efficacy compared to ICS/LABA in a mouse model of asthma

Daniela Miglietta (Parma (PR), Italy), Anna Rita Pisano, Andrew Allen, Debora Fragni, Giuseppina Federico, Fabio Bignami, Enrico Zambelli, Riccardo Zecchi, Francesca Boscaro, Barbara Pioselli, Valentina Mileo, Maurizio Civelli, Gino Villetti

In vitro and ex-vivo evaluation of anti-inflammatory and anti-fibrotic effects of NXP002 in rat and human cells and lung tissue

Simon Cruwys (Aachen, Germany), Mark Saunders, Alastair Riddell, Bob Humphries

Association between dietary fibre, microbial metabolites and airway obstruction in COPD patients and murine models

Kurtis Budden (New Lambton Heights, Australia), Saima Firdous Rehman, Shakti Shukla, Kate Bowerman, Chantal Donovan, Henry Gomez, Charlotte Alemao, Lisa Wood, Paul Dennis, Philip Hugenholtz, Peter Wark, Philip Hansbro

LPS-challenged equine bronchi: evidence for IL-6 as a target against AHR

Luigino Calzetta (Roma (RM), Italy), Elena Pistocchini, Giuseppe Cito, Beatrice Ludovica Ritondo, Stefano Verri, Paola Rogliani

Effect of a nutraceutical drug in COPD condition: A pilot study of in vitro, in vivo and Clinical Trial

Bijay Ranjan Pattnaik (NEW DELHI, India), Naveen Bhatraju, Seetu Kashyap, Umashankar Verma, Karan Madan, Randeep Guleria, Anurag Agrawal, Anant Mohan

Exogenous HSP70 regulates the expression of glucocorticoid receptor in a cell type-specific manner

Liang Zhou (Basel, Switzerland), Lei Fang, Michael Tamm, Michael Roth, Daiana Stolz

Lung inhalation-on-chip: A triple co-culture cellular platform to predict toxicity of aerosolized toxicants

Arunima Sengupta (Bern, Switzerland), Widad Hassan, Nuria Roldan, Janick Stucki, Tobias Krebs, Oliver Wissler, Nina Hobi, Olivier. T Guenat

Phosphoinositide-3 kinase antagonism does not reverse steroid insensitivity in severe asthma

Anurag Bhalla (Toronto (ON), Canada), Kiho Son, Katherine Radford, Chynna Huang, Melanie Kjarsgaard, Manali Mukherjee, Parameswaran Nair

COPD pathogenesis is dependent on ferroptotic death of AT2 cells driven by pro-inflammatory Macrophages
Aicha Jeridi (München, Germany), Thomas M Conlon, Gizem Günes Günsel, Mariia Novikova, Sebastian Doll, Niklas J Lang, Stijn E. Verleden, Markus Rehberg, Tobias Stöger, Herbert B. Schiller, Marcus Conrad, Ali Önder Yildirim

Bronchorelaxant effect of beclomethasone dipropionate in an ex vivo model of COPD exacerbation
Luigino Calzetta (Roma (RM), Italy), Paola Rogliani, Josuel Ora, Francesco Facciolo, Enrico Melis

TP-18

Session

08:30 - 09:30

Thematic poster: Novelties in respiratory muscle testing, training and airway clearance

Disease(s) : Airway diseases Respiratory critical care Sleep and breathing disorders Interstitial lung diseases

Method(s) : Public health Pulmonary rehabilitation Respiratory intensive care General respiratory patient care Imaging Physiology Pulmonary function testing

Chairs : Rainer Gloeckl (Schoenau am Koenigssee, Germany)

AGE OF CLIMATERIC SYMPTOMS IS ASSOCIATED TO LOWER MAXIMAL INSPIRATORY PRESSURE
Ingrid Guerra Azevedo, Karina Hunter, Viviana Perez, Mayra Quintana, Kimberly Gavilán, Catherine Llancaleo, Maria Do Socorro Luna Cruz, Saionara Da Câmara, Alvaro Maciel

Determinants of respiratory muscle strength in adult bronchiectasis
Aylin Tanriverdi (Izmir, Turkey), Melike Mese, Buse Ozcan Kahraman, Can Sevinc, Sema Savci

Eccentric diaphragmatic contractions during mechanical ventilation in critically ill patients
Antenor Rodrigues (Toronto, Canada), Michael C Sklar, L. Felipe Damiani, Irene Telias, Thomas Piraino, Laurent Brochard

Reference values for maximal dynamic inspiratory pressure in a healthy population
Vitor Souza (São Paulo, Brazil), José Neder, Luiz Nery, Priscila Sperandio

Can you learn to cough after having a stroke?
Natalia Dominguez Sanz (Burgos, Spain)

The comparison of the effects of inspiratory muscle training and diaphragmatic neuromuscular electrical stimulation on inspiratory muscle strength in mechanically ventilated patients.
Ali Yalman (Denizli, Turkey), Orcin Telli Atalay, Hulya Sungurtekin, Cansu Ozgen, Harun Taskin

The effects of inspiratory muscle training on respiratory muscle strength and diaphragm motion in patients with mechanical ventilator
Harun Taskin (Denizli, Turkey), Orçin Telli Atalay, Furkan Ufuk, Hülya Sungurtekin, Ali Yalman

Effects of counterpressure breathing with steam inhalation on lung function in stable asthma
Ilpo Kuronen (Tampere, Finland), Jukka Heinijoki, Anssi Sovijärvi

Timing of inspiratory muscle activity in patients with unilateral diaphragm dysfunction
Antenor Rodrigues (Toronto, Canada), Luc Janssens, Sauwaluk Dacha, Zafeiris Louvaris, Tin Gojevic, Wim Janssens, Laurent Brochard, Rik Gosselink, W. Darlene Reid, Daniel Langer

The accuracy of the Cuff Leak Test in neurocritical patients
RENATA CORREIA (Rio de Janeiro, Brazil), Iana Paes d' Assumpção Vital, Alexandre Rosa Da Silva, Clara Harazim Gaspari, Camila Afonso Badaró Marques

The experiences and perceptions of mechanical insufflation-exsufflation in people with amyotrophic lateral sclerosis
Shauna Sheridan (London, United Kingdom), Joerg Steier, Phillip Marino, Shelley Srivastava, Eui-Sik Suh, Nicholas Hart, Patrick Murphy, Harriet Shannon, Leyla Osman, Georgios Kaltsakas, Michelle Ramsay

Community Non-Invasive Ventilation practitioner service utilisation for Motor Neurone Disease patients following the Covid-19 pandemic
Emily Johnstone (Bristol (Avon), United Kingdom), Gemma Cox, Dinesh Shrikrishna

A bench study to investigate the safety and performance of Simeox® for secretion clearance
Neeraj Shah (New Malden (Surrey), United Kingdom), Emeline Fresnel, Adrien Kerfourn, Laurent Morin, Patrick Murphy, Maxime Patout

Personalising airway clearance in PCD, exploring expert physiotherapist decision making.
Lynne Schofield (Leeds, United Kingdom), Sally Singh, Jim Wild, Daniel Hind

The use of nasopharyngeal and oropharyngeal suctioning in physiotherapy practice in the United Kingdom
Agnieszka Lewko (Coventry, United Kingdom), Stefan Tino Kulnik, Riyaz Kohecallee, Jack Whiteside

Effects of the intermittent intrapulmonary deflation technique on airway clearance in patients with cystic fibrosis
William Poncin (Bruxelles, Belgium), Juliana Macedo, Gregory Reychler, Giuseppe Liistro

Effects of a physiotherapy intervention including frequent changes of the body position and stimulation of physical activity for infants with acute respiratory infections in hospital – a randomised controlled trial
Sonja Andersson Marforio (Hjärup, Sweden), Eva Ekvall Hansson, Annika Lundkvist Josenby, Christine Hansen

Late Breaking Abstract - Exercise Oscillatory Breathing in Heart Failure: clinical and prognostic implications
Renata Mendes (Sao Carlos (SP), Brazil), Cássia Goulart, Piergiuseppe Agostoni, Elisabetta Salvioni, Rebeca Nunes Silva, Leonard A. Kaminsky, Jonathan Myers, Ross Arena, Renata Gonçalves Mendes, Audrey Borghi-Silva

TP-13

Session

08:30 - 09:30

Thematic poster: Determinants, diagnosis and management of lung diseases in adults

Disease(s) : Airway diseases Pulmonary vascular diseases

Method(s) : Public health Pulmonary rehabilitation Epidemiology Physiology

Chairs : Sigrid Anna Vikjord (Levanger, Norway), Chair to be confirmed

Air pollution exposure and prevalence of chronic respiratory diseases in Italy

Alessandro Marcon (Verona (VR), Italy), Jessica Miotti, Pierpaolo Marchetti, Francesca Locatelli, Leonardo Antonicelli, Sandra Baldacci, Salvatore Battaglia, Roberto Bono, Angelo Corsico, Claudio Gariazzo, Sara Maio, Nicola Murgia, Pietro Pirina, Massimo Stafoggia, Lorena Torroni, Giovanni Viegi, Giuseppe Verlatto

Epidemiology of COVID-19 in the Kingdom of Saudi Arabia: An Ecological Study

Mohammad Hussain Alyami (Najran, Saudi Arabia), Abdullah Naser, Hamad Alyami, Hasan Alwafi, Mohammed Orabi

Tobacco use and its associated factors among undergraduate public health students in Kathmandu valley, Nepal
Sandesh Bhusal (Kathmandu, Nepal), Birendra Chand, Kiran Paudel, Tara Ballav Adhikari, Pranil Man Singh Pradhan, Sushan Man Shrestha

Smoking and COPD – an exploratory overview in Brazil considering the prevalence of smoking, access to smoking cessation treatment, hospital admission and mortality from COPD. 2018 to 2020

Rafael Stelmach (São Paulo (SP), Brazil), Telma Cassia Santos Nery, Setella Regina Martins, Naiara Santos Bispo

Risk factors for breakthrough COVID-19 in 15,804 UK adults after primary and booster doses of SARS-CoV-2 vaccines

Giulia Vivaldi (Romford, United Kingdom), David A. Jolliffe, Hayley Holt, Mohammad Talaei, Florence Tydeman, Seif O. Shaheen, Adrian R. Martineau

Associations of low level air pollution and greenness with mortality in men and women. The Life-GAP project

Shanshan Xu (Bergen, Norway), Alessandro Marcon, Randi Jacobsen Bertelsen, Bryndis Benediktsdottir, Camilla Geels, Thorarinn Gislason, Joachim Heinrich, Mathias Holm, Christer Janson, Rain Jogi, Iana Markevych, Hans Orru, Anna Oudin, Lise Marie Frohn, Vivi Schlünssen, Torben Sigsgaard, Ane Johannessen

Effects of Air Pollution in São Paulo on Asthma and COPD symptoms

Francine Maria Almeida (São Paulo (SP), Brazil), Tiana Carla Lopes Moreira, Lucas Miranda Oliveira, Renato Fraga Righetti, Fernanda D. T. Q. Santos Lopes, Airlane P. Alencar, Thais Mauad, Nelson Cruz Gouveia, Paulo Andrade Lotufo, Isabela Bensenor, Itamar Souza Santos, Iolanda Fátima L. C. Tibério

Prognostic factors for COPD outcome - a nationwide cohort study

Anne Orholm Nielsen (Roskilde, Denmark), Ole Hilberg, Rikke Ibsen, Anders Løkke

Lifestyle Changes and Exacerbation Frequency of COPD in Times of the Pandemic

Seda Tural Önür (Istanbul, Turkey), Fatma Tokgöz Akyıl, Sinem Sökücü, Hülya Abalı, Elif Çayirli, Neslihan Boyraci, Sedat Altın

RELATIONSHIP BETWEEN EARLY MENARCHE AND RESPIRATORY MUSCLE PRESSURES IN MIDDLE AGE AND OLDER WOMEN

Karina Hunter, Ingrid Guerra Azevedo, Viviana Perez, Mayra Quintana, Catherine Llancaleo, Kimberly Gavilán, Cristiano Gomes, Maria Do Socorro Luna Cruz, Saionara Maria Aires Câmara

The risk factors for tuberculosis in patients with psychic pathologies

Tatiana Osipov (Chisinau, Republic of Moldova), Evelina Lesnic, Eugeniu Cotelea, Alina Malic

Determinants of pre-vaccination SARS-CoV-2 seropositivity: a population-based longitudinal study (COVIDENCE UK)

Mohammad Talaei Pashiri (London, United Kingdom), Sian Faustini, Hayley Holt, David A. Jolliffe, Giulia Vivaldi, Alex G Richter, Seif O Shaheen, Adrian R Martineau

RELATIONSHIP BETWEEN MATERNAL AGE OF FIRST BIRTH AND RESPIRATORY MUSCLE PRESSURES IN MIDDLE AGE AND OLDER WOMEN

Ingrid Guerra Azevedo, Karina Hunter, Saionara Maria Aires Câmara, Mayra Quintana, Kimberly Gavilán, Catherine Llancaleo, Maria Do Socorro Luna Cruz, Alvaro Campos Cavalcanti Maciel

Is the oral microbiota representative for the healthy bronchial microbiota?

Solveig Tangedal (Bergen, Norway), Rune Nielsen, Marianne Aanerud, Harald Wiker, Christine Drengenes, Gunnar Husebø, Kristel Knutsen, Sverre Lehmann, Tomas Eagan

Longitudinal association between healthy diet and change in asthma symptom in elderly women

Wassila Ait-hadad (Paris Cedex 13, France), Annabelle Bédard, Sebastien Chanoine, Oriane Dumas, Nasser Laouali, Nicole Lemoual, Bénédicte Leynaert, Conor Macdonald, Valérie Siroux, Marie-Christine Boutron-Ruault, Rapahelle Varraso

Predictors of electronic cigarette use and its association with respiratory health and obesity in young adulthood in Sweden

Shanzina Somp (Huddinge, Stockholm, Sweden), Anna Zettergren, Sandra Ekström, Swapna Upadhyay, Koustav Ganguly, Antonios Georgelis, Petter Ljungman, Göran Pershagen, Inger Kull, Erik Melén, Lena Palmberg, Anna Bergström

Inhaled Corticosteroids as a Risk Factor for Hospitalisation with Pneumonia in COPD Patients

Christian Philip Rønn (København Ø, Denmark), Pradeesh Sivapalan, Josefin Eklöf, Charlotte Suppli Ulrik, Jens-Ulrik Stæhr Jensen

What are the Direct and Indirect costs of COPD in India?

Sapna Madas (Pune (Maharashtra), India), Jyoti Londhe, Kirti Mudliar, Kritika Powar, Nagesh Dhadge, Sanjay Gaikwad, Mahavir Modi, Balasaheb Pawar, Medha Bargaje, Gauri Godbole, Parag Khatavkar, Yogesh Agrawal, Himanshu Pophale, Yuvraj Badhe, Sahebrao Toke, Sundeep Salvi

Psychiatric side-effects of montelukast – a nationwide cohort study of 159 916 patients.

Alexander Jordan (Copenhagen N, Denmark), Louise Lindhardt Tønnesen, Josefin Eklof, Pradeesh Sivapalan, Howraman Meteran, Charlotte Suppli Ulrik, Klaus Bønnelykke, Jens-Ulrik Stæhr Jensen

Assessment of causal relationships between eosinophils and respiratory disease using Mendelian randomization

Martin D Tobin (Leicester, United Kingdom), Catherine John, Anna L Guyatt, Alexander T Williams, Nick Shrine, Nicola F Reeve, Ian Sayers, Ian P Hall, Louise V Wain, Nuala A Sheehan, Frank Dudbridge

TP-9 Session 08:30 - 09:30**Thematic poster: COPD clinical studies and exacerbations**

Disease(s) : Airway diseases Interstitial lung diseases Respiratory critical care Sleep and breathing disorders

Method(s) : General respiratory patient care Pulmonary function testing Cell and molecular biology Epidemiology Physiology Respiratory intensive care

Chairs : Alexander Mathioudakis (Stockport, United Kingdom), Chair to be confirmed

Digital spacer informed inhaler adherence education: the OUTERSPACE proof-of-concept study in COPD

Boudewijn Dierick (Groningen, Netherlands), Sandra Been Buck, Titia Klemmeier, Paul Hagedoorn, Susanne Van De Hei, Huib Kerstjens, Janwillem Kocks, Tanja Zijp, Daan Touw, Job Van Boven

Mortality outcomes associated with oral corticosteroid use in patients with COPD

Gary Tse (Singapore, Singapore), David Price, Mona Bafadhel, Alberto Papi, Victoria Carter, Con Ariti, Jiandong Zhou, Derek Skinner, Xiao Xu, Hana Müllerová, Benjamin Emmanuel

Ventilation and tissue oxygenation patterns induced by LABA and LAMA in COPD patients

Silvia Perez Bogerd (Bruxelles, Belgium), Alain Van Muylem, Emilie Maufroy, Yasmina El.Khloufi, Selim Zengin, Vitalie Faoro, Andrei Malinovski, Alain Michils

Maintenance and reliever therapy with budesonide/formoterol versus fixed dose fluticasone/salmeterol in patients with COPD

Susan Muiser (Groningen, Netherlands), Kai Imkamp, Dianne Seigers, Nynke Halbersma, Judith Vonk, Bart Luijk, Gert-Jan Braunstahl, Jan Willem Van Den Berg, Bart-Jan Kroesen, Janwillem Kocks, Irene Heijink, Helen Reddel, Huib Kerstjens, Maarten Van Den Berge

Effect of benralizumab on recurrent COPD exacerbations

Dave Singh (Manchester, United Kingdom), Gerard J Criner, Alvar Agusti, Mona Bafadhel, Johan Söderström, Gabriela Luporini Saraiva, Yue Song, Idir Licaj, Maria Jison, Ubaldo J Martin, Ioannis Psallidas

Lack of Association between Inhaled Corticosteroid Use and the Risk of Future Exacerbation in Patients with GOLD Group A Chronic Obstructive Pulmonary Disease

Seong Yong Lim (Seoul, Republic of Korea), Hye Yun Park, Sun Hye Shin, Deog Kyeom Kim, Sang-Heon Kim, Tae Rim Shin, Ki-Suck Jung, Kwang Ha Yoo, Ki-Eun Hwang, Yong Suk Jo

Inhaled corticosteroids and the risk of new-onset arterial hypertension in patients with chronic obstructive pulmonary disease

Howraman Meteran (VALBY, Denmark), Pradeesh Sivapalan, Josefin Eklöf, Mohamad Isam Saeed, Alexander Jordan, Jens-Ulrik Jensen

Sufficient inspiratory effort for a Dry Powder Inhaler - do we have to measure it, or can we observe it? Post hoc analysis of the PIFotal study

Lars Dijk (Groningen, Netherlands), Marika Leving, Sinthia Bosnic-Anticevich, Joyce Van Cooten, Jaime Correia De Sousa, Biljana Cvetkovski, Richard Dekhuijzen, Marina Garcia Pardo, Asparuh Gardev, Radoslaw Gawlik, Iris Van Der Ham, Ymke Jansen, Federico Lavorini, Tiago Maricoto, Jiska Meijer, Boyd Metz, David Price, Miguel Roman Rodriguez, Kirsten Schuttel, Nilouq Stoker, Ioanna Tsiligianni, Omar Usmani, Janwillem Kocks

Risk for exacerbation, hospitalization and mortality in Global Initiative for Chronic Obstructive Lung Disease group B patients with and without exacerbations: a cohort study

Lowie E.G.W. Vanfleteren (Gothenburg, Sweden), Linnea Holmstrand, Anne Lindberg, Caddie Zhou, Fredrik Nyberg, Caroline Stridsman

Recombinant AAT-Fc fusion protein INBRX-101 achieves normal serum AAT levels in patients with alpha-1 antitrypsin deficiency (AATD)

Andrew Veale (Auckland, New Zealand), Humam Farah, Ravi Mahadeva, Michelle Baker, Brooks Kuhn, Alexandra Cole, Catherina Chang, Cynthia Brown, Michael Campos, James Kalabus, Terri Boyea, Carson Veldstra, Vasily Andrianov, Sharvari Bhagwat, Brendan P Eckelman, Jorge Loscano, Mark Brantly

Efficacy and safety of ICS/LABA/LAMA FDCs in COPD: a network meta-analysis

Luigino Calzetta (Roma (RM), Italy), Paola Rogliani, Mario Cazzola, Stefano Verri, Francesca Camardelli

Blood, nasal and airway immune responses to SARS-COV-2 vaccination in COPD patients and healthy subjects

Thomas Southworth (Manchester, United Kingdom), Natalie Jackson, Dave Singh

TriOptimize IX: Real-world improvement in COPD symptoms and lung function by extrafine single-inhaler triple therapy (efSITT)

Frederik Trinkmann (Heidelberg, Germany), Sanaz Bahari Javan, Carl-Peter Criée, Valentina Bogoevska, Christian Gessner

Adherence to umeclidinium/vilanterol versus inhaled corticosteroids/long-acting 2-agonist in patients with chronic obstructive pulmonary disease in England

Alexandrosz Czira (Brentford, United Kingdom), Gema Requena, Victoria Banks, Robert Wood, Theo Tritton, Catherine Castillo, Jie Yeap, Rosie Wild, Chris Compton, Maria Duarte, Kieran Rothnie, Afisi Ismaila

SHORT-TERM OXYGEN THERAPY OUTCOMES IN COPD

Thibaud Soumagne (Paris, France), François Maltais, François Corbeil, Bruno Paradis, Marc Balzan, Paula Simao, Araceli Abad Fernandez, Richard Lecours, Sarah Bernard, Yves Lacasse

COPD clinical course in patient with Gln27Glu polymorphism of ADRB2 gene

Kostiantyn Dmytriiev (Vinnitsya, Ukraine), Yuriy Mostovoy, Nataliia Slepchenko, Yuliia Smereka, Dmytro Dmytriiev

How does Arg16Gly polymorphism affect pulmonary function and treatment response in COPD patients?

Kostiantyn Dmytriiev (Vinnitsya, Ukraine), Nataliia Slepchenko, Yuriy Mostovoy, Yuliia Smereka, Dmytro Dmytriiev

EVELUT: dyspnoea and symptom burden in COPD patients switching from LABA/ICS to LAMA/LABA or LAMA/LABA/ICS

Roland Buhl (Mainz, Germany), Michael Dreher, Muriel Mattiucci-Guehlke, Sebastian Eckhardt, Christian Taube, Claus Vogelmeier

Relationship between severity of airflow obstruction and GOLD classification in COPD patients

Nataša Karamarković Lazarušić (Zagreb, Croatia), Bojana Butorac Petanjek, Latinka Basara, Melita Jerić, Gordana Pavliša

Late Breaking Abstract - Evaluating multiple eosinophil measurements when stepping up to ICS/LAMA/LABA triple therapy in patients with COPD: a post-hoc analysis of ETHOS

Dave Singh (Manchester, United Kingdom), Mona Bafadhel, John R Hurst, Patrick Darken, Mehul Patel

TP-8 Session 08:30 - 09:30

Thematic poster: Sleep-disordered breathing treatment: from lifestyle to CPAP and beyond

Disease(s) : Sleep and breathing disorders

Method(s) : General respiratory patient care Pulmonary function testing Physiology Epidemiology

Chairs : Dries Testelmans (Leuven, Belgium), Esther Irene Schwarz (Zürich, Switzerland)

Effectiveness of an integrated hospital-primary care lifestyle change program in the treatment of obstructive sleep apnea syndrome and obesity

Neus Salord Oleo (Barcelona, Spain), Carolina Alves, Eliseo Prado, Sandra Pérez, Maria Calvo, Roser Torta, M Carmen González, Lúdia Rubio, Ana Comabella, Raquel Suárez, Mónica Montserrat, Núria Vilarrasa, Carmen Monasterio

Adherence to Positive Airways Pressure therapy in patients with sleep apnea and comorbid psychiatric diseases.

Anastasios Kallianos (Athens, Greece), Pantelis T. Nikolaidis, Dionysios Stamatelakis, Christina Klamenakou, Nicholas-Tiberio Economou, Paschalis Steiropoulos, Georgia Trakada

Association of positive airway pressure adherence with clinical outcomes in patients with type 2 diabetes and obstructive sleep apnea

Michail Fanaridis (Heraklion, Greece), Izolde Bouloukaki, George Stathakis, Christina Ermidou, Konstantina Lyroni, Eleni Mavroudi, Violeta Moniaki, Ioanna Tsiligianni, Sophia Schiza

Outcomes of CPAP therapy in Down syndrome – the population-based DISCOVERY study

Andreas Palm (Uppsala, Sweden), Malin Svensson, Magnus Ekström, Josefin Sundh, Mirjam Ljunggren, Ludger Grote

The effect of 2 years of CPAP therapy on metabolic comorbidities in OSAS

Manel Loukil Ben Ali (Nabeul, Tunisia), Hemissi Khaoula, Narjes Abid, Mechaal Ben Ali, Hedia Ghrairi

Short-term continuous positive air pressure treatment: effects on quality of life and sleep in patients with obstructive sleep apnea

Laima Kondrataviciene (Kaunas, Lithuania), Skaidrius Miliuskas

Long term outcomes in CPAP-treated sleep apnea patients: Impact of blood pressure responses after CPAP initiation and treatment adherence

Jean-Louis Pépin (Grenoble, France), Ami-Marie Bocoum, Sébastien Bailly, Marie Joyeux-Faure, Sébastien Baillieul, François Arbib, Clara-Lou Kang, Thi Hong Van Ngo, Pierre Boutouyrie, Renaud Tamisier

Nasal polyposis is a risk factor for non-adherence to CPAP – the DISCOVERY study

Caroline Bengtsson (Uppsala, Sweden), Ludger Grote, Mirjam Ljunggren, Magnus Ekström, Andreas Palm

A prospective study of factors that predict compliance with Continuous Positive Airway Pressure (CPAP) in patients with Obstructive Sleep Apnoea (OSA)

Qandeel Khan (Nottingham, United Kingdom), Abdissamad Ali, Amy Hough, Manoj Marathe, Imran Hamigi, Andrew Bain, Ajit Thomas

Predicting adherence to continuous positive airway pressure in patients with obstructive sleep apnea syndrome through machine learning

Marco António Pacheco Pereira (Paio Pires, Portugal), Ricardo Ribeiro

Persistent inspiratory flow limitation during positive airway pressure therapy

Neil Skjodt (Lethbridge (AB), Canada), Ronald S. Platt

Telemedicine home CPAP titration and follow-up in the COVID-19 scenario

Jaume Bordas Martinez (Barcelona, Spain), Eva Fontanilles Arbones, Neus Salord, Eliseo Prado Gala, María D. Calvo Sánchez, Salud Santos, Carmen Monasterio

Efficacy of VAUTO ventilation in OSA patients resistant to CPAP

Pasquale Tondo (Foggia, Italy), Rossella Trentin, Caterina Pronzato, Simona Arcovio, Francesco Fanfulla

Auto-BiPAP switch in OSA patients: can it be done successfully?

Pasquale Tondo (Foggia, Italy), Caterina Pronzato, Irene Risi, Nadia D'Artavilla Lupo, Francesco Fanfulla

Reboxetine improves pharyngeal collapsibility and respiratory control in obstructive sleep apnoea.

Thomas Aintree (Adelaide, Australia), Atqiya Aishah, Kelly Loffler, Ronald Grunstein, Danny Eckert

Effect of 5 mg of Oxybutynin and 6 mg of Reboxetine on obstructive sleep apnea severity

Mathieu Berger (Saint Etienne, France), Romane Dussez, Nicola Marchi, Geoffroy Solelhac, Brian Bradley, Gianpaolo Lecciso, José Haba-Rubio, Francesca Siclari, Raphael Heinzer

Effectiveness of acetazolamide in patients with moderate obstructive sleep apnea and obesity

Iana Andreieva (Zaporizhia, Ukraine)

Effect of sulthiame on cardiopulmonary coupling assessed sleep quality in OSA patients – a RCT

Ding Zou (Gothenburg, Sweden), Karl Theliander, Jan Hedner, Christian Strassberger, Kaj Stenlöf, Ludger Grote

Robotic beds for the treatment of positional obstructive sleep apnoea – a randomised cross-over pilot trial

Martina Meszaros (Zurich, Switzerland), Alexander Breuss, Elisabeth Wilhelm, Robert Riener, Malcolm Kohler, Esther I Schwarz

Late Breaking Abstract - Sulthiame induced carbonic anhydrase inhibition is associated with improvement of nocturnal oxygenation in OSA patients

Ali M. Komai, Salih Musovic, Ludger Grote, Kaj Stenlöf, Erik Hoff, Ding Zou, Jan Hedner

TP-26

Session

08:30 - 09:30

Thematic poster: Multimodality respiratory imaging research: what is novel in 2022**Disease(s) :** Interstitial lung diseases Airway diseases Pulmonary vascular diseases Thoracic oncology**Method(s) :** Imaging Cell and molecular biology Public health Pulmonary function testing Epidemiology Transplantation Endoscopy and interventional pulmonology**Chairs :** Kseniia Bielosludtseva (Dnipropetrovsk, Ukraine), Esther Pallisa (Barcelona, Spain)**Value of functional lung MRI in long term patient care after lung transplantation.**

Jens Vogel-Claussen (Hannover, Germany), Till Kaireit, Andreas Voskrebenzev, Filip Klimes, Lea Behrendt, Marcel Gutberlet, Christopher Korz, Milan Speth, Tobias Welte, Frank Wacker, Jens Gottlieb

First-in-human evaluation of 18F-BMS-986327 as a novel PET tracer to assess lysophosphatidic acid receptor 1 (LPA1) target engagement in the lung

Ralph Smith (Princeton, United States), David Donnelly, Jean-Dominique Gallezot, Yihuan Lu, Brian Murphy, Peter Cheng, Joonyoung Kim, Edgar Charles, Shuyan Du, Daniel Holden, Soheila Najafzadeh, Hong Gao, Michael Kapinos, Jim Ropchan, Nabeel Nabulsi, Henry Huang, Aryeh Fischer, Richard Carson

PET/MR to study lung morphology and inflammation in children and adolescents with Primary Ciliary Dyskinesia

Valentina Agnese Ferraro (Rosa' (VI), Italy), Chiara Girauda, Pietro Zucchetta, Stefania Zanconato, Diego Cecchin, Silvia Carraro

Feasibility of Hyperpolarized 129Xe MRI in Primary Ciliary Dyskinesia

Wallace Wee (Toronto (ON), Canada), Brandon Zanette, Samal Munidasa, Sharon Braganza, Daniel Li, Felix Ratjen, Giles Santyr, Sharon Dell

Hyperpolarised 129Xe MR imaging of lung ventilation in neonates with bronchopulmonary dysplasia: initial experience

Neil James Stewart (Sheffield (South Yorkshire), United Kingdom), Nara S Higano, Shanmukha S Mukthapuram, Matthew M Willmering, Anita Arnsperger, Wolfgang Loew, Rolf F Schulte, Jim M Wild, Jason C Woods

Feasibility of Specific Ventilation Imaging on a 3T MRI scanner

Claire O'Sullivan (Melbourne, Australia), G. Kim Prisk, Kris Nilsen, Richard McIntyre, Beau Pontre, David Dubowitz, Bruce Thompson

Correlation between radiological subtypes and histopathology in restrictive allograft syndrome after lung transplantation

Adriana Dubbeldam (Nieuwrode, Belgium), Robin Vos, Arno Vanstapel, Walter De Wever, Stijn E. Verleden, Emanuele Muscogiuri, Johan Coolen, Birgit Weynand, Johny A. Verschakelen

Multimodal 4D imaging and deep learning unveil acinar migration of tissue-resident, nanoparticle-laden macrophages in the lung

Lin Yang (Oberschleißheim, Germany), Qiongliang Liu, Pramod Kumar, Arunima Sengupta, Ali Farnoud, Ruolin Shen, Darya Trofimova, David Kutschke, Marie Piraud, Fabian Isensee, Gerald Burgstaller, Markus Rehberg, Tobias Stoeger, Otmar Schmid

Higher harmonic generation microscopy for instant on-site pathologic feedback of lung biopsies

Laura Van Huizen (Amsterdam, Netherlands), Johannes Daniels, Teodora Radonic, Jan Von Der Thüsen, Danielle Cohen, Marloes Groot, Jouke Annema

Reflux micro-aspiration associated with oesophageal dysmotility but not delayed liquid gastric emptying

Gregory Falk (Lindfield, Australia), Oleksandr Khoma, Maite Jeanne Mendu, Amita Nandini Sen, Hans Van Der Wall

Radiological aspects of thoracic involvement in hematological malignancies

Zakaria Laklaai (casablanca, Morocco), Khadija Channoune, Nahid Zaghba, Hanane Benjelloune, Najiba Yassine

Assessment of lung disorders in patients with rheumatoid arthritis (RA)

Yuliia Huba (Dnipropetrovsk, Ukraine), Larisa Botvinikova, Lyudmyla Konopkina, Oxana Plekhanova

Bronchial arterial embolization for management of hemoptysis: are there factors influencing the successful treatment?

Diogo André Barroso Ferreira (Vila Nova De Famalicão, Portugal), Marta Castro, Ana Rita Gigante, Ana Raquel Marçõa, Diogo Rocha, Eloísa Silva, Carla Ribeiro, Teresa Shiang, Manuela Vanzeller

Predictors of short term mortality in acute pulmonary embolism

Ali Abdelaziz (Minia, Egypt), Yosra M .Ali, Mohamed Abdelaziz, Ahmed H Mohamed, Hany T Asklany, Noha M M Abdullah , Rasha A Abdelfattah

Assessing clinicians' detection rate of Pulmonary Embolism (PE) with use of CT Pulmonary Angiogram (CTPA) imaging in an Acute Hospital Trust

Roisin O'Neill (Birmingham, United Kingdom), Jessamy Reece, Bethany Jones, Muhammad Bilal Niazi, See Ling Tan, Abhi Lal

Mounier-Kuhn syndrome: about 4 cases

Manelle Rjimati (Fès, Morocco), Zineb Biaz, Mounia Serraj, Mohammed Elbiaze, Mohamed Chakib Benjelloun, Bouchra Amara

Meta-analysis of mean transit time and pulmonary blood flow in the lung

Marta Tibiletti (Manchester, United Kingdom), Lucy Edwards, Jo Naish, Geoff J M Parker, John C Waterton

TP-19

Session

08:30 - 09:30

Thematic poster: After COVID

Disease(s) : Interstitial lung diseases Airway diseases Respiratory critical care

Method(s) : Imaging Physiology Pulmonary function testing Public health General respiratory patient care Epidemiology Pulmonary rehabilitation Endoscopy and interventional pulmonology Cell and molecular biology

Chairs : Arietta Spinou (London, United Kingdom), Chair to be confirmed

Pulmonary function outcomes one year after moderate to critical COVID-19 pneumonia

Simone van der Sar (Teteringen, Netherlands), Antine Flikweert, Ingrid De Backer

Persistent symptoms after Covid 19- 6 months follow-up after discharge

Andreea Mihai (Craiova, Romania), Cristina Calarasu, Floarea Mimi Nitu, Costin Teodor Streba, Ramona Cioboata

Follow up outcome in COVID-19 patients with persistent symptoms from central India

Abhishek Anil Faye (Bhandara (Maharashtra), India), Rajesh Swarnakar, Shruti Gudhane, Charu Singh

Pre-COVID-19 lung function in a general adult population between COVID-19 and non-COVID-19 cases

Hannu Kankaanranta (Seinäjoki, Finland), Daniil Lisik, Bright I Nwaru

Post covid-19 manifestations in the omicron wave

Aboubekr Imzil (Agadir, Morocco), Youness Essaid, Houda Moubachir, Hind Serhane

Identifying patients who require respiratory follow up after hospital admission with COVID-19

Jennifer Martinovic (LONDON, United Kingdom), Katherine Myall, Deepan Sivakumar, Johan Meurling, Diana Roque, David Jackson, Andrew Hearn, Ahmed Seedat, Andrew Robbins, Panagis Drakatos, Alex West

Reasons for post-covid hospitalization- one year experience from Serbia

Ana Milenković (Novi Sad, Republic of Serbia), Siniša Maksimović, Miroslav Ilić, Jovan Javorac, Dragica Kovačević, Miloš Cvetković, Nevena Savić

Fatigue in Long Covid-19 is associated to short hospitalization time and normal lung function

Søren Sperling (Aarhus N, Denmark), Andreas Fløe, Steffen Leth, Tina Gissel, Ayfer Topcu, Lars Kristensen, Charlotte Hyldgaard, Lene Dahl Sønderkov, Søren Jensen-Fangel, Johannes Martin Schmid, Hans Jürgen Hoffmann, Elisabeth Bendstrup

Self-reported cognitive complaints in post-Covid-19 patients and its association to cognitive performance

Zjala Ebadi (Groesbeek, Netherlands), Jeannette B. Peters, Bram Van Den Borst, Roy Kessels, Jan H. Vercoulen

Evaluation of respiratory muscle function using ultrasound in post Covid-19 patients with unexplained dyspnea

Anouk Stoffels (Nijmegen (GE), Netherlands), Esther L. van Voorthuizen, Jeannette B. Peters, Hanneke A.C. Van Helvoort, Anouk A.F. Stoffels, Nicol C. Voermans, Hieronymus W.H. Van Hees, Jonne Doorduyn, Bram Van Den Borst

Evolution of pulmonary function, CT changes and respiratory symptoms 6-8 months after hospital admission with COVID-19 infection

James Kent Bramer (London, United Kingdom), Yee-Ean Ong, Adrian Draper, Saeed Akbar, Raminder Aul

One-year kinetics of the humoral response following SARS-CoV-2 vaccination Among Maintenance Hemodialysis Patients

Ori Wand (Kfar Sava, Israel), Naomi Nacasch, Sydney Benchetrit, Amir Bar-Shai, Keren Cohen-Hagai

Alfa-1 antitrypsin after one year COVID-19 infection

Julian Andres Ceballos Gutierrez (vera, Spain), Beatriz M Jimenez Rodriguez, Eva Maria Triviño Ibañez, José Gutiérrez Fernández, Ana Dolores Romero Ortiz, Concepción Morales García

Relation of pulmonary diffusing capacity decline to HRCT and VQ SPECT/CT findings at early follow-up after COVID-19. A prospective cohort study (The SECURE study)

Thomas Kromann Lund (Copenhagen NV, Denmark), Terese Katzenstein, Jan Christensen, Anna Kalhauge, Frederikke Rønsholt, Daria Podlekavera, Elisabeth Arndal, Ronan Berg, Thora Kjaer, Anne-Mette Lebech, Jann Mortensen

Oxygen home therapy after discharge of hospitalized patients with COVID-19

Donia Belkhir (Tunis, Tunisia), Hana Blibech, Houda Snene, Aymen Jebali, Syrine Daoud, Line Kaabi, Soumaya Debbiche, Nadia Mehiri, Saoussen Miladi, Ahmed Laatar, Nozha Ben Salah, Bechir Louzir

Post discharge persistent dyspnea after covid-19 pneumonia

Mohamed aymen Jebali (tunis, Tunisia), Hana Blibech, Houda Snene, Sirine Daoud, Donia Belkhir, Line Kaabi, Soumaya Debbiche, Nadia Mehiri, Nozha Bensalah, Bechir Louzir

Predictive factors of persistent dyspnea after COVID-19 pneumonia

Hela Cherif (Tunis, Tunisia), Nouha Guediri, Slim Kalboussi, Mariem Triki, Ferdaous Yanguï, Med Ridha Charfi

Trajectories of respiratory recovery after severe SARS-CoV-2 infection (RE2COVERI): a pragmatic, longitudinal cohort study.

Frédéric Schlemmer (Créteil Cedex, France), Simon Valentin, Laurent Boyer, Valentine Bonnefoy, Clairelyne Dupin, Anne Bergeron, François Chabot, Maeva Zysman, Elodie Blanchard, Mehdi Roumila, Charlotte Colin, Violaine Giraud, Etienne Giroux-Leprieur, Thomas Gilles, Yurdagul Uzunhan, Pierre-Yves Brillet, Isabelle Honoré, Nicolas Roche, Morgane Faure, Maxime Patout, Capucine Morelot-Panzini, Sven Gunther, Olivier Sanchez, Anne-Marie Ruppert, Jacques Cadranet, Claire Andrejak, Camille Jung, Emmanuelle Bugnet, Florence Canoui-Poitrine, Bernard Maitre

Circulating calprotectin correlates with DLCO in patients four months after COVID-19

Carlos Esteban Machahua Huamani (Bern, Switzerland), Nebal Abu Hussein, Michael P. Horn, Thomas Geiser, Manuela Funke-Chambour

Bronchoalveolar lavage fluid characteristics in patients with persistent symptoms following COVID-19 infection

Maximilian Gysan (Wien, Austria), Antje Lehmann, Dominik Bernitzky, Milacek Christopher, Andreas Zech, Helmut Prosch, Marco Idzko, Daniela Gompelmann

TP-12

Session

08:30 - 09:30

Thematic poster: Update on clinical trials in allergy, asthma and COPDDisease(s) : **Airway diseases** **Interstitial lung diseases**

Method(s) : General respiratory patient care Epidemiology Public health Cell and molecular biology Pulmonary function testing

Chairs : Celeste Michala Porsbjerg (Copenhagen, Denmark), Sergio Dortas Junior (Rio De Janeiro (RJ), Brazil)

Effect of house dust mite sublingual immunotherapy in combination with dupilumab in asthma

Makoto Hoshino (Atami, Japan), Kenta Akitsu, Kengo Kubota, Junichi Ohtawa

Onset, Maintenance, and Durability of Response with Dupilumab in Chronic Rhinosinusitis with Nasal Polyps

Philippe Gevaert (Ghent, Belgium), Claus Bachert, Asif Khan, Wytse Fokkens, Claire Hopkins, Joseph Han, Peter Hellings, Stella Lee, Jérôme Msihid, Scott Nash, Shahid Siddiqui, Juby Jacob-Nara, Yamo Deniz, Paul Rowe

Itepekimab significantly reduced hospitalizations or emergency department visits in former smokers with moderate-to-severe COPD

Klaus F. Rabe (Kiel, Germany), Bartolome R. Celli, Amy Praestgaard, Michel Djandji, Xavier Soler, Raolat M. Abdulai, David J. Lederer, Hélène Goulaouic, Michael C. Nivens, Shahid Siddiqui, Juby A. Jacob-Nara, Yamo Deniz, Paul J. Rowe

Impact of obstructive airway diseases (OADs) treatments on adult diphtheria-tetanus-pertussis vaccine (dTap)'s immunogenicity and safety

Peter Van den Steen (Wavre, Belgium), Valérie Berlaimont, Brigitte Cheuvart, Quentin Deraedt, Laura Valdes Verelst

Salivary immunoglobulin E levels in patients treated with Omalizumab

Diana Hristova (Sofia, Bulgaria), Radoslava Emilova, Yana Todorova, Milena Aleksova, Maria Nikolova

Population PK/PD modelling of the anti-IL-33 antibody tozorakimab to predict pulmonary target engagement in patients with COPD

Muhammad Waqas Sadiq (Mölnådal, Sweden), Hongtao Yu, Magnus Astrand, Ian C Scott, Adam Williams, Lisa Hewitt, Nick White, Helen Killick, Monica Gavala, Fred Reid, Chris Kell, Hitesh Pandya, Eulalia Jimenez

The long-term effectiveness of allergy immunotherapy in subjects with asthma is associated with a lower prevalence of sleep disturbances. Results from the REACT-study

Marco Contoli (Ferrara (FE), Italy), Benedikt Fritzsching, Nick Freemantle, Sarah Buchs, Julie Larsen, Celeste Porsbjerg

Allergy immunotherapy is associated with a reduced risk of asthma severity progression and lower airway infections. Results from the REACT-study

Celeste Michala Porsbjerg (Copenhagen, Denmark), Benedikt Fritzsching, Nick Freemantle, Sarah Buchs, Julie Larsen, Marco Contoli

Humoral immune responses to COVID-19 vaccines are reduced in patients with severe asthma

Hitasha Rupani (Southampton, United Kingdom), Diane Edwards, Rekha Chaudhuri, Steven Smith, David Jackson, Andrew Hearn, Jennifer Richards, Helen Moyses, Michael Edwards, Sebastian Johnston, Ramesh Kurukularaatchy, Hans Michael Haitchi, Ratko Djukanovic

Efficacy of medical face masks on birch-induced asthma in ALYATEC EEC

Alina Gherasim (Strasbourg, France), Marine Beck, Frank Dietsch, Maude Meyer, Thibaut Riff, Nathalie Domis, Frédéric De Blay

Evaluation of asthma responses in ALYATEC EEC in birch allergic rhinitis (AR) with and without asthma

Alina Gherasim (Strasbourg, France), Frank Dietsch, Marine Beck, Thibaut Riff, Nathalie Domis, Frédéric De Blay

Beliefs about vaccination and relation to COVID-19 vaccination side-effects in asthma patients.

Apostolos Bossios (Stockholm, Sweden), Alison M. Bacon, Katrien Eger, Dóra Paróczai, Florence Schleich, Shane Hanon, Svetlana Sergejeva, Eleftherios Zervas, Konstantinos Katsoulis, Agapi Aggelopoulou, Konstantinos Kostikas, Eleni Gaki, Nikoleta Rovina, Zsuzsanna Csoma, Ineta Grisle, Kristina Bieksienė, Jolita Palacionyte, Anneke Ten Brinke, Simone Hashimoto, Florin Mihălțan, Natalia Nenashva, Biljana Zvezdin, Ivan Čekerevac, Sanja Hromiš, Vojislav Čupurdija, Zorica Lazic, Rekha Chaudhuri, Steven James Smith, Hitasha Rupani, Hans Michael Haitchi, Ramesh Kurukularaatchy, Olivia Fulton, Betty Frankemölle, Peter Howarth, Celeste Porsbjerg, Elisabeth H Bel, Ratko Djukanovic, Michael Hyland

Efficacy and safety of Phlai capsule for allergic rhinitis: a randomized, double-blind, placebo-controlled study

Minh P. Hoang (Bangkok, Thailand), Kachorn Seresirikachorn, Steve Kerr, Jesada Kanjanaumporn, Songklot Aeumjaturapat, Supinda Chusakul, Jompol Samuthpongton, Wirach Chitsuthipakorn, Pornthep Kasemsiri, Virat Kirtsreesakul, Kajohnkiat Prasittivatechakool, Pongsakorn Tantilipikorn, Orapan Poachanukoon, Kornkiat Snidvongs

Effect of dupilumab on asthma control and asthma-related quality of life in patients with uncontrolled, moderate-to-severe type 2 asthma: TRAVERSE OLE study

William Busse (Madison, United States), Ian D. Pavord, Jonathan Corren, Andrew Menzies-Gow, Enrico Heffler, Jerome Msihid, Shahid Siddiqui, David J. Lederer, Megan Hardin, Yi Zhang, Asif H. Khan, Juby A. Jacob-Nara, Yamo Deniz, Paul J. Rowe

Biomarkers associated with lung function decline and dupilumab response in patients with moderate-to-severe asthma

Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Guy Brusselle, Daniel J. Jackson, Christopher E. Brightling, Alberto Papi, Jorge F. Maspero, Klaus F. Rabe, Stephanie Korn, Mei Zhang, Nami Pandit-Abid, Megan Hardin, Lucia De Prado Gómez, Juby A. Jacob-Nara, Paul J. Rowe

Insilico study of COVID-19 ORF1ab protein allergenicity

Fatemeh Hajighasemi (Tehran, Islamic Republic of Iran), Atefeh Shirkavand

Dupilumab reduces OCS use and improves lung function in patients with severe OCS-dependent asthma

Mark Gurnell (Cambridge, United Kingdom), Christian Domingo, Klaus F Rabe, Andrew Menzies-Gow, David Price, Guy Brusselle, Micheal E Wechsler, Changming Xia, Nami Pandit-Abid, Rebecca Gall, Juby A Jacob-Nara, Paul J Rowe, Yamo Deniz, Shahid Siddiqui

A pilot trial of belimumab for atherosclerosis associated autoimmunity in COPD patients.

Takudzwa Mkorombindo (Birmingham, United States), R. Chad Wade, Kaiyu Yuan, Sarah W. Robison, Ashley E. Christenson, J. Michael Wells, Mark T. Dransfield, Steven R. Duncan

Multidisciplinary checklist approach for the "severe" phenotype: Asthma with Nasal Polyps

Jose Antonio Castillo Vizuete (Sitges (Barcelona), Spain), Miguel Armengot, Julio Delgado, María Gil, Carlos Colás, Inmaculada Plasencia, Carolina Cisneros

One-year treatment with benralizumab in patients with eosinophilic granulomatosis with polyangiitis

Paola Scarano (Roma, Italy), Cecilia Cisternino, Giulia Lo Muzio, Olimpia Calò, Arianna Sanna, Alessia Steffanina, Francesca De Filippis, Maria Teresa Leporini, Paolo Palange, Elda Graziani

TP-5 Session 08:30 - 09:30

Thematic poster: COVID-19: from bench to bedside**Disease(s) :** Airway diseases Respiratory critical care**Method(s) :** General respiratory patient care Respiratory intensive care Cell and molecular biology Surgery**Chairs :** Christoph Fisser (Regensburg, Germany), João Carlos Winck (Vila Nova de Gaia, Portugal)**Serum markers of endothelial dysfunction and invasive mechanical ventilation in COVID-19**

Laura Cornejo-Cornejo (México City, Mexico), Arturo Orea-Tejeda, Dulce Gonzalez-Islas, Juan Marquez-Cordero, Alejandra Rios-Pereda, Jorge Aguilar-Meza, Mariana Salvatierra-Escobar, Iris Lopez-Vazquez, Carlos Sanchez-Moreno, Luis Hernandez-Urquieta, Alejandra Loeza-Roman, Juan Carlos Garcia-Hernandez, Yasmin Debray-Garcia, Maria Patricia Sierra-Vargas, Gamaliel Aztatzi-Aguilar

PSP kinetics in the prediction of VAP diagnosis

Adrian Ceccato (Ituzaingo (Prov. De Buenos Aires), Argentina), Marta Camprubi, Lieuwe Bos, Pedro Povia, Ignacio Martin-Loeches, Aina Areny, Elena Campana, Luis Morales, Paula Ramirez, Mariano Esperatti, Antoni Torres, Antonio Artigas

C3a and C5b-9 levels differentially predict COVID-19 severity and mortality.

Maria Detsika (Athens, Greece), Elpida Diamanti, Kleio Ampelakiotou, Edison Jahaj, Stamatios Tsipilis, Nikolaos Athanasiou, Alexandros Zacharis, Ioanna Dimopoulou, Stylianos Orfanos, Alexandra Tsirogianni, Anastasia Kotanidou

Calcium-sensing receptor signalling and neutrophil dysfunction: implications in critical illness

Polina Yarova (Newcastle upon Tyne, United Kingdom), Jonathan Scott, Vsevolod Telezhkin, Emma Turnbull, Benjamin J. Patchett, Christopher Merrill, Marie-Helene Ruchaud-Sparagano, Kate Musgrave, Daniela Riccardi, Anthony J. Rostron, Thomas P. Hellyer, John A. Simpson

A pilot trial for ozanimod therapy in hospitalized COVID-19 patients

David Marsolais (Quebec, Canada), Nathalie Châteauvert, Pascale Blais-Lecours, Philippe Rola, Tuyen Nguyen, François Lellouche

Towards a better diagnostic and treatment of ventilator-associated respiratory infections.

Andrea Palomeque Flores (BARCELONA, Spain), Rubén López, Alba Soler, Leticia Bueno, Nona Rovira, Enric Barbeta, Ana Motos, Miriam Villanueva, Nil Vázquez, Roberto Cabrera, Antonio Torres*, Laia Fernández-Barat*

Importance of alveolo-arterial oxygen gradient in monitoring moderate/severe forms of COVID-19

Cristina Maria Tusa (cluj- napoca, Romania), Andreea Daniela Prodisteanu, Diana Laura Moldovan, Loreana Cardos-Rosca

Outcome of patients admitted in Covid ICU during first wave and second wave in Mumbai Tertiary Hospital

ROHIT SUHAS BHINGARDEVE (SANGLI, India), Sudarshan Ramdas Mante, Naman Shamsunder Ajwani, Swapnil Manaji Thorve, Siddharth Ravindranath Waghmare, Jairaj Parameswaran Nair

The Utility of Estimating the Shunt Fraction of Critical Patients with COVID-19 in determining the outcome of High Flow Nasal Cannula at Lung Center of the Philippines, a pilot study.

Marvic Raymond Gabitan (Quezon City, Philippines), Shiela Ganangan

Clinical Profile and Outcomes of COVID19 confirmed cases with Acute Respiratory Distress Syndrome Undergoing Protocol directed assisted Prone Positioning at Lung Center of the Philippines (LCP) from May 1, 2020 to April 30, 2021

Krizelle Acibal (San Jose del Monte Bulacan, Philippines), Noel Gomez, Portia Tanyag

Predictive indexes in prolonged weaning of mechanical ventilation due to tracheostomy in patients with COVID-19 pneumonia

Carlos Maria Franceschini (Ciudad Autónoma Buenos Aires, Argentina), Jorge Rodriguez, Mariano Wysocki, Mercedes Kleinert, Carlos Cozzani, Margarita Torres Boden, Julio Giorgini, Orlando Saque, Amada Sanchez Andia, Andrea Olmos, Mariana Finadesio, Elizabeth Santilli, Daniel Nahmias, Barbara Frias, Maria Lucrecia Olave, Ludmila Ciaponi, Merjay Henriquez Salazar

Ventilator associated pneumonia surveillance in critically ill patients with COVID-19 in a tertiary care hospital

Damla Karadeniz Güven (Ankara, Turkey), Gülçin Telli Dizman, Gökhan Metan, Gamze Durhan, Arzu Topeli, Ahmet Uğur Demir

Impact of combined non-invasive support strategies use during acute respiratory failure due to COVID-19.

Judith Marin Corral (Barcelona, Spain), Francisco Parrilla, Marcos I Restrepo, Sergi Pascual-Guardia, Alejandro Rodriguez, Juan Carlos Ballesteros, Susana Sancho, Lorenzo Socias, Emili Diaz, Antonio Albaya-Moreno, Joan Ramon Masclans

The successful use of Pezzer Catheter in Covid-19 patients

Kalliopi Athanassiadi (Athens, Greece), Symeon Mitrou, Eleni Ischaki, Maria Kazantzi, Ilias Galanis, Evangelia Liverakou, Aikaterini Sarri, Stylianos Kokkoris, Zafeiria Mastora

Delay of intensive care admission of severe COVID-19 patients : what impact on mortality ?

Fatma Essafi (Zaghuan, Tunisia), Imen Talik, Khaoula Ben Ismail, Malek Kharrat, Najla Ben Slimene, Aida Bayoudh, Ilhem Fessi, Moez Kaddour, Takoua Merhabene

Relationship between blood gases and inflammatory markers with clinical outcomes in critically ill patients with COVID-19

Nickson Morais (Mossoró, Brazil), Lara Candice Costa De Morais Leonez, Valéria Duarte De Almeida, Micássio Fernandes De Andrade, Ellany Gurgel Cosme Do Nascimento, José Verissimo Fernandes, Christiane Medeiros Bezerra, Thales Allyrio Araújo De Medeiros Fernandes

Utilization of corticosteroids among patients died with COVID 19: A single center experience from a resource poor setting

Amila Rathnapala (Minuwangoda, Sri Lanka), Buddhini Imbulpitiya, Prabuddha Attanayake, Prasanna Liyanage, Anoma Siribaddana

Clinical and laboratory characteristics of patients who succumbed to COVID-19: a single center experience from a resource poor setting

Amila Rathnapala (Minuwangoda, Sri Lanka), Buddhini Imbulpitiya, Prabuddha Attanayake, Prasanna Liyanage, Anoma Siribaddana

Comparing the effect of strict versus routine awake prone positioning among patients hospitalized with COVID-19

Hamza Asif (Peshawar, Pakistan), Saadia Ashraf, Amber Ashraf

Clinical effects and mortality of family in geriatric COVID-19 patients

Zeynep Sofia Şahin Eröksüz (İstanbul, Turkey), Şehnaz Olgun Yildizeli

TP-22

Session

08:30 - 09:30

Thematic poster: Bridging lung cancer screening with early diagnostics

Disease(s) : Thoracic oncology Airway diseases

Method(s) : General respiratory patient care Imaging Public health Epidemiology

Chairs : Andrew Creamer (Bristol (Avon), United Kingdom), Armin Frille (Leipzig, Germany)

Lung Cancer Screening Program via Primary Care Clinics

Greg Holt (Miami, United States), Dave Cuvi, Robert Flowers, Lisa Hue, Elizabeth Balbin

Eligibility to lung cancer screening among staffs of a university hospital: a large cross-sectional survey.

Emmanuel Grolleau (Lyon, France), Julie de bermont, Flavien Devin, David Pérol, Véronique Lacoste, Loic Delastre, Fanny Fleurisson, Gilles Devouassoux, Jean-Francois Mornex, François Coton, Marie Darrason, Martin Tammemagi, Sébastien Couraud

Evaluating the effectivity of deploying a deep learning-based algorithm to aid clinicians and radiologists in diagnosing pulmonary nodules on chest radiographs

Pranav Ajmera (Pune, India), Amit Kharat, Viraj Kulkarni, Sahil Kathuria, Mukul Saini, Sonali Patil, Preeti Raj, Suraj Ghuwalewala, Manaswini Edara, Reetika Kapoor, Shreeya Goyal, Karthik M., Tejvir Singh, Suhas M., Snehal Rathi, Jitesh Seth, Richa Pant

Characteristics of resolving pulmonary nodules at three months surveillance computerized tomography thorax.

Shahbaz Nazir (Cottingham, United Kingdom), Faizan Haris, Gavin Anderson, Kanwal Tariq

Implementation of the International Lung Screen Trial (ILST) in Catalonia: A Cost Analysis study

Antoni Rosell Gratacos (Badalona (Barcelona), Spain), Sonia Baeza, Francesc López-Seguí, Rocío Mouriño, Maria Saigí, Marta Munné, Jordi Bechini, Adela Gonzalez, Ester Cervera, Marina Compte, Anna Nuñez, Samuel García-Reina, Jordi Ara

Association of COPD and/or emphysema in the lung cancer screening program in Fundación Jiménez Díaz Hospital

Maria De Los Angeles Zambrano Chacon (MADRID, Spain), Carolina María Gotera Rivera, Germán Peces-Barba Romero, Javier Alfayate Sánchez, María Fernanda Troncoso Acevedo, Marcel José Rodríguez Guzmán, Abdulkader El Hachem Debek, Elena Cabezas Pastor, Erwin Javier Pinillos Robles, Diana Sánchez Mellado, Francisco José Laso Del Hierro, María Jesús Rodríguez Nieto, José Joaquim Salvatore Amorim Sortino

Lung Cancer Screening Programme and Pandemic Influences on the Pattern of Referrals to a Thoracic Oncology Service

Marcus Anthony Pittman (Basildon (Essex), United Kingdom), Sabrina Habib

Design and monitoring of the Czech population pilot programme for lung cancer early detection

Karel Hejduk (Ořechov u Brna, Czech Republic), Martina Koziar Vašáková, Ivana Čierná Peterová, Hynek Mírka, Bohumil Seifert, Jana Skříčková, Vladimír Koblížek, Marcela Koudelková, Ondřej Ngo, Ladislav Dušek, Ondřej Májek

Diagnostic and Prognostic utility of eNOSE for Lung Cancer in a TB-endemic setting: A Pilot Study

Rohit Vadala (New Delhi, India), Bijay Pattnaik, Naveen Bhatraju, Divyanjali Rai, Jaya Tak, Seetu Kashyap, Umashankar Verma, Geetika Yadav, R.S. Dhaliwal, Randeep Guleria, Anurag Agrawal, Anant Mohan

Nordic Lung Cancer Registries

Anja Gouliaev (Viby J, Denmark), Torben Riis Rasmussen, Niels Lyhne Christensen

TP-6 Session **08:30 - 09:30****Thematic poster: Asthma and cystic fibrosis: from cellular mechanisms to new targets****Disease(s) :** Airway diseases Respiratory critical care Pulmonary vascular diseases**Method(s) :** Cell and molecular biology Epidemiology**Chairs :** Stefan Marciniak (Cambridge (Cambridgeshire), United Kingdom), Maha Zohra Ladjemi (Paris, France)**Inhaled corticosteroids induce DNA methylation changes in nasal cells of asthma patients**

Alen Faiz (Ultimo (NSW), Australia), Rashad Mahbub, Karosham D. Reddy, Ilse Boudewijn, Gerard H. Koppelman, Maarten Van Den Berge

ER22/23EK and TTH11I polymorphisms in the glucocorticoid receptor gene among asthma patients with regard to the age of onset

Vladyslava Kachkovska (Sumy, Ukraine), Anna Kovchun, Lyudmyla Prystupa

Association of DNA methylation with fractional exhaled nitric oxide levels in pediatric asthma

Javier Perez-Garcia (San Cristóbal de La Laguna, Spain), Mario Martín-Almeida, Esther Herrera-Luis, Carlos De La Rosa-Báez, Mario Gorenjak, Anne H. Neerinx, Olaia Sardon-Prado, Antoaneta Toncheva, Susanne Harner, Christine Wolff, Susanne Brandstetter, Elisa Valletta, Mahmoud I. Abdel-Aziz, Simone Hashimoto, Vojko Berce, Paula Corcuera Elosegui, Javier Korta Murua, Heike Buntrock-Döpke, Paul Brinkman, Susanne J. H. Vijverberg, Joris C. Verster, Nikki Kerssemakers, Catarina Almqvist, Aletta D. Kraneveld, Uroš Potočnik, Michael Kabesch, Anke H. Maitland-Van Der Zee, Maria Pino-Yanes

Inflammatory cellular changes in the large airway of asthma COPD overlap (ACO) patients

Surajit Dey (Launceston, Australia), Wenying Lu, Archana Vijay Gaikwad, Prem Bhattarai, Josie Larby, Collin Chia, Greg Haug, Heinrich C. Weber, Sally Young, Pabuddha S. Pathinayake, Peter A.B. Wark, Mathew Suji Eapen, Sukhwinder Singh Sohal

IL-33 signal impairment attenuates experimental pulmonary hypertension and fibroblast proliferation in mice

Kathryn Wilson (Glasgow, United Kingdom), Saad Wali, Milton Kodom, David Welsh

Genome-wide association analysis identifies variants in the chromosome 21 associated with asthma exacerbations in Brazilian adults

Maria Santana (Salvador, Brazil), Helena Teixeira, Hatilla Silva, Mahmoud Abdel-Aziz, Susanne Vijverberg, Simone Hashimoto, Anke Maitland-Van Der Zee, Camila Figueiredo, Álvaro Cruz, Ryan Costa

The upper airway microbiome composition is associated with inhaled corticosteroid response in asthma

Javier Perez-Garcia (San Cristóbal de La Laguna, Spain), Mario González Carracedo, Antonio Espuela-Ortiz, José M Hernández-Pérez, Ruperto González-Pérez, Olaia Sardon, Elena Martín-González, Elena Mederos-Luis, Paula Corcuera, Inmaculada Sánchez-Machín, Paloma Poza-Guedes, Ariel Callero, Javier Korta-Murua, José Antonio Pérez Pérez, Jesús Villar, Maria Pino-Yanes, Fabian Lorenzo-Diaz

KYNU gene variants and lifestyle factors associated with Asthma in Singapore Chinese.

Praneeth Malipeddi (Singapore, Singapore), Fook Tim Chew

Epigenome-wide association study of paediatric asthma in African Americans

Esther Herrera Luis (La Laguna, Spain), Carlos de la Rosa Báez, Javier Perez-Garcia, Mario Martin-Almeida, Kenneth B. Beckman, Michael A. Lenoir, Luisa N. Borell, Esteban G. Burchard, María Pino-Yanes

LSC - 2022 - Local airway expression of Inc-SERPINA12-1 in children with Cystic Fibrosis

Zuzanna Stachowiak (Poznan, Poland), Beata Narożna, Wojciech Langwiński, Irena Wojsyk-Banaszak, Katarzyna Jończyk-Potoczna, Anna Bręborowicz, Aleksandra Szczepankiewicz

Transcriptome comparison between air-liquid interface differentiated nasal and bronchial epithelial cells of infants with cystic fibrosis

Lisa Rodenburg (Utrecht, Netherlands), Sabine Michel, Karin De Winter-De Groot, Cornelis Van Der Ent, Jeffrey Beekman, Gimano Amatngalim

Allergic airway inflammation affects signaling pathways in adipose tissue via mRNA-miRNA interactions in the rat

Aleksandra Szczepankiewicz (Poznań, Poland), Dawid Szczepankiewicz, Wojciech Langwiński, Joanna Nowakowska, Paweł Kołodziejwski, Ewa Pruszyńska-Oszmałek, Maciej Sassek, Natalia Leciejewska, Kamil Ziarniak

Association of asthma genetic variants with asthma-associated traits reveals molecular networks of eosinophilic asthma

Zaid Elhousseini (Groningen, Netherlands), Judith Vonk, Maarten Van Den Berge, Reinoud Gosens, Gerard Koppelman

Genome-wide cis-expression-Quantitative Trait Loci (eQTL) in association with asthma.

Zachary Chua (Singapore, Singapore), Yang Yie Sio, Fook Tim Chew

Sputum metagenomics of U-BIOPRED asthma cohort: link to severity and granulocytic inflammation

ALI VERSI (London, United Kingdom), Ivan Fransiskus Xaverius, Mahmoud Abdel-Aziz, Stewart Bates, John Riley, Take Ogawa, Sven-Erik Dahlen, Ratko Djukanovic, Peter Sterk, Anke-Hilse Maitland-Van Der Zee, Sanjay H Chotirmal, Peter Howarth, Ian M Adcock, Kian Fan Chung

Altered airway epithelial cell landscape in U-BIOPRED severe asthma

Ian M. Adcock (London, United Kingdom), Ying Shi, Nazanin Zounemat Kermani, Alen Faiz, Kian Fan Chung, Philip M. Hansbro, Xin Yao, Maarten Van Den Berge, Martijn Nawijn

Nasal airway epithelium differentiates between asthma and healthy subjects and identifies clinically relevant asthma endotypes

Tatiana Karp (Groningen, Netherlands), A. Faiz, H.A.M. Kerstjens, I.M. Boudewijn, M. Kraft, J.M. Vonk, M.C. Nawijn, H.I. Heijink, L.M. Fabbri, K.F. Rabe, G. Nicolini, A. Papi, C. Brightling, D. Singh, T. Van Der Molen, S. Siddiqui, V. Guryev, M. Van Den Berge

Expression of eosinophil-associated gene signatures in U-BIOPRED severe asthma

Janice Koranteng (London, United Kingdom), Nazanin Zounemat-Kermani, Yusef Badi, Ian M. Adcock, Charalambos Michaeloudes, Kian Fan Chung, Pankaj Bhavsar

GSVA analysis of steroid insensitive signatures in severe asthma.

Piers Dixey (London, United Kingdom), Nazanin Zounemat-Kermani, Katie Raby, Ian Adock, Pankaj Bhavsar, Kian Chung

Translating host-respiratory virus genetic susceptibility signals to candidate casual genes and pathways to provide therapeutic opportunities

Christina Shrees (Nottingham, United Kingdom), Kamini Rakkar, Michael Portelli, Nicholas Hannan, Alexander Tarr, Ian Sayers

TP-14

Session

08:30 - 09:30

Thematic poster: Occupational respiratory infectionsDisease(s) : **Interstitial lung diseases** **Airway diseases**

Method(s) : Public health General respiratory patient care Epidemiology Cell and molecular biology Imaging

Chairs : Kurt Straif (Ste. Foy-les-Lyon, France), Sara De Matteis (Cagliari, Italy)

Comparison of humoral immune responses to initial and booster SARS-CoV-2 vaccination among respiratory health professionals

Imre Barta (Budapest, Hungary), Viktória Schmidt, Imola Mán, Márta Valyon, Lilla Lőrinczi, Balázs Antus

Severity of SARS-CoV-2 pneumonia according to occupational exposure to asbestos

Galo David Granados Rosales (Barcelona, Spain), María Sáez López, Cristina Aljama Vizcarra, Julia Sampol Sirvent, María Jesús Cruz Carmona, Jaume Ferrer Sancho

Pandemic Covid-19 and the risk of burnout among health personnel at Hassan II Hospital in Agadir, Morocco.

fatiha bounoua (AGADIR, Morocco), Abdelkrim Khannous, Houda Moubachir, Hind Serhane

COVID-19-disease prevalence and its characteristics among health care workers of specialized respiratory clinics in Germany one year after the start of vaccination campaign

Maria Ada Presotto (Heidelberg, Germany), Stella Piel, Rudolf A. Jörres, Stefan Karrasch, Wolfgang Gesierich, Jörn Bullwinkel, Klaus F. Rabe, Markus Hayden, Franziska Kaestner, Dominik Harzheim, Biljana Joves, Axel Tobias Kempa, Alessandro Ghiani, Claus Neurohr, Michael Kreuter, Felix J. F. Herth, Franziska C. Trudzinski

Risk factors for pandemic-related workplace absenteeism among health care workers and the impact of vaccination

Stella Piel (Bonn, Germany), Maria Ada Presotto, Rudolf A. Jörres, Stefan Karrasch, Wolfgang Gesierich, Jörn Bullwinkel, Klaus F. Rabe, Markus Hayden, Franziska Kaestner, Dominik Harzheim, Biljana Joves, Axel Tobias Kempa, Alessandro Ghiani, Claus Neurohr, Michael Kreuter, Felix J.F. Herth, Franziska Christina Trudzinski

Profile of healthcare workers who contracted COVID-19 after vaccination against SARS-CoV-2

Ons Grissa (Tunis, Tunisia), Nihel Khouja, Emna Baraketi, Jihen Hsinet, Saloua Ismaïl, Nawres Gannoun, Aida Benzarti, Abdelmajid Ben Jemaa

Respiratory symptomatology of Covid-19 in healthcare workers

Ons Grissa (Tunis, Tunisia), Amani Dallagi, Saloua Ismail, Jihen Hsinet, Emna Baraketi, Nihel Khouja, Aida Benzarti, Abdelmajid Ben Jemaa

Investigation of cellular and humoral immune responses following COVID-19 vaccination in respiratory healthcare professionals

Viktoria Schmidt (Budapest, Hungary), Imola Man, Balazs Antus, Imre Barta, Marta Valyon, Lilla Lorinczi

Mental health, quality of life, and COVID-19 fear in Turkish healthcare workers practicing in pandemic hospitals

Abdulsamet Sandal (Ankara, Turkey), Dilek Karadogan, Tahsin Gokhan Telatar, Abdurrahman Kotan, Esin Bilgin Konyalihatipoğlu, Merve Yumrukuz Senel, Damla Karadeniz Guven, Khurshud Huseynova, Burcu Yalcin, Pelin Asfuroglu, Tugba Ramasli Gursoy, Tugba Sismanlar Eyuboglu, Fatma Gulsum Karakas, Neslihan Kose, Kaan Kara, Selman Celik, Ceren Ilgar, Aycan Yuksel, Nese Merve Guner Zirih, Inci Selimoglu, Pinar Yildiz, Merve Ercelik, Ahu Cerit Cakir, Nazli Cetin Beyaz, Ilknur Kaya, Selen Karaoglanoglu, Feride Marim, Umran Ozden Sertcelik, Kubra Uyar Er, Neslihan Ozcelik, Ozlem Ataoglu, Okkes Gultekin, Aslihan Banu Er, Metin Akgun

Late Breaking Abstract - Environmental nanoparticle exposure triggers gammaherpesvirus reactivation via the MAPK signaling pathway in macrophages

Lianyong Han (Munich, Germany), Verena Haefner, David Kutschke, Beatrix Steer, Anna Fuchs, Martin Irmeler, Johannes Beckers, Annette Feuchtinger, Margit Heier, Annette Peters, Heiko Adler, Tobias Stoeger

Late Breaking Abstract - Carbon footprint of maintenance and reliever therapy (MART) versus maintenance plus SABA (Mx+SABA) regimens for asthma: Results from the healthCARE-Based environmental cost of treatment (CARBON) programme

John Bell (Cambridge, United Kingdom), Ekaterina Maslova, Paul Miller, Alex Wilkinson, Christer Janson, Richard Beasley, Michael Crooks

Late Breaking Abstract - Carbon nanoparticle-triggered virus reactivation as a link between the inflammatory response to air pollutants and chronic lung disease

Verena Haefner (Neuherberg, Germany), Lianyong Han, David Kutschke, Beatrix Steer, Ali Oender Yildirim, Heiko Adler, Tobias Stoeger

Late Breaking Abstract - TRP and TLR receptors modulate airway responses to diesel exhaust and allergen co-exposure in sensitized participants

Chris Carlsten (Vancouver, Canada), Ryan D. Huff, Andrew Robinson, Min Hyung Ryu

Late Breaking Abstract - Evaluation and Prediction of COVID-19 Case Fatality Rates from 156 countries

Cui Zhou (Beijing, China), Jing Gao, Chutian Zhang, Lei Xu

Late Breaking Abstract - Dwelling visible mould exposure increased asthma symptom score in the CONSTANCES cohort

Tajidine TSIAVIA (Villejuif, France), Emilie Fréalle, Valérie Bex, Oriane Dumas, Marcel Goldberg, Nicole Le Moual, Celine Ribet, Nicolas Roche, Marine Savouré, Raphaëlle Varraso, Marie Zins, Bénédicte Leynaert, Laurent Orsi*, Rachel Nadif*

Late Breaking Abstract - Association of COPD exacerbations with cardiovascular events – a population-based cohort study

Anders Løkke (Højbjerg, Denmark), Peter Lange, Rikke Ibsen, Gunilla Telg, Jesper Lykkegaard, Ole Hilberg

Late Breaking Abstract - ¿HAS MORTALITY FROM COPD DECREASED IN SPAIN IN THE LAST TWO DECADES?

Gema Ramirez Rodriguez (Granada, Spain), Ana Quesada Quesada, Antonio Menendez Lobo, Alejandro Romero Linares, Cristian Rodriguez Rivas, Pedro Romero Palacios, Bernardino Alcazar Navarrete

Late Breaking Abstract - Body mass index associated with lowest mortality in patients with chronic obstructive pulmonary disease.

Sigrud Anna Vikjord (Levanger, Norway), Arnulf Langhammer, Lowie Vanfleteren

Late Breaking Abstract - lung function decline in chronic kidney disease

CHI YOUNG KIM (Seoul, Republic of Korea), You Na Kim, Beong Ki Kim

Late Breaking Abstract - The impact on future risk of one moderate COPD exacerbation in GOLD A patients – a cohort study

Anders Løkke (Højbjerg, Denmark), Ole Hilberg, Peter Lange, Rikke Ibsen, Per Bakke, Lene Maria Ørts

TP-21

Session

08:30 - 09:30

Thematic poster: Bronchiectasis: 2

Disease(s) : **Airway diseases**

Method(s) : Epidemiology General respiratory patient care Pulmonary function testing

Chairs : Michal Shteinberg (Haifa, Israel), Zina Alfahl (Galway, Ireland)

Etiology of Bronchiectasis in Adults in Ukraine

Kateryna Gashynova (Dnipro, Ukraine), Kseniia Suska, Valeriia Dmytrychenko

Mortality related risk factors in patients with non-cystic fibrosis bronchiectasis

Oxana Munteanu (Chişinău (Chişinău), Republic of Moldova), Dumitru Chesov, Doina Rusu, Leonid Onea, Victor Botnaru

Particularities of post-tuberculosis bronchiectasis

Sarra Ben Sassi (ariana, Tunisia), Houda Rouis, Chirine Moussa, Marwa Bougacha, Amel Khattab, Ibtihel Khouaja, Leila Bayahi, Ines Zendah, Sonia Maalej

Determinants of Quality of Life using the bronchiectasis impact measure (BIM)

Megan Crichton (Dundee (Angus), United Kingdom), Amelia Shoemark, James Chalmers

Risk factors for Pseudomonas aeruginosa colonization bronchiectasis and clinical implications

Leila Douik El Gharbi (Ariana, Tunisia), Rihab Jebali, Ines Moussa, Imen Sahnoun, Siwar Rejeb, Marwa Bougacha

Initiating NIV in bronchiectasis – Is it a sign of poor life expectancy?

Ashish Chudasama (Pinner, United Kingdom), Felicity Dickens, Tanjila Khan, Rachel Dexter-Spooncer, Anand Shah, Janet Stowell, Michael Loebinger, Ari Manuel, Sriram Iyer, Michael Polkey, Ricardo José

Effect of COVID-19 on non-cystic fibrosis bronchiectasis exacerbation rates: a retrospective claims study

Ioannis Psallidas (London, United Kingdom), Annika Åstrand, Steven J. Kiddle, Rohith Siva Ganesh Mudedla, Sanchita Porwal, Kaushik Chafekar, Carlos Seminario, James D. Chalmers

Association between the viscoelastic characteristics and sputum colour in patients with bronchiectasis

Leticia Bueno-Freire, Nona Rovira, Victoria Alcaraz-Serrano, Héctor Sanz-Fraile, Nil Vázquez-Burgos, Rosanel Amaro-Rodríguez, Patricia Oscanoa, Ruben López-Aladid, Andrea Palomeque, Ramon Farré, Jorge Otero, Laia Fernández-Barat*, Antoni Torres*

Design of the 52-week Phase 3 MAHALE Study of Benralizumab in Patients with Non-Cystic Fibrosis Bronchiectasis

James D. Chalmers (Dundee (Angus), United Kingdom), Lila Bahadori, Dianne Griffis, Annika Åstrand, Carlos Seminario, Eva Rodriguez-Suarez, Yue Song, Vivian H. Shih, Rohit Katial, Christopher McCrae, Maria Jison, Mihir Shah, Ioannis Psallidas

Bacteriological profile of bronchiectasis superinfections

Hajar Bamha (casablanca, Morocco), Hajar Arfaoui, Hasna Jabri, Wiam El Khattabi, Moulay Hicham Afif

Do adults with Primary Ciliary Dyskinesia (PCD) have a positive experience of home spirometry?

Stevie Peake (London, United Kingdom), Andrew Jones, Ricardo Jose, Elaine Shattock, Michael R Loebinger

Clinical outcomes of bronchiectasis rheumatoid overlap syndrome in Taiwan

Hung Yu Huang (Taipei, Taiwan), Meng Heng Hsieh, Jhen Ling Huang, Fu-Tsai Chung, Chun-Hua Wang, Horng-Chyuan Lin

Assessment of a self-administered home intravenous antimicrobial therapy service for patients with chronic suppurative lung disease

Georgia Lamb (London, United Kingdom), Sarah Stoll, Ricardo Jose, Michael Loebinger, Anand Shah, Janet Stowell

Improving Physiotherapy Care of Bronchiectasis Inpatients

Jennifer Kilduff (London, United Kingdom), Afrasiab Ahmad, Lizzie Grillo, Janet Stowell

Regional features of Pseudomonas aeruginosa (PA) antibiotic (AB) resistance (R) in patients (pts) with bronchiectasis (Bx)

Kateryna Gashynova (Dnipro, Ukraine), Kseniia Suska, Valeriia Dmytrychenko

Late Breaking Abstract - Microbiome characterization in patients with bronchiectasis and its association with severity and bronchial inflammation. Bronchi-Omics Project.

Filipe Gonçalves Dos Santos Carvalho (Barcelona, Spain), Toni Zapata Comas, Laura Rodríguez Pons, Sara Quero Blanca, Esther Barreiro Portela, Liyun Quin, Annie Navarro Rolon, Javier Pomares Amigó, Concepción Montón Soler, Montserrat Vendrell Relat, Gerard Muñoz Castro, Eva Polverino, Antonia Llundell Casanoves, Guillermo Suarez Cuartin, Carmen Calero Acuña, Jorge Abad Capa, Antoni Rosell Gratacós, Alicia Marin Tapia

Late Breaking Abstract - Optimizing the diagnostic approach for Primary Ciliary Dyskinesia with normal ultrastructure

Johanna Raidt (Münster, Germany), Henrike Krenz, Johannes Tebbe, Jörg Große-Onnebrink, Heike Olbrich, Niki Tomas Loges, Luisa Biebach, Christian Schmalstieg, Christina Keßler, Julia Wallmeier, Bernd Dworniczak, Petra Pennekamp, Martin Dugas, Claudius Werner, Heymut Omran

TP-17

Session

08:30 - 09:30

Thematic poster: Fantastic beasts: where to find them and how to treat**Disease(s) :** Interstitial lung diseases Respiratory critical care Airway diseases**Method(s) :** Transplantation Cell and molecular biology General respiratory patient care Endoscopy and interventional pulmonology Epidemiology Public health Respiratory intensive care Surgery Pulmonary function testing**Chairs :** Berta Saez Gimenez (Barcelona, Spain), Chair to be confirmed**Serological response following second and third SARS-CoV-2 vaccines in lung transplant recipients**

Enikő Bárczi (Budapest, Hungary), Viktoria Varga, Alexandra Nagy, Noemi Eszes, Zsuzsanna Jáky-Kováts, Veronika Müller, Aniko Bohacs

Covid-19 in lung allograft recipients - better outcomes after vaccination?

Mário Alexandre Oliveira Pinto (Amadora, Portugal), João Rodrigues, Ana Sofia Santos, Luísa Semedo

Sotrovimab: a new therapeutic option in lung transplant

Rosa Gutiérrez-Larraya Sánchez-Andrade (Madrid, Spain), Silvia Aguado Ibáñez, Marta Erro Iribarren, Guillermo Padín Pico, Adriana Carolina Amaral Corgo, Brais Baamonde Veiga, Marta Lopez Pando, Sonia Salinas Castillo, Myriam Aguilar Pérez, Rosalía Laporta Hernández, Piedad Ussetti Gil, Beatriz Jara Chinarro

Can SARS-CoV-2 infection drive in an acute rejection in lung transplant recipients?

Thais Beauperthuy Levy (Valencia, Spain), Maria Nieves Balaguer Cartagena, Desamparados Pastor, Juan Pablo Reig Mezquida, Laura Feced, Gabriel Anguera De Francisco, Alberto García-Ortega, Isabel Amara, Amparo Solé Jover

NK and T cells responses to CMV in patients awaiting for lung transplantation

Laura Bergantini (siena, Italy), Dalila Cavallaro, Miriana D'Alessandro, Sara Gangi, Luca Luzzi, Antonella Fossi, Piero Paladini, Elena Bargagli, David Bennett

Alteration of Immune-checkpoint after specific stimulation with CMV antigens in pre-LTx patients

Laura Bergantini (siena, Italy), David Bennett, Dalila Cavallaro, Ambra Otranto, Miriana D'Alessandro, Sara Gangi, Luca Luzzi, Piero Paladini, Antonella Fossi, Elena Bargagli

Impact of Candida spp. contamination of preservation solutions in lung transplantation: a national experience over a 10-year period

Clara Noret (Nantes, France), Cédric Bretonnière, Florent Morio, Tristan Degot, Valérie Bru, Clément Picard, Emilie Cardot, Benjamin Coiffard, Stéphane Ranque, Loic Falque, Murielle Cornet, Pierre Gazengel, Anne Gigandon, Agathe Senechal, Jean Menotti, Vincent Bunel, Christine Bonnal, Aurélie Leborgne, Sophie Cassaing, Xavier Demant, Frederic Gabriel, Eric Dannaoui, F-Xavier Blanc, Adrien Tissot

Fungal colonisation in lung transplant recipients: A retrospective study from India

Owais Tisekar (Bangalore, India), Md Moiz Lalani, Vijil Rahulan, Srinivasa K Ravipati, Unmil Shah, Prabhat Dutta, Sandeep Attawar

The role of staphylococcus aureus colonization on lung function decline and chronic lung allograft dysfunction in CF lung transplant recipients

Bart Luijk (Utrecht, Netherlands), Elize Berg, Dieuwertje Ruigrok, Miquel Ekkelenkamp, Harry Heijerman, Inez Bronsveld

Clinical outcome following lung transplantation in patients with CF colonized with Burkholderia cepacia complex: results from Mater Hospital lung transplant center Dublin.

Amel Alameeri (Dublin 4, Ireland), Michelle Murray

Tuberculosis while on Lung transplant wait list & on ECMO as bridge to transplant- An ethical and clinical challenge

Apar Jindal (Chennai (Tamil Nadu), India), Shubham Sharma, Sricharan Goda, Rakesh Mamilla, Kamran Ali, Sri Ravikanth Vanguri, Jnanesh Thacker

Late Breaking Abstract - dd-cfDNA and DSA in the occurrence of acute rejection in lung transplant recipients

Pascal PEDINI (Marseille, France), Silvia Casas, Benjamin Coiffard, Jacques Chiaroni, Coralie Frassati, Martine Reynaud-Gaubert, Christophe Picard

Late Breaking Abstract - Characterization of chronic lung allograft dysfunction phenotypes using oscillometry

Anne Fu (Toronto, Canada), Anastasiia Vasileva, Nour Hanafi, Natalia Belousova, Joyce Wu, Sarada Sriya Rajyam, Zoltan Hantos, Chung-Wai Chow

Late Breaking Abstract - Safety of oral Nirmatrelvir plus Ritonavir in Lung transplant recipients

Osnat Strachman (Petach Tikva, Israel), Lev Fridkin, Ilana Bakal, Dorit Shitenberg, Yael Shostak, Moshe Heching, Shai Amor, Dror Rosengarten, Yaron Barac, Yuri Peysakhovich, Ala Atamna, Barak Pertzov, Mordechai Kramer

Late Breaking Abstract - Lung transplant and COVID-19: A single centre experience in Ireland

Helen O'Brien (Ratoath, Ireland), Suzanne Carter, Michelle Murray

Studio **Session** **08:45 - 09:15****News from the Studio: Day 3 highlights not to miss****Chairs** : Pierantonio Laveneziana (Paris, France), Emer Kelly (Dublin 4, Ireland)**08:45** **Discussion and Q&A****8G (live-streamed)** **Session** **09:30 - 11:00****Hot topics: Thoracic surgery and COVID-19 pandemic: an unexpected intimate relationship****Aims** : to report the incidence and outcome of the complications of COVID-19 that require thoracic surgery.**Disease(s)** : Respiratory critical care Respiratory infections Thoracic oncology**Method(s)** : Pulmonary rehabilitation Surgery Transplantation**Tag(s)** : COVID**Target audience** : Adult pulmonologist/Clinician, Medical Student, Nurse, Respiratory critical care physician, Radiologist, Thoracic oncologist, Thoracic surgeon, Respiratory therapist**Chairs** : Carlos Robalo Cordeiro (Coimbra, Portugal), Federica Meloni (Pavia (PV), Italy)**09:30** **Defining appropriate surgical management of thoracic complications**
Isabelle Opitz (Zurich, Switzerland)**09:45** **Tracheal complications after prolonged intubation: risk factors, surgical indications and outcome**
Marco Lucchi (Pisa (PI), Italy)**10:00** **Lung transplant in COVID 19 patients: post acute versus long term sequelae.**
Peter Jaksch (wien, Austria)**10:15** **The positive downside: unveiling of unknown chest malignancies.**
Stefano Elia (Roma (RM), Italy)**10:30** **Discussion and Q&A****8C (live-streamed)** **Session** **09:30 - 11:00****Clinical cases: Lungs on fire: Paediatric respiratory diseases****Aims** : To facilitate the presentation of real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.**Disease(s)** : Paediatric respiratory diseases**Tag(s)** : Clinical**Target audience** : Paediatrician, General practitioner, Physician in Pulmonary Training, Clinical researcher, Nurse, Thoracic oncologist, Radiologist, Respiratory physiotherapist, Respiratory therapist**Chairs** : Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Alexander Möller (Zürich, Switzerland), Cristina Arduro-Garcia (Bern, Switzerland)**Discussants** : Monika Gappa (Düsseldorf, Germany), Andrew Bush (London, United Kingdom)**09:30** **Case 1 incl. panel discussion and Q&A - Author: K. Hillson (United Kingdom)**
Monika Gappa (Düsseldorf, Germany)**09:52** **Case 2 incl. panel discussion and Q&A - Author: A. Sepahzad (United Kingdom)**
Andrew Bush (London, United Kingdom)**10:14** **Case 3 incl. panel discussion and Q&A - Author: S. Louey (Australia)**
Monika Gappa (Düsseldorf, Germany)**10:36** **Case 4 incl. panel discussion and Q&A - Author: M. Folch Benito (Spain)**
Andrew Bush (London, United Kingdom)**Studio** **Session** **09:30 - 11:00****Language session: Chinese Programme 2022****A joint ERS/CTS session**

Aims : To present and discuss the new advances in respiratory medicine presented by experienced speakers from the European Respiratory Society leadership and Chinese leaders in respiratory medicine; to present an overview of hot respiratory disease topics in Europe and China.

Method(s) : Epidemiology Public health Respiratory intensive care

Tag(s) : COVID

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Respiratory critical care physician, Pathologist, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist

Chairs : Jieming Qu (Shanghai, China), Tobias Welte (Hannover, Germany), Georgia Hardavella (Athens, Greece)

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| 09:30 | Early interventions of lung cancer
Nanshan Zhong (Guangzhou (Guangdong), China) |
| 09:45 | Status and future perspective of biomarkers in early detection of lung cancer
Torsten Gerriet Blum (Berlin, Germany) |
| 10:00 | Clinical progress in critical care of pulmonary medicine in China
Li-xin Xie (Beijing, China) |
| 10:15 | New insights in the pathophysiology of ARDS
Lieuwe D.J. Bos (Amsterdam, Netherlands) |
| 10:30 | Discussion and Q&A |

8H (live-streamed) Session 09:30 - 11:00

Primary care session: Asthma diagnosis: new and old approaches to increase primary care capability

Aims : to discuss the latest approaches for the difficult task of diagnosing asthma in clinical practice.

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Pulmonary function testing

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, General practitioner, Nurse, Physician in Pulmonary Training

Chairs : Thierry Troosters (Leuven, Belgium), Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Monica Kraft (New York, United States)

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| 09:30 | The clues for asthma diagnosis in primary care
Janwillem W. H. Kocks (Groningen, Netherlands) |
| 09:45 | New and old tests for asthma diagnosis in primary care: from peak-flow to FeNO
David Lo (Leicester, United Kingdom) |
| 10:00 | Oscillometry: a renewed and suitable tool for asthma diagnosis in primary care?
Salman Siddiqui (Leicester, United Kingdom) |
| 10:15 | From diagnosis to self-management: supporting the patient's journey
Cláudia Vicente (Coimbra, Portugal) |
| 10:30 | Discussion and Q&A |

8A (live-streamed) Session 09:30 - 11:00

State of the art session: Sleep and breathing disorders

Myth or reality: is obstructive sleep apnoea really critical for cardiovascular complications? Current evidence about pathophysiology, clinical implications and future perspectives

Aims : to summarise the current knowledge of the impact of obstructive sleep apnoea (OSA) on cardiovascular complications; to explain the link between the hypoxic burden, associated intracellular mechanisms and cardiovascular comorbidities; to describe critical endpoints of OSA including cardiovascular morbidity, mortality and patient-related outcome measures; to summarise current evidence of the effects of positive airway pressure (PAP) treatment on cardiovascular endpoints; to critically discuss the limitations and strengths of current trials; to define future research needs.

Disease(s) : Sleep and breathing disorders**Method(s) :** General respiratory patient care Physiology**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Scientist (basic, translational)**Chairs :** Sophia E. Schiza (Heraklion, Greece), Winfried J. Randerath (Solingen, Germany)**09:30 The hypoxic burden and intracellular mechanisms**
Silke Ryan (Dublin, Ireland)**09:45 What endpoints really matter? The clinical relevance of morbidity, mortality and patient-related outcome measures**
G. Parati (Milano (MI), Italy)**10:00 Appraisal and critical review of the effects of PAP treatment on cardiovascular endpoints**
Anita Simonds (London, United Kingdom)**10:15 The future of sleep science: what are the correct targets, outcome parameters, innovative studies and methodologies?**
Raphael Heinzer (Lausanne, Switzerland)**10:30 Discussion and Q&A****8B (live-streamed) Session 09:30 - 11:00****Journal session: Respiratory strategies for COVID-19, diagnostic strategies for venous thromboembolism and screening for COPD****Highlights from JAMA****Aims :** to provide an update on noninvasive respiratory strategies for acute hypoxemia in COVID-19; to provide an update on screening for COPD; to provide an update on diagnostic strategies for venous thromboembolism.**Disease(s) :** Airway diseases Respiratory critical care**Method(s) :** Epidemiology General respiratory patient care Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Respiratory critical care physician, Physician in Pulmonary Training, Respiratory therapist**Chairs :** Olivier Sitbon (Le Kremlin-Bicêtre, France), Kristin Walter (Chicago, United States)**09:30 Noninvasive diagnostic strategies for acute hypoxemia in COVID-19**
Gavin D Perkins (Birmingham (West Midlands), United Kingdom)**09:45 Screening for COPD**
John R Hurst (London, United Kingdom)**10:00 Diagnostic strategies for venous thromboembolism**
Yonathan Freund (Paris, France)**10:15 Discussion and Q&A****8L Session 09:45 - 11:00****Oral presentation: Recent advances in biological treatments for asthma****Disease(s) :** Airway diseases**Method(s) :** General respiratory patient care Physiology Epidemiology**Chairs :** Manali Mukherjee (Hamilton (ON), Canada), Apostolos Bossios (Stockholm, Sweden)**Efficacy of tezepelumab in patients with severe, uncontrolled asthma and low blood eosinophil counts not receiving maintenance oral corticosteroids**

Andrew Menzies-Gow (London, United Kingdom), Bill Cook, Gene Colice, Åsa Hellqvist, Jean Pierre Llanos-Ackert, Christopher S. Ambrose

Prevalence and impact of hyper eosinophilia in severe asthma treated by dupilumab: an observational analysis

Stephanie Everaerts (Leuven, Belgium), Bart Hilvering, Els Weersink

Dupilumab improved lung function and reduces exacerbations in patients with 1, 2, or 3 prior exacerbations: TRAVERSE

Jonathan Corren (Los Angeles, United States), Mario Castro, Jorge F Maspero, Marc Humbert, David M G Halpin, Arman Altincatal, Nami Pandit-Abid, Xavier Soler, Shahid Siddiqui, Juby A Jacob-Nara, Yamo Deniz, Paul J Rowe

Benralizumab attenuates blood and airway eosinophilia in severe asthmatics with inadequate response to anti-IL-5 neutralizing antibodies

Manali Mukherjee (Hamilton (ON), Canada), Anurag Bhalla, Carmen Venegas-Garrido, Chynna Huang, Katherine Radford, Melanie Kjarsgaard, Sylvia Lauks, Kiho Son, Nicola Lavigne, Roma Sehmi, Paul O'Byrne, Parameswaran Nair

Past smoking does not influence response to biologic therapy in patients with severe asthma

Mohammed Rahman (Portsmouth, United Kingdom), Paddy Dennison, Adnan Azim, Anna Freeman, Hans Michael Haitchi, Ramesh Kurukulaaratchy, Hitasha Rupani

Relation between reduction in fractional exhaled nitric oxide and efficacy in asthma patients treated with dupilumab

Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Yamo Deniz, Thomas Casale, Jonathan Corren, Mark Fitzgerald, Nadia Daizadeh, Alexandre Jagerschmidt, Myles Dillon, Rebecca Gall, Nami Pandit-Abid, Shahid Siddiqui, Juby A. Jacob-Nara, Paul J. Rowe, William W. Busse

On-treatment clinical remission with tezepelumab among patients with severe, uncontrolled asthma in the phase 3 NAVIGATOR study

Mario Castro (Kansas City, United States), Christopher S Ambrose, Gene Colice, Stephanie L Roseti, Kamil Kmita, Bill Cook, Neil Martin, Jean-Pierre Llanos-Ackert, Andrew Menzies-Gow

Clinical response and remission in patients with severe asthma treated with biologic treatment: Findings from the nationwide Danish Severe Asthma Registry

Celeste Michala Porsbjerg (Copenhagen, Denmark), Susanne Hansen, Anna Von Buelow, Marianne Bastrup Soendergaard, Linda Makowska Rasmussen, Claus Rikard Johnsen, Truls Sylvan Ingebrigtsen, Kjell Erik Julius Haakansson, Karin Dahl Assing, Sofie Lock Johansson, Johannes Schmid, Anne-Sofie Bjerrum, Ole Hilberg, Charlotte Ulrik

Effect of tezepelumab on a composite of severe asthma exacerbations and acute worsening events, CompEx, in the phase 3 NAVIGATOR study

Guy Brusselle (Ghent, Belgium), Neil Martin, Sandhia Ponnarambil, Gillian Hunter, Åsa Hellqvist, Malin Fagerås, Carla A Da Silva

Late Breaking Abstract - Mepolizumab effectiveness in severe asthma supported by federated analysis of European SHARP data

Johannes A Kroes (Leeuwarden, Netherlands), Rafael Alfonso-Cristancho, Aruna T Bansal, Emmanuelle Berret, Kristina Bieksiene, Arnau Bourdin, Luisa Brussino, Diogo Canhoto, Cristina Cardini, Gulfem Celik, Zsuzsanna Csoma, Barbro Dahlén, Ebru Damadoğlu, Katrien Eger, Lisa Gauquelin, Bilun Gemicioglu, Ozlem Goksel, Sophie Graff, Enrico Heffler, Hendrik B Hofstee, Peter Howarth, Rupert Jakes, Fabienne Jaun, Virginija Kalinauskaite-Zukauske, Peter Kopač, Namhee Kwon, Claudia C Loureiro, Víctor Lozoya Garcia, Matthew Masoli, Maria Paula Rezelj, Luis Pérez De Llano, Sanja Popović-Grle, David Ramos-Barbon, Anna Sà Sousa, Konstantinos Samitas, Florence Schleich, Concetta Sirena, Sabina Skrgat, Eleftherios Zervas, George Zichnalis, Elisabeth H Bel, Jacob K Sont, Simone Hashimoto, Anneke Ten Brinke

Discussion

8N

Session

09:45 - 11:00

Oral presentation: Cellular involvement in lung diseases**Disease(s)** : Respiratory critical care Interstitial lung diseases Airway diseases**Method(s)** : Respiratory intensive care Cell and molecular biology**Chairs** : Agnes Boots (Maastricht, Netherlands), Sara Rolandsson Enes (Lund, Sweden)**Extracellular vesicles propagate cellular senescence by transferring miR34a in airway epithelial cells**

Justine Devulder (London, United Kingdom), Jonathan R. Baker, Lina Odqvist, Louise E. Donnelly, Peter J. Barnes

SFRP1-linked to extracellular vesicles promotes pulmonary fibrosis

Olivier Burgy (Dijon, France), Christoph H. Mayr, Beatriz Ballester Llobell, Arunima Sengupta, Sabrina Loriod, Ali Önder Yildirim, Mareike Lehmann, Herbert B. Schiller, Gerald Burgstaller, Melanie Königshoff

Potential prothrombotic role of extracellular vesicles during exacerbation of chronic obstructive pulmonary disease

Erica Bazzan (Padova (PD), Italy), Tommaso Neri, Dario Nieri, Federica Ceriegi, Camilla Morani, Alessandro Celi

MSC extracellular vesicles ameliorate ARDS via activation of mitochondrial biogenesis

Catherine McClintock (Bangor, United Kingdom), Johnatas Silva, Declan Doherty, Cecilia O'Kane, Daniel Mc Auley, Anna Krasnodembskaya

Characterization of Mesenchymal Cell from BAL of post COVID-19 patient with fibrosis

Matteo Della Zoppa (Pavia, Italy), Maria Antonietta Avanzini, Sara Bozzini, Stefania Croce, Cecilia Bagnera, Chiara Valsecchi, Laura Pandolfi, Elisa Lenta, Sara Lettieri, Valentina Vertui, Laura Saracino, Federica Meloni

Mitochondrial dysfunction features in lung resident mesenchymal stem cells from patients with Idiopathic Pulmonary Fibrosis

Aina Martín Medina (Palma, Spain), Joan Truyols-Vives, Linda Elowson, Andreas Jahn, Carlos Rio, Amanda Iglesias, Ana Montes, Julio Velasco, Maria Molina-Molina, Gunilla Westergren-Thorsson, Josep Mercader-Barceló, Ernest Sala-Llinas

LSC - 2022 - Biomarker identification to assess effects of bone-marrow derived mesenchymal stromal cell-therapy in emphysema through immune profiling

Padmini P. S. J. Khedoe (Den Haag, Netherlands), Li Jia, Na Li, Pieter S. Hiemstra, Frits Koning, Jan Stolk

Mesenchymal Stem Cells derived Biospheres (BS) as potential therapeutic agent in lung disease like Idiopathic Pulmonary Fibrosis (IPF)

Andreas Jahn (Palma De Mallorca, Spain), Carlos Rio, Aina Martín-Medina, Amanda Iglesias, Javier Pierola, Orokia Clara Traore Diaby, Ernest Sala Llinas

Combined Cell Therapy and Anticoagulants as a treatment for an in vivo model of Acute Lung Injury

Marta Camprubí-Rimblas (Molins de Rei, Spain), Aina Areny-Balagueró, Elena Campaña-Duel, Luis Morales-Quinteros, Adrian Ceccato, Lluís Blanch, Antonio Artigas

Late Breaking Abstract - Human induced pluripotent stem cell-derived alveolar type 2 cells mature at air-liquid interface and respond to airborne stimuli

Kristine Abo (Cambridge, United States), Andrew Wilson

Discussion**8M Session 09:45 - 11:00****Mini symposium: Diagnosis and management of pneumonitis in lung cancer systemic therapy
Immune-related and targeted therapy toxicities****Aims :** to provide an overview of the incidence and specific patterns of lung toxicity associated with immune-checkpoint inhibitors, molecular targeted agents and radiation used for lung cancer therapy; to cover a general discussion of the clinical presentation, pathogenesis, diagnosis, differential diagnosis and treatment of pulmonary toxicity associated with the use of antineoplastic agents; to provide a review of potential biomarkers that could guide our clinical reasoning in immune-related toxicities.**Disease(s) :** Thoracic oncology**Method(s) :** General respiratory patient care**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Pathologist, Physician in Pulmonary Training, Radiologist, Thoracic oncologist**Chairs :** Joanna Chorostowska-Wynimko (Warsaw, Poland), Maria Joana Pereira Catarata (Porto, Portugal)**09:45 Immune-checkpoint inhibitors: diagnosis and management of pneumonitis in lung cancer patients**
Jacques Cadranel (Paris Cedex 20, France)**10:00 Pulmonary toxicity associated with antineoplastic therapy: Molecular targeted agents**
Maria Gabriela Oliveira Fernandes (Matosinhos, Portugal)**10:15 Pneumonitis and radiotherapy: diagnosis and management**
Katherina Bernadette Sreter (Zagreb, Croatia)**10:30 Discussion and Q&A****8F Session 09:45 - 11:00****Mini symposium: State-of-the-art in the home mechanical ventilation****Aims :** to state main components orienting new developments in the field of home mechanical ventilation (including hypoxia, hypercapnia, secondary symptoms such as weak cough and stagnation of airway secretion leading to diminished health related quality of life (HRQL) and increased risk of pneumonia).**Disease(s) :** Sleep and breathing disorders**Method(s) :** Epidemiology General respiratory patient care Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Patient, Physician in Pulmonary Training, Respiratory physiotherapist, Respiratory therapist

Chairs : Jellien Makonga-Braaksma (Woudenberg, Netherlands), Peter J. Wijkstra (Groningen, Netherlands)

09:45 **Chronic respiratory failure in neuromuscular disorders: diagnosis and treatment**
Barbara Garabelli (Romentino (NO), Italy)

10:00 **Airway clearance and cough augmentation strategies**
Tiina Andersen (Bergen, Norway)

10:15 **Homecare, follow-up and outcomes of the treatment**
Jean-Paul Janssens (Genève, Switzerland)

10:30 **Discussion and Q&A**

10:30-11:15

INDUSTRY SKILLS LAB WORKSHOP

SEE PAGE 1

8D

Session

10:40 - 13:00

Skills workshop: SW8 Thoracic ultrasound

Aims : To describe the current use of thoracic ultrasound and to provide participants with the opportunity to perform this technique using training models, simulators, volunteers and patients.

Disease(s) : Thoracic oncology Interstitial lung diseases

Tag(s) : Clinical

Chairs : Najib M. Rahman (Oxford, United Kingdom)

10:40 **The normal thoracic cavity**
Rachelle Ascjak (SIGGIEWI, Malta), Beenish Iqbal (London, United Kingdom)

11:10 **Pleural effusion and/or pleural thickening**
Giovanni Volpicelli (Torino (TO), Italy), Morten Bendixen (Skejby, Denmark)

11:40 **Case studies**
Poppy Denniston (London, United Kingdom), Eleanor Barton (Bristol, United Kingdom)

12:10 **Lymph node biopsy using models**
Pia Iben Pietersen (Odense NØ, Denmark), Rachel Mercer (Winchester, United Kingdom)

8A (live-streamed)

Session

11:15 - 12:45

Symposium: The many faces of central sleep apnoea and hypoventilation syndromes

Aims : to discuss the phenotypes of central sleep apnoea and the impact of biomarkers on outcomes, new pathophysiological insights and consecutive therapeutic options for obesity hypoventilation, the strengths and limitations of positive airway pressure during the lifetime and the relevance of concomitant pulmonary disease with not only obstructive, but also central, sleep apnoea.

Disease(s) : Airway diseases Respiratory critical care Sleep and breathing disorders

Method(s) : General respiratory patient care Public health Respiratory intensive care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Physician in Pulmonary Training, Scientist (basic, translational)

Chairs : Sophia E. Schiza (Heraklion, Greece), Winfried J. Randerath (Solingen, Germany)

11:15 **Phenotyping and prognostic markers of central sleep apnoea: is treatment of central sleep apnoea necessary?**
Winfried J. Randerath (Solingen, Germany)

11:30 **Opioid-induced central sleep apnoea: exceptional or epidemic ?**
Shahrokh Javaheri (Cincinnati, United States)

11:45 **New perspectives in obesity hypoventilation: from pathophysiology to treatment**
Jean-Louis Pépin (Grenoble, France)

12:00 **Continuous positive airway pressure and non-invasive ventilation in hypoventilation syndromes from childhood to adulthood**
Marieke L. Duiverman (Groningen, Netherlands)

12:15 Discussion and Q&A

8G (live-streamed) Session 11:15 - 12:45**Symposium: Management of complicated sarcoidosis****Management decisions and dealing with complications**

Aims : to discuss new insights into the management of complicated sarcoidosis; to discuss the diagnosis and treatment of fibrotic sarcoidosis, one of the most challenging and unmet needs, in depth; to explore the latest insights into the management of complications and co-morbid conditions such as pulmonary hypertension and infections (mainly fungal); to discuss other important extrapulmonary organ involvements such as those of the heart and brain, which frequently confront pulmonologists.

Disease(s) : Interstitial lung diseases Pulmonary vascular diseases Respiratory infections

Method(s) : General respiratory patient care Respiratory intensive care Transplantation

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Patient

Chairs : Carlos Robalo Cordeiro (Coimbra, Portugal), Federica Meloni (Pavia (PV), Italy)

11:15 Patient' s testimony
Barbara Bandirali (, Italy)

11:20 Management of fibrotic sarcoidosis
Vivienne Kahlmann (Rotterdam, Netherlands)

11:35 Management of pulmonary hypertension in sarcoidosis
Laura Price (London, United Kingdom)

11:50 Infections as drivers of sarcoidosis
Marcel Veltkamp (De Meern, Netherlands)

12:05 Complex extrapulmonary sarcoidosis: the heart, brain and more
Paolo Spagnolo (Padova (PD), Italy)

12:20 Discussion and Q&A

8N Session 11:15 - 12:30**Oral presentation: Development of the International Curriculum for Respiratory Nurses: perspectives and needs**

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Public health

Chairs : Georgia Narsavage (PUNTA GORDA, United States), Carme Hernandez Carcereny (Barcelona, Spain)

Development of an international curriculum for respiratory nurses (ICRN): A global needs survey

Georgia Narsavage (PUNTA GORDA, United States), Andreja Šajnić, Carol Kelly, Sheree Smith, Nicola Roberts, Karen Heslop-Marshall, Malin Axelsson, Miguel Padilha, Carme Hernández, Bridget Murray, Betty Poot

Steps in the development of an international curriculum for respiratory nurses (ICRN): A Delphi Process plan to standardise levels of respiratory nursing education

Andreja Sajnic (Zagreb, Croatia), Georgia Narsavage, Carol Kelly, Karen Heslop-Marshall, José Miguel Padilha, Bridget Murray, Malin Axelsson, Carme Hernández, Betty Poot, Nicola Roberts, Helle Marie Christensen, Marco Clari, Sheree Smith

The International Coalition of Respiratory Nurses (IRCN): development of a curriculum towards advanced nursing education and improvements in care.

Karen Heslop-Marshall (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Joanne King, Iain Wheatley, Maria Parsonage, Sarah Kearney, Alison Hughes

INTERNATIONAL CURRICULUM FOR NURSES WORKING WITH RESPIRATORY PATIENTS - WHY DO WE NEED IT? A PORTUGUESE PERSPECTIVE

José Miguel Dos Santos Castro Padilha (Porto, Portugal), Rui Pedro Silva, Fernando Macedo, Luís Gaspar, Belmiro Rocha

Developing an International Curriculum for respiratory nurses and the need for a curriculum in Turkey

Merve Kıymaç Sarı (Şişli, Turkey), Rağsan Çevik Akyıl, Gamze Oğuz, Zehra Durna

An International Curriculum for Respiratory Nurses (ICRN): Supporting standardized respiratory nursing education in Croatia

Andreja Sajnic (Zagreb, Croatia), Georgia Narsavage, Sandra Karabatic, Tanja Zovko, Irena Godic, Aleksandra Trupkovic, Tihana Odobasic Palkovic, Maja Majeric, Azra Hodzic, Ivana Lalic Cickovic, Romana Palić, Nikolina Dodlek, Jasminka Milicevic, Mario Gazic, Ana Ljubas, Marko Jakopović

Nurses specialized through higher education in asthma, allergy and COPD. Experiences from a Swedish perspective - A winning concept for the clinic

Caroline Stridsman (Luleå, Sweden), Ann-Britt Zakrisson, Therese Sterner

An exploration of the experiences of respiratory clinical nurse specialists (CNS) and advance nurse practitioners (ANP) in Irish healthcare settings

Bridget Murray (DUBLIN, Ireland)

How confident are nursing students about their respiratory knowledge and assessment skills?

Nicola J. Roberts (Edinburgh, United Kingdom), Maria Renwick, Lindsay Welch, Kate Lippiett, Carol Kelly

Discussion

8M

Session

11:15 - 12:30

Oral presentation: Innovation in thoracic surgery

Disease(s) : Thoracic oncology Airway diseases Respiratory critical care

Method(s) : Pulmonary function testing Surgery Physiology Respiratory intensive care Epidemiology General respiratory patient care Public health Endoscopy and interventional pulmonology

Chairs : Marcello Migliore (Catania (CT), Italy)

The risk of postoperative pulmonary complications in lung resection candidates with normal values of FEV1 and DLCO – a subgroup analysis from a prospective multicenter study.

Kristian Brat (Brno, Czech Republic), Ivan Cundrle Jr, Michal Svoboda, Monika Bratova, Ladislav Mitas, Zdenek Merta, Andrej Mazur, Pavel Homolka, Zdenek Chovanec, Lyle J. Olson

Prognostic significance of N1 nodal metastasis patterns in surgically treated patients with pT1-2 non-small cell lung cancer

Güntüç Batıhan (Izmir, Turkey), Kenan Can Ceylan, Ahmet Üçvet, Seyda Örs Kaya, Serkan Yazgan

Analysis of Flow and Pressure with an in-vitro model of a lung while a drainage system delivers a varying suction pressure

Frans H.C. De Jongh (Enschede, Netherlands), Rejiar Asad, Pacal Steenvoorde, Ron Speekenbrink, Kees Venner, Michiel Wagenaar

Extended Pleurectomy/Decortication in Malignant Pleural Mesothelioma: preceding or following chemotherapy? Perioperative data and short-term outcomes of a single Institution

Giulia Maria Stella (Pavia (PV), Italy), Francesco Falanga, Chandra Bortolotto, Olga Oneta, Francesco Agustoni, Patrizia Morbini, Laura Saracino, Stefano Tomaselli, Pietro Rinaldi, Cristiano Primiceri

Electromagnetic navigation bronchoscopy localization of small lung nodules previous to thoracoscopic resection

Alessio Vincenzo Mariolo (Paris, France), Guillaume Boddaert, Emmanuel Brian, Madalina Grigoriou, Dominique Gossot, Agathe Seguin-Givelet

Comparison of survival after extrapleural pneumonectomy versus pleurectomy/decortication for malignant pleural mesothelioma in the era of macroscopic complete resection: A meta-analysis

Kalliopi Athanassiadi (Athens, Greece), Dimitrios Magouliotis, Anna Karamolegkou, Prokopis-Andreas Zotos, Evangelos Tatsios, Kyriakos Spiliopoulos, Thanos Athanasios

Influence of the Surgeons' Seniority in the Quality of Life of Patients with Prolonged Air Leaks (PAL) after Lobectomy for Lung Cancer

Luca Bertolaccini (Milan, Italy), Oriana Ciani, Elena Prisciandaro, Marco Lucchi, Francesco Zaraca, Roberto Crisci, Rosanna Tarricone, Lorenzo Spaggiari

Local experience of surgical management of tracheal stenosis

Joana Borges (Coimbra, Portugal), Luis Graça, Sara Cunha, António Jorge Ferreira, João José Bernardo

Evaluation of prognostic factors for patients who underwent pneumonectomy for non-small cell lung cancer

Güntüç Batıhan (Izmir, Turkey), Kenan Can Ceylan, Seyda Örs Kaya

Discussion

8F

Session

11:15 - 12:30

Oral presentation: Lung function and risk factors associated with obstructive lung diseases**Disease(s)** : Airway diseases Interstitial lung diseases Respiratory critical care**Method(s)** : Epidemiology Physiology Pulmonary function testing Public health Respiratory intensive care**Chairs** : Om Prakash Kurmi (Coventry, United Kingdom), Joan B Soriano (Madrid, Spain)**Lung function trajectories based on annual measurements for 10 years in adults with airway obstruction**

Helena Backman (Lulea, Sweden), Anders Blomberg, Anders Lundquist, Viktor Strandkvist, Sami Sawalha, Ulf Nilsson, Caroline Stridsman, Linnea Hedman, Eva Rönmark, Anne Lindberg

Multi-ancestry genetic risk score for lung function from meta-analysis of genome-wide association studies in 580,869 individuals from five ancestry groups

Nick Shrine (Leicester, United Kingdom), Abril Izqueirido, Jing Chen, Anna L Guyatt, Richard Packer, Chiara Batini, Alfred Pozarickij, Robin G Walters, Stephanie London, Andrew P Morris, Louise V Wain, Ian P Hall, Martin D Tobin

Prevalence and risk factors for small airways obstruction: Results from the Burden of Obstructive Lung Disease (BOLD) study.

Ben Knox-Brown (NEWMARKET, United Kingdom), Jaymini Patel, Peter Burney, Andre Amaral

Race-adjusted lung function increases inequities in diagnosis and prognosis and should be abandoned

Magnus Ekström (Lund, Sweden), David Mannino

Plasma IgE and risk of exacerbation and mortality in COPD in the general population

Yunus Çolak (Herlev, Denmark), Truls S. Ingebrigtsen, Børge G. Nordestgaard, Jacob L. Marott, Peter Lange, Jørgen Vestbo, Shoaib Afzal

Frequency and severity of respiratory infections prior to COPD diagnosis and risk of subsequent post-diagnosis COPD exacerbations and mortality: a UK routine health care data study

Hannah Whittaker (London, United Kingdom), Clementine Nordon, Annalisa Rubino, Tamsin Morris, Yang Xu, Enrico De Nigris, Hana Müllerová, Jennifer Quint

COVID-19 real-world data (RWD) insights regarding exacerbations and serum Eosinophil levels in Asthma and Chronic Obstructive Pulmonary Disease (COPD).

Michael Cushion (Biggleswade, United Kingdom)

Lung development genes, adult lung function and cardiovascular comorbidities

Mohammad Talaei Pashiri (London, United Kingdom), Laura Portas, Nay Aung, Matthew Hind, Charlotte Dean, Cosetta Minelli, Seif O. Shaheen

Factors associated with specific causes of death in a primary care COPD population in England

Hannah Whittaker (London, United Kingdom), Kieran Rothnie, Jennifer Quint

Late Breaking Abstract - Beyond direct costs: Individual and societal burden of asthma in young adults

Kjell Erik Julius Håkansson (København N, Denmark), Anders Løkke, Rikke Ibsen, Ole Hilberg, Vibeke Backer, Charlotte Suppli Ulrik

Discussion

8L

Session

11:15 - 12:30

Oral presentation: Bronchiectasis**Disease(s)** : Airway diseases Respiratory critical care**Method(s)** : Epidemiology Public health Cell and molecular biology General respiratory patient care Physiology Respiratory intensive care Imaging**Chairs** : Michael Loebinger (London, United Kingdom), Pieter Goeminne (Bornem, Belgium)**The antimicrobial resistome in bronchiectasis: an international multicentre study**

Micheál Mac Aogáin (Dublin, Ireland), Fransiskus Xaverius Ivan, Tavleen Jaggi, Holly R. Keir, Alison J. Dicker, Albert Lim Yick Hou, Mau Ern Poh, Mariko Siyue Koh, Ong Thun How, Augustine Tee, Teck Boon Low, John Arputhan Abisheganaden, Francesco Blasi, Stefano Aliberti, James D. Chalmers, Sanjay H. Chotirmall

The role of the NLRP3 inflammasome in mucociliary clearance in bronchiectasis: The EMBARC-BRIDGE study

Lidia Perea Soriano (Barcelona, Spain), Mathieu Bottier, Erin Cant, Hollian Richardson, Alison J Dicker, Morven Shuttleworth, Holly R Keir, Yan Hui Giam, Simon Finch, Jeffrey T J Huang, Michal Shteinberg, Pieter C Goeminne, Eva Polverino, Josje Altenburg, Francesco Blasi, Tobias Welte, Stefano Aliberti, Oriol Sibila, James D Chalmers, Amelia Shoemark

Characteristics of frequent exacerbators in the US Bronchiectasis and NTM Research Registry (BRR)

Nicole Lapinel (New Orleans, United States), Radmila Choate, Timothy Aksamit, Joseph Feliciano, Kevin Winthrop, Andreas Schmid, Jasmanda Wu, Mariam Hassan, Sebastian Fucile, Mark Metersky

Neisseria species as pathobionts in bronchiectasis.

Micheál Mac Aogáin (Dublin, Ireland), Liang Li, Tengfei Xu, Tavleen Jaggi, Louisa L Y Chan, Jing Qu, Lan Wei, Shumin Liao, Hong Sheng Cheng, Holly R Keir, Alison J Dicker, Kai Sen Tan, Wang De Yun, Mariko Siyue Koh, Ong Thun How, Albert Lim Yick Hou, John Arputhan Abisheganaden, Teck Boon Low, Tidi Maharani Hassan, Xiang Long, Peter A.B. Wark, Brian G. Oliver, Daniela I Drautz-Moses, Stephan C. Schuster, Nguan Soon Tan, Mingliang Fang, James D Chalmers, Sanjay H. Chotirmall

Genome sequencing reveals underdiagnosis of primary ciliary dyskinesia in bronchiectasis

Amelia Shoemark (Dundee (Angus), United Kingdom), Helen Griffin, Gabrielle Wheway, Claire Hogg, Jane S Lucas, Carme Camps, Jenny Taylor, Mary Carroll, Micheal R Loebinger, James D Chalmers, Deborah Morris-Rosendahl, Hannah M Mitchison, Anthony De Soya

Implementing tablet-based ototoxicity screening in adult respiratory patients

Jamie Cheong (London, United Kingdom), Shereen Boreland, Barbara Belkarty, Andrew Jones, Imogen Felton, Emem-Fong Ukor, Janet Stowell, Ricardo Jose, Susan Madge, Julie Wilkins, Emily Frost, Presanna Premachandra, Michael Loebinger, Francis Drobniowski, Nicholas Simmonds, Anand Shah

Dysregulation of the microbial 'gut-lung' axis in bronchiectasis

Jayanth Kumar Narayana (Singapore, Singapore), Stefano Aliberti, Micheál Mac Aogáin, Tavleen Kaur Jaggi, Nur A'Tikah Binte Mohamed Ali, Ivan Fransiskus Xaverius, Francesco Amati, Andrea Gramagna, Krasimira Tsaneva-Atanasova, Francesco Blasi, Sanjay H. Chotirmall

Longitudinal analysis of bronchiectasis exacerbations (BEx) in patients from the US Bronchiectasis and NTM Research Registry (BRR)

Timothy Aksamit (Rochester, United States), Nicole Lapinel, Radmila Choate, Joseph Feliciano, Kevin Winthrop, Andreas Schmid, Jasmanda Wu, Mariam Hassan, Sebastian Fucile, Mark Metersky

The ROSE criteria for coexistent COPD-bronchiectasis: association with future exacerbations and death

Wojciech Dolliver (BROOKLINE, United States), Wei Wang, Jose Orejas, Diego Maselli, Andrew Yen, Kendra Young, Gregory Kinney, Michael Cho, Raul San José Estépar, Alejandro Diaz

Late Breaking Abstract - Bronchiectasis in AATD: initial report of EARCO

Robert Andrew Stockley (Birmingham (West Midlands), United Kingdom), Anita Pye, Alice Turner

Discussion**8B (live-streamed)****Session****11:15 - 12:45****Clinical cases: Clinical challenges beyond guidelines**

Aims : to describe the controversial aspects of the current guidelines for the management of adults with COVID-19 in the intensive care unit, clinical standards for tuberculosis infection, optimal follow-up after acute pulmonary embolism and imaging of pulmonary embolism in pregnancy; to discuss data underpinning nonadherence and alternative approaches to current recommendations; to propose evidence-based substitute management recommendations for clinicians; to identify areas of concern; to highlight the need for further research.

Disease(s) : Respiratory critical care Respiratory infections Pulmonary vascular diseases

Method(s) : General respiratory patient care Respiratory intensive care Imaging

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Respiratory critical care physician, General practitioner, Medical Student, Radiologist, Physician in Pulmonary Training, Clinical researcher

Chairs : Olivier Sitbon (Le Kremlin-Bicêtre, France), Kristin Walter (Chicago, United States)

11:15 Management of adults with COVID-19 in the intensive care unit
Christian Karagiannidis (Cologne, Germany)

11:30 Discussion and Q&A

11:37 Clinical standards for tuberculosis infection
Marc Lipman (London, United Kingdom)

11:52 Discussion and Q&A

11:59 Optimal follow-up after acute pulmonary embolism
Olivier Sanchez (Paris, France)

12:14 Discussion and Q&A

12:21 Guidelines for imaging of pulmonary embolism in pregnancy
David Jiménez Castro (Madrid, Spain)

12:36 Discussion and Q&A

Studio Session 11:15 - 11:45

Guidelines session: ERS clinical practice guidelines for the diagnosis of asthma in adults

Disease(s) : Airway diseases

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, General practitioner, Medical Student, Physician in Pulmonary Training, Clinical researcher

Chairs : Andrew Bush (London, United Kingdom)

11:15 Discussion and Q&A
Omar S. Usmani (London, United Kingdom), Renaud Louis (Liège, Belgium)

8H (live-streamed) Session 11:15 - 12:45

Primary care session: Forgotten issues in chronic obstructive pulmonary disease: a primary care perspective

Aims : to increase the knowledge and motivation of healthcare professionals in relation to issues and interventions besides pharmacological treatment from a primary care perspective.; to discuss best approaches of assessment and treatment of mental disorders that are common in patients with COPD; to raise awareness on a need of rehabilitation programmes that currently are very scarce and inaccessible for many COPD patients, especially in low resource settings where telerehabilitation approaches may be unreliable, and remote options need to be realistic; to discuss the effect of COPD on sexual satisfaction that is often underappreciated in clinical practice, and improved information and communication regarding sexual health is needed; to start a discussion on early integrated palliative care for COPD patients that should be developed in primary care.

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Palliative care Pulmonary rehabilitation

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, General practitioner, Medical Student, Nurse, Patient, Respiratory physiotherapist

Chairs : Thierry Troosters (Leuven, Belgium), Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom)

11:15 COPD and mental health
Ioanna Tsiligianni (Heraklion (Crete), Greece)

11:30 Home-based pulmonary rehabilitation in a digital world: an alternative for low-to-middle income countries?
G M Monsur Habib (Khulna, Bangladesh)

11:45 COPD and sexual health
Andreia Rodrigues Silva (Vila do Conde, Portugal)

12:00 A palliative approach to COPD
Miriam Johnson (Hull (North Humberside), United Kingdom)

12:15 Discussion and Q&A

8C (live-streamed) Session 11:15 - 12:45

State of the art session: Paediatric respiratory diseases

Aims : to provide clinicians with practical take-home messages regarding the key management and health policy issues related to the respiratory health of children and young people; to provide an update on four important topics in paediatric respiratory medicine.

Disease(s) : Paediatric respiratory diseases Respiratory infections Sleep and breathing disorders

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Paediatrician, Patient, Physician in Pulmonary Training

Chairs : Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Alexander Möller (Zürich, Switzerland), Cristina Ardura-Garcia (Bern, Switzerland)

11:15	Patient's testimony Speaker to be confirmed
11:20	Diagnosis and management of respiratory infections in children and young adults with neurological impairment Marijke Proesmans (Leuven, Belgium)
11:35	Paediatric long-term noninvasive ventilation Brigitte Fauroux (Paris, France)
11:50	Paediatric interventional bronchoscopy Dirk Schramm (Düsseldorf, Germany)
12:05	Respiratory function monitoring in neonatal and paediatric intensive care units David Tingay (Melbourne (VIC), Australia)
12:20	Discussion and Q&A

8F Session 12:45 - 14:00

Oral presentation: Sarcoidosis: from disease pathogenesis to prediction of disease behaviour

Disease(s) : [Interstitial lung diseases](#)

Method(s) : General respiratory patient care Imaging Epidemiology Cell and molecular biology Endoscopy and interventional pulmonology Physiology Public health

Chairs : Karen Moor (Rotterdam, Netherlands), Natalia V. Rivera (Stockholm, Sweden)

Imbalance between Th17 and Tregs in the EBUS/TBNA lymph nodes in patients with pulmonary sarcoidosis.

Agata Raniszewska (Warszawa, Poland), Elzbieta Rutkowska, Iwona Kwiecien, Joanna Bednarek, Rafal Sokolowski, Karina Jahnz-Rozyk, Piotr Rzepecki

Bronchoscopy in sarcoidosis – EBUS-TBNA, transbronchial biopsy or cryobiopsy?

Charlott Terschluse (Freiburg, Germany), Martin Feineis, Wolfram Meschede, Thomas Köhler, Daniel Soriano, Sebastian Fährndrich, Joachim Müller-Quernehim, Daiana Stolz, Bjoern Frye

Risk factor of pulmonary embolism in sarcoidosis patients: a pilot study

Barbara Ruaro (Trieste, Italy), Paola Confalonieri, Chiara Torregiani, Silvia Pichierri, Marco Confalonieri, Francesco Salton

Changes in forced vital capacity over time in pulmonary fibrosing sarcoidosis: application of group-based trajectory modelling

Florence Jeny (bobigny, France), Marina Cumin, Philippe Khafagy, Pierre-Yves Brillet, Diane Bouvry, Thomas Gille, Nanthara Sritharan, Marouane Boubaya, Dominique Valeyre, Hilario Nunes

Strain echocardiography for the prognostic estimation of patients with sarcoidosis

Paolo Cameli (Siena (SI), Italy), Maria Concetta Pastore, Giulia Elena Mandoli, Mariangela Vigna, Giuseppe De Carli, Laura Bergantini, Miriana D'Alessandro, Nicolò Ghionzoli, Elena Bargagli, Matteo Cameli

Effect of hydroxychloroquine in cutaneous sarcoidosis or musculoskeletal-related pain

Britney Vermeer (Nieuwegein, Netherlands), Marcel Veltkamp, Adriane D.M. Vorselaars

Online mindfulness-based cognitive therapy reduces anxiety and depression in patients with sarcoidosis

Vivienne Kahlmann (Rotterdam, Netherlands), Catharina C Moor, Sanne J Van Helmond, Rémy L Mostard, Marije L Van Der Lee, Jan C Grutters, Marlies S Wijsenbeek, Marcel Veltkamp

Chronic hypersensitivity pneumonitis - how to predict the treatment success?

Katarzyna B. Lewandowska (Warszawa, Poland), Inga Baranska, Malgorzata Sobiecka, Piotr Radwan-Rohrenscheff, Malgorzata Dybowska, Monika Franczuk, Adriana Rozy, Agnieszka Skoczylas, Iwona Bestry, Jan Kus, Witold Tomkowski, Monika Szturmowicz

Home environmental fungal exposure in patients with Hypersensitivity Pneumonitis – pilot analysis

David Jorge Araújo Barros Coelho (Braga, Portugal), Joao Cavaleiro Rufo, Rita F Santos, Natalia Melo, Patricia Caetano Mota, Andre Terras Alexandre, Helder Novais Bastos, Antonio Morais

Discussion

8L Session 12:45 - 14:00

Oral presentation: What's new in COVID

Disease(s) : Airway diseases Interstitial lung diseases**Method(s) :** General respiratory patient care Respiratory intensive care Public health Epidemiology Pulmonary function testing
Cell and molecular biology Imaging Physiology**Chairs :** Eva Van Braeckel (Ghent, Belgium)**Airway remodeling in COVID-19 lungs**

Vincent Geudens (Leuven, Belgium), Jan Van Slambrouck, Gitte Aerts, Lynn Willems, Tinne Goos, Janne Kaes, Iwein Gyselinck, Celine Aelbrecht, Astrid Vermaut, Hanne Beeckmans, Marie Vermant, Charlotte De Fays, Annelore Sacreas, Lucia Aversa, Kenneth Verstraete, Michaela Orlitová, Arno Vanstapel, John E. McDonough, Charles Pilette, Wim Janssens, Wim A. Wuyts, Geert M. Verleden, Dirk E. Van Raemdonck, Robin Vos, Ghislaine Gayan-Ramirez, Laurens J. Ceulemans, Bart M. Vanaudenaerde

Airway microbiota profiles associated with total lung capacity after severe COVID-19

Sabine Stadler (Lausanne, Switzerland), Eric Bernasconi, Niki Ubags, Louis Mercier, Berra Erkosar, Manuela Funke-Chambour, Christophe Von Garnier

Vitamin D to prevent COVID-19 or other acute respiratory infections: phase 3 randomised controlled trial (CORONAVIT)

Adrian R Martineau (London, United Kingdom), David A Jolliffe, Hayley Holt, Mohammad Talaci, Aziz Sheikh, Christopher J Griffiths, Seif O Shaheen, Clare Relton

Faster clinical recovery with ensivibep compared to placebo in patients with mild-to-moderate COVID-19: interim results from the EMPATHY Phase 2 trial

Andreas Tietz (Basel, Switzerland), Richa Chandra, Luis Abrishamian, Marc Bonten, Pierre Fustier, Kinfemichael Gedif, Susana Goncalves, Awawu Igbinador, Jeff Kingsley, Charles Knutson, Nagalingeswaran Kumarasamy, Philippe Legenne, Martha Mekebeb-Reuter, Krishnan Ramanathan, Evgeniya Reshetnyak, Jennifer Rosa, Marianne Soergel, Damodaran Solai Elango, Vaia Stavropoulou, Nina Stojcheva, Michael Stump

Major candidate variables to guide personalized treatment with corticosteroids in critically ill patients with COVID-19: CIBERESUCICOVID study

Ana Motos Galera (Barcelona, Spain), Catia Cillóniz, Adrian Ceccato, Laia Fernández-Barat, Antoni Torres

Longitudinal profiling of the peripheral blood transcriptome identifies risk of Major Cardiac Events after Hospitalization for COVID-19

Chloe Hughes (Dundee, United Kingdom), Merete, B Long, Holly, R Keir, Yan Hui Giam, Thomas Pembridge, Lilia Delgado, Hani Abo Leyah, Rebecca Hull, Amy Gilmour, Diane Cassidy, Hollian Richardson, Amelia Shoemark, Faisal Khan, James, D Chalmers

THE IMPACT OF BIOLOGICAL AGEING ON CLINICAL SEVERITY IN HOSPITALIZED COVID-19 PATIENTS.

Elien De Waele (Sint-Niklaas, Belgium), Dries Martens, Stijn Vos, Esmée Bijmens, Geert Mistiaen, Geert Dewyspelaere, Tim Nawrot, Pieter Goeminne

Characteristics and risk factors for persistent breathlessness after hospitalisation for COVID-19

Luke Daines (Edinburgh (Edinburgh), United Kingdom), Bang Zheng, Omer Elneima, John R Hurst, Jeremy Brown, Elizabeth Sapey, James D Chalmers, Jennifer K Quint, Paul Pfeffer, Salman Siddiqui, Samantha Walker, Krishnah Poinasamy, Louise V Wain, Christopher E Brightling, Rachael A Evans, Liam G Heaney, Anthony De Soyza, Aziz Sheikh

The role of surfactant lipid composition in the aftermath of covid-19 infection among patients treated in intensive care

Alexander Holm (Gothenburg, Sweden), Sanna Kjellberg, Bengt Nellgård, Ketil Dalla, Per Larsson, Anna-Carin Olin

Late Breaking Abstract - Real-world effectiveness of sotrovimab for the early treatment of COVID-19 in the US

Mindy Cheng (Alamo, United States), Daniel Gibbons, Helen Birch, Vishal Patel, Christopher Bell, Myriam Drysdale, Sacha Satram, Carolina Reyes

Discussion

8N

Session

12:45 - 14:00

Oral presentation: Lung or long COVID: emerging insights into COVID-19 mechanisms**Disease(s) :** Airway diseases Interstitial lung diseases**Method(s) :** Cell and molecular biology Imaging Public health General respiratory patient care Respiratory intensive care**Chairs :** Gwenda Vasse (Groningen, Netherlands), Chair to be confirmed**Blood monocyte subsets to characterize and differentiate active SARS-CoV-2 infection from convalescent patients**

Elżbieta Rutkowska (Warsaw, Poland), Iwona Kwiecień, Agata Raniszewska, Piotr Rzepecki, Krzysztof Kłós, Andrzej Chciałowski

LSC - 2022 - Alveolar macrophages from people with severe eosinophilic asthma show differential antiviral response to human rhinovirus 16 and SARS-CoV-2.

Andrew Hearn (London, United Kingdom), Paniz Khooshemehri, Varsha Kanabar-Raivadera, Kate Poulton, Rocio Martinez Nunez, David Jackson

Increased CD14+ monocytes and OPN+ positive airway macrophages in the BAL are associated with Post-COVID-19 induced altered respiratory function.

Eliza Tsitoura (Heraklion (Crete), Greece), Eirini Lambiri, Semeli Mastrodemou, Dimitra Maria Zevla, Eleni Bibaki, Nikolta Bizymi, Nikos Tzanakis, Katerina Antoniou

The role of reactive nitrogen species as biomarkers of disease severity in COVID-19

Nur Konyalilar (İstanbul, Turkey), Özgecan Kayalar, Deniz Mortazavi, Hadi Rajabi, Seval Korkunç, Sinem Erkan, Tuş Ksoy, Mehmet Gökhan Gönenli, Fatma Tokgöz Akyıl, Sedat Altın, Hasan Bayram

Covid-19 and NETs

Salvador Bello Drona (Zaragoza, Spain), Pablo Ruiz De Gopegui, Lucia López Vergara, Laura Torralba Garcia, Cristina De Diego Ramos, Claudia Abadía Molina, Raquel Lahoz Alonso, Ana Lasiera Monclus, Alberto Cebollada Solanas, Javier Godino, Beatriz Jimeno Beltran

To estimate oxidative stress and DNA damage in post-COVID patients.

Nandini Dikshit (Lucknow, India), Surya Kant, Ajay Kumar Verma, Kausar Mahmood Ansari, Jyoti Bajpai, Chamanpreet Kaur, Ishrat Jahan

COVID-19 neutrophils show elevated migration and NETosis, which is reduced by PI3K inhibition

Shaun Thein (Birmingham (West Midlands), United Kingdom), Kylie Belchamber, Jon Hazeldine, Frances Grudzinska, Michael Hughes, Alice Jasper, Kay Por Yip, Louise Crowley, Sebastian Lugg, Elizabeth Sapey, Dhruv Parekh, David Thickett, Aaron Scott

Insights into the lung microenvironment after severe COVID-19

Valentina Vaira (Milan, Italy), Alessandra Maria Storaci, Mattia Pitasi, Francesco Gentile, Francesco Blasi, Letizia Corinna Morlacchi, Antonio Pesenti, Giacomo Grasselli, Paola Tagliabue, Mario S. Clerici, Francesco Malvestiti, Luca Valenti, Stefano Aliberti, Roberta Gualtierotti, Stefano Ferrero, Mario Nosotti, Alessandra Bandera, Andrea Gori, Flora Peyvandi, Silvano Bosari, Alessandro Palleschi

Molecular signatures of SARS-CoV2 in vitro infection of bronchial epithelium from CF, COPD and healthy subjects

Loic Guillot (Paris, France), Justine Oliva, Manon Ruffin, Claire Calmel, Harriet Corvol, Olivier Terrier

Late Breaking Abstract - mRNA vaccine boosts the SARS-CoV-2 specific mucosal antibody in recipients of inactivated and mRNA vaccines

Shaojun Liu (HONG KONG, China), Kathy Yy Chan, Yuanyuan Wei, Renee Wy Chan

Discussion

Studio

Session

12:45 - 14:00

Online skills lab: Oscillometry and spirometry**Aims :** to demonstrate the measurement of lung function with simple (handheld) and/or professional spirometers, including how to prepare the equipment and perform an optimal test; to demonstrate forced oscillometry measurements and to highlight techniques that ensure accuracy; to discuss the interpretation of results, the clinical relevance of measurements and the advantages/disadvantages of the two techniques. All this will be achieved with live demonstrations, case studies of adults and children and interactive questions/discussion.**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Physician in Pulmonary Training, Respiratory physiotherapist, Physiologist, Nurse, Respiratory therapist, Medical Technical Assistant**Chairs :** Omar S. Usmani (London, United Kingdom), Frans H.C. De Jongh (Enschede, Netherlands), Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom)**12:45 Introduction**

Omar S. Usmani (London, United Kingdom), Frans H.C. De Jongh (Enschede, Netherlands)

12:50 Spirometry procedure

Frans H.C. De Jongh (Enschede, Netherlands), Omar S. Usmani (London, United Kingdom)

13:00 Oscillometry procedure

Frans H.C. De Jongh (Enschede, Netherlands), Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom)

13:20 Case discussion (Spirometry paediatric, adult, oscillometry, and teaching/coaching perspectives)

Laura Graciela Gochicoa Rangel (Ciudad de México, Mexico), Chung-Wai Chow (Toronto (ON), Canada), Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

TP-19

Session

13:00 - 14:00

Thematic poster: Pneumonia**Disease(s) :** Respiratory critical care Airway diseases Interstitial lung diseases**Method(s) :** Respiratory intensive care Epidemiology General respiratory patient care Physiology Public health Cell and molecular biology Imaging Endoscopy and interventional pulmonology Pulmonary function testing**Chairs :** Pedro Jorge Marcos Rodriguez (A Coruña, Spain), Chair to be confirmed**High serum HIF-1 levels are associated with intensive respiratory support in community acquired pneumonia**

Noelia Carrion Collado (Valencia, Spain), Ana Comes Raga, Francisco Sanz Herrero, Goitzane Marcaida Benito, Estrella Fernández-Fabrellas

A population-based study to estimate the incidence rate of hospitalized community-acquired pneumonia in adults in Greece

Adamadia Liapikou (Athens, Greece), Vasiliki Kossyvakaki, John Skiadas, Damianos Menegas, Cristina Méndez, Elizabeth Begier, Bradford D. Gessner, Claudia Schwarz, Haralampos Milionis, Vasilios Tsimihodimos, Athanasios Konstantinidis, Gerasimos Baxevanos, Theodora Argiriadou, Chrysvagi Terrovitou, Michael Toubis, Study Egnatia Group

Activity and isoferment spectrum of serum lactate dehydrogenase in patients with community-acquired pneumonia associated with non-alcoholic fatty liver disease

Roman Razumnyi (Lugansk, Ukraine)

Impact of isolation for the suspicion of COVID-19 on bacterial pneumonia patients

Akiko Tamura (Tokyo, Japan), Manabu Murakami, Hiroshi Okamoto, Torahiko Jinta

Adiponectin in patients with community-acquired pneumonia: a prospective cohort study

Arnold Dungu (København, Denmark), Camilla Koch Rysør, Maria Hein Hegelund, Adin Sejdic, Andreas Vestergaard Jensen, Peter Lommer Kristensen, Rikke Krogh-Madsen, Daniel Faurholt-Jepsen, Birgitte Lindegaard

Analysis of complications of community-acquired pneumonia (CAP) in Anti-Terrorist Operation / Joint Forces Operation (ATO / JFO) participants

Nataliia Popenko (Kyiv, Ukraine)

Antioxidative stress markers in obese patients with community-acquired pneumonia

Tatiana Dumitras (Chisinau, Republic of Moldova), Diana Fetco-Mereuta, Sergiu Matcovschi, Livi Grib, Lilia Andronache, Virginia Cascaval, Valeriana Pantea, Valentin Gudumac

Delta Neutrophil Index, C-Reactive Protein and IL-8 as Markers of Sepsis

Pavlina Peneva (Varna, Bulgaria), Silviya Nikolova, Yana Bocheva

Changes in the pathogen spectrum of hospitalized adults with community-acquired pneumonia in Fujian Province: a multicenter, prospective study from 2012 to 2018

Hongru Li (Fuzhou (Fujian), China), Fan Wu, Jian Wu, Nengluan Xu, Ming Lin, Wenxiang Yue, Yusheng Chen

Phenotypic characteristics of Streptococcus pneumoniae in patients admitted to intensive care unit due to bacteremic pneumococcal pneumonia

Francisco Sanz Herrero (Quart de Poblet (Valencia), Spain), Luis Alberto Ruiz Iturriaga, Marta García Clemente, Pedro Pablo España Yandiola, Leyre Serrano Fernández, Noelia Carrión Collado, Julia Herrero Huertas, Rafael Zalacaín Jorge, Estrella Fernández-Fabrellas

Host transcriptomic signature for infection in patients with suspicion of LRTI undergoing bronchoscopy

Desiree Schumann (Basel, Switzerland), Andreas Hoheisel, Kathleen Jahn, Nina Khanna, Matthias Herrmann, Andrei Darie, Silvio Ragozzino, Sabine Kuster, Werner Strobel, Hans Hirsch, Michael Tamm, Daiana Stolz

Model-Based Dosing Optimization of Teicoplanin in Critically Ill Patients

SUNG WOOK KANG (Seoul, Republic of Korea), Hyeong Geun Jo, Eun Kyoung Chung, Sandy Jeong Rhie, Cheon Woong Choi

Serum copeptin and Serum albumin as markers of severity for community acquired pneumonia

Vaibhav Padashetti (Kalaburgi, India), Mahesh Pa, Jayraj Bs

Late Breaking Abstract - Real-world effectiveness of remdesivir for hospitalized patients with COVID-19: systematic review and meta-analysis

James Jarrett (Uxbridge, United Kingdom), Lianne Barnieh, Robert L. Gottlieb, Jakob J. Malin, Roger Paredes, Rachel Beckerman, Rikisha Gupta, Sushanth Jeyakumar, Nathaniel J. Smith, Armando Texeiro-Pinto

Validation of IDSA/ATS guidelines for ICU admission in very elderly patients with community-acquired pneumonia

Miquel Ferrer Monreal (Barcelona, Spain), Catia Cilloniz Campos, Juan Manuel Pericas, Leyre Serrano, Raul Mendez, Rosario Menendez, Luis Alberto Ruiz, Antoni Torres

ESTIMATING THE RISK OF BACTEREMIA IN HOSPITALIZED PATIENTS WITH PNEUMOCOCCAL PNEUMONIA

Leyre Serrano Fernandez (Bilbao (Bizkaia), Spain), Luis Alberto Ruiz Iturriaga, Silvia Perez Fernandez, Pedro Pablo España Yandiola, Catia Cilloniz, Beatriz Gonzalez Quero, Alejandro Rezola Carasusan, Ane Uranga, Antoni Torres Martí, Rafael Zalacain Jorge

Covid -19 pneumonia in women: what are the particularities?

Manel Loukil Ben Ali (Nabeul, Tunisia), Nemsî Ella, Abid Narjes, Gader Nada, Kalboussi Slim, Ben Ali Mechaal, Chaabane Imen, Bouzaidi Khaled, Ghrairi Hedia

Neutrophil gelatinase-associated lipocalin for predicting clinical stability in patients with community-acquired pneumonia

Xue Mingshan (Guangzhou, China), Runpei Lin, Teng Zhang, Yifeng Zeng, Wenhan Cao, Sixiao Wu, Mingtao Liu, Ning Li, Peiyan Zheng, Haisheng Hu, Chen Huang, Baoqing Sun

Forced oscillation technique used for monitoring of covid-19 pneumonia

Immanuels Taivans (Riga, Latvia), Laura Grima, Normunds Jurka, Gunta Strazda, Valentina Gordjusina

Interstitial changes after severe SARS-CoV-2 Infection

Ana Belén Llanos Gonzalez (La Orotava, Spain), Verónica Saray Hernández García, Héctor Manuel González Expósito, Juan Alfonso Bonilla Arjona, Paula Pérez De Armas, Nelson Mesa León, Marta Elena Gómez Gil, Jorge Estonell Erill, Olga María García Hernández, María Mercedes Cruz Díaz, Orlando Acosta Fernández

TP-1 Session 13:00 - 14:00**Thematic poster: COVID-19 and Post COVID-19: evolving knowledge**

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#)

Method(s) : Epidemiology General respiratory patient care Public health Imaging Pulmonary function testing Cell and molecular biology Physiology Respiratory intensive care Surgery Pulmonary rehabilitation

Chairs : Thomas Bahmer (Kiel, Germany), Sachin Ananth (London, United Kingdom)

Impact of cardiovascular disease on in-hospital mortality in patients with COVID-19

Ventsislava Pencheva Genova (Sofia, Bulgaria), Ralica Pancheva, Blagovest Stoimenov, Emil Manov, Vasil Kolev, Radoslava Tsrancheva, Krasimira Koshtikova, Dimitar Stoianov, Svilen Donev

Post COVID-19 recovery personalised care

Rachael Moses (North Shields, United Kingdom), Jenny Ceolta-Smith, Aimee Robson, Kate Jackson, Mohanpal Singh Chandan

Eight clusters of long-covid symptoms

Michal Kopecký (Býšť, Czech Republic), Vladimír Koblizek, Mikulas Skala, Vratislav Sedlak, Jiri Mares, Hynek Cigler

Professional burnout in a COVID-19 pandemic

Kseniia Bielosludtseva (Dnepropetrovsk, Ukraine), Karyna Fuhol, Larysa Botvinikova, Olena Myronenko, Oksana Pliexhanova

Impact of endothelial function on the prognosis of COVID-19 patients

Laura Cornejo-Cornejo (México City, Mexico), Carlos Sanchez-Moreno, Arturo Orea-Tejeda, Dulce Gonzalez-Islas, Iris Lopez-Vazquez, Mariana Salvatierra-Escobar, Jorge Aguilar-Meza, Juan Marquez-Cordero, Alejandra Rios-Pereda, Luis Hernandez-Urquieta, Robinson Robles-Hernandez, Susana Galicia-Amor, Esperanza Trejo-Mellado, Juan Carlos Garcia-Hernandez, Norma Camacho-Mendoza

Heart involvement in patients shortly after COVID-19 infection – easy detectable risk factors.

Magdalena Martusewicz-Boros (Warszawa, Poland), Piotr Boros, Marcin Paciorek, Dorota Piotrowska-Kownacka

Major cardiovascular events in patients with severe chronic obstructive pulmonary disease with and without asthma: a nationwide cohort study

Josefin Eklöf (København N, Denmark), Barbara Bonnesen, Pradeesh Sivapalan, Anna Kjær Kristensen, Ema Rastoder, Rikke Sørensen, Tor Biering Sørensen, Jens-Ulrik Jensen

Depressive outcomes of coronavirus pneumonia at a glance of gender factor

Kiarina Chichirelo-Konstantynovych (Vinnitsya, Ukraine), Olena Koval, Maksym Marunkevych, Tetyana Konstantynovych, Larysa Moroz

The long-COVID in the Czech Republic - interim analysis of population based survey

Vladimír Koblizek (Hradec Králové, Czech Republic), Jiří Jarkovský, Iva Cierna Peterova, Pavla Petr Dostalova, Margit Horackova, Milada Sipkova, Jiri Posker, Zuzana Antusova, Marianna Stefankova, Irena Opletalova, Michal Kopecky, Mikulas Skala, Klara Benesova, Ondrej Sanca, Hana Zelinkova, Libor Nevoranek, Larisa Solichova

Anxiety and depression in COVID-19 survivors

Soumaya Bouchareb (Ksar Hellal, Tunisia), Bouthayna Ben Rejeb, Ameni Ben Salem, Aya Zaara, Soumaya Boujnah, Imen Touil, Jihen Ayeb, Leila Boussoffara, Jalel Knani, Nadia Boudawara

In bed hybrid tracheostomy procedure in COVID-19 patients. Technique and results.

Jose Alfredo Santibáñez-Salgado (Coyoacán. Ciudad de México, Mexico), Mauricio González-Navarro, Julio De Jesús Herrera-Zamora, César Antonio López-Flores, Tania Pérez-Marmolejo, Eli Guido-Guerra, Francina Valezka Bolaños-Morales, Patricio Javier Santillán-Doherty

Short-term impact of COVID-19 on health-related physical fitness in hospitalized and home-treated patients

Aniello Arianna (Naples, Italy), Luca Scalfi, Ludovica Capitelli, Anna Buonocore, Rosalba Donizzetti, Lorena Gallotti, Paola Rebecca Iovine, Annalisa Mazzocca, Alessandro Sanduzzi, Marialuisa Bocchino

Mortality and access to intensive care in the Czech Republic during COVID-19 pandemic - evidence of care limitation or natural course of the disease?

Vladimir Koblizek (Hradec Králové, Czech Republic), Renata Chloupkova, Ondrej Ngo, Ondrej Majek, Jiri Jarkovsky, Karel Hejduk, Karolina Benesova, Ondrej Sanca

Stress and workload impact of the COVID-19 pandemic on pulmonology residents

Maide Gozde Inam (altındağ, Turkey), Nazlı Cetin, Orkun Eray Terzi, Nazli Huma Teke, Mehmet Parlak, Atalay Ozkul, Aylin Ozsancak Ugurlu

Post COVID Lung function after mild to moderate disease: Good prognosis, but high prevalence of hyperventilation (HV)

Abhinav Singla (Essen, Germany), Christian Taube, Thomas Wessendorf

Clinical course of Covid-19 cases vaccinated or unvaccinated

AYCAN YUKSEL (Ankara, Turkey), Esen Sayin Gulensoy, Ceren Ilgar, Nalan Ogan, Evrim Eylem Akpınar

Symptoms as achievable indicators of death risk in patients with COPD - final analysis of a prospective multicenter study in Czechia

Jaromir Zatloukal (Olomouc, Czech Republic), Vladimir Koblizek, Michal Svoboda, Eva Volakova, Libor Nevoranek, Michal Kopecky, Marek Plutinsky, Kristian Brat

Impact of COVID19 on work return after 6 months of hospitalization

Eloara Ferreira (São Paulo, Brazil), Helena Azevedo, Nataly Santos, Mariana Lafeté, Vitor Souza, Thais Menezes, Fabiana Penido, Maria Saldanha, Andre Albuquerque, Suzana Tanni, Priscila Sperandio

Comparison between suspected and confirmed COVID-19 respiratory patients: a pilot study

Stefania Principe (Palermo (PA), Italy), Amelia Grosso, Alida Benfante, Federica Albicini, Salvatore Battaglia, Erica Gini, Marta Amata, Iliaria Piccionello, Angelo Guido Corsico, Nicola Scichilone

Has become the management of severe SARS-CoV-2 infection a challenge for respiratory physicians?

Damiana Maria Vulturar (Cluj-Napoca, Romania), Anca-Diana Maiercan, Doina-Adina Todea

TP-22

Session

13:00 - 14:00

Thematic poster: Molecular footprints in lung cancer

Disease(s) : Thoracic oncology Airway diseases

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology Physiology General respiratory patient care Respiratory intensive care

Chairs : Ilias Angelidis (Chalandri, Greece), Fernando Gamarra (Straubing, Germany)

Changes in Structure and Stiffness of the Lung Extracellular Matrix in Lung Cancer

Maria Narciso (barcelona, Spain), Natalia Díaz-Valdivia, Constança Junior, Jorge Otero, Jordi Alcaraz, Daniel Navajas, Ramon Farre, Isaac Almendros, Núria Gavara

Endobronchial ultrasound transbronchial needle aspiration (EBUS-TBNA) performance for the determination of Programmed Death Ligand-1 (PDL-1) expression in non-small cell lung cancer (NSCLC)

Maria Zuñil Moreno (Lleida, Spain), Dinora Polanco, Esther Gracia-Lavedan, Lucía Pinilla, Sonia Gatiús, Ferran Barbé

Extracellular vesicles (EVs) as diagnostic tools in the phenotypic determination of lung tumors

Maureen Cambier (Liège, Belgium), Florian Muller, Monique Henket, Claire Remacle, Julien Guiot, Ingrid Struman

Non small cell lung cancer patients with EGFR mutation : therapeutic sequences in a real life setting

Giulia Berardi (Grenoble, France), Nicolas Girard, Florence De Fraipont, Chantal Decroissette, Sylvie Gazzerie, Denis Moro Sibilot, Anne Claire Toffart

Detection of lung cancer using a single blood biomarker and tobacco history in a high risk cohort

Morten Borg (Aalborg SV, Denmark), Line Nederby, Sara Wen, Torben Hansen, Anders Jakobsen, Rikke Andersen, Ulla Møller Weinreich, Ole Hilberg

Involvement of TLRs and WNT pathway in lung cancer in COPD patients

Amanda Iglesias Coma (Palma, Spain), Noemi Ceron, Esther Martínez, Aina Martin, Antonia Obrador, Jaume Sauleda

Terminal effector Tregs in metastatic lymph nodes of lung cancer patients

Joanna Domagała-Kulawik (Warszawa, Poland), Iwona Kwicien, Elzbieta Rutkowska, Agata Raniszewska, Joanna Bednarek, Rafal Sokolowski, Piotr Rzepecki

Current Practice in Molecular Genetic Testing in NSCLC Patients in Czechia. Data from the TULUNG Registry 2011-2021.

Monika Bratová (Brno 35, Czech Republic), Kristian Brat, Jana Skrickova, Karolina Hurdalkova, Milos Pesek, Martin Svaton, Libor Havel, Leona Koubkova, Michal Hrnčiarik, Ondrej Fischer, Jana Krejci

ADAMTS1 as a potential tumor suppressor in lung adenocarcinoma

Chao-Yuan Chang (Kaohsiung, Taiwan), Hsiao-Chen Lee, Kuan Li Wu, Ya-Ling Hsu

Blood biomarkers as predictors of treatment response in advanced NSCLC patients treated with immune checkpoint inhibitor therapy

Karolien Vekens (Jette, Belgium), Charlotte Dethier, Lore Decoster

Cancer associated fibroblasts subtypes are associated with histological features, immune environment and prognosis in resected non small cell lung cancer

nicolas poté (paris, France), Edouard Guenzi, Kinan El Hussein, Alice Guyard, Arnaud Mailleux, Pierre Mordant, Anne Couvelard, Bruno Crestani, Aurélie Cazes, Gérard Zalcmann

Analysing the molecular landscape of squamous cell carcinoma through simultaneous targeted DNA and RNA-based next-generation sequencing

Joanna Moes-Sosnowska (Warsaw, Poland), Monika Skupinska, Urszula Lechowicz, Paulina Skronska, Ewa Szczepulska-Wojcik, Aneta Stepniewska, Adrianna Rozy, Renata Langfort, Piotr Rudzinski, Tadeusz Orłowski, Delfina Popiel, Maciej Wieczorek, Joanna Chorostowska-Wynimko

Effects of the tumor microenvironment and molecular forms of alpha1-antitrypsin on NSCLC viability

Anna Gründing (Hannover, Germany), Tobias Welte, Sabina Janciauskiene

The Role of Interleukin 6 and Cyclooxygenase 2 In Progressivity and Metastatic Process in Advance Non Small Cell Lung Cancer

Arif Santoso (Makassar, Indonesia), Rasiha Rasiha, Sitti Munawwarah, Ahmad Mustang

TP-6 Session 13:00 - 14:00**Thematic poster: Translational research in COPD and lung cancer****Disease(s) :** Thoracic oncology Airway diseases**Method(s) :** Endoscopy and interventional pulmonology Cell and molecular biology Epidemiology Public health Imaging Pulmonary rehabilitation Transplantation**Chairs :** Guillaume Beltramo (Dijon, France), Chair to be confirmed**The Y-chromosome regulates hallmark features of asthma and COPD**

Karosham (Diren) Reddy (Glebe, Australia), Senani Rathnayake, Dikaia Xenaki, Alen Faiz, Brian Oliver

Implicating biological pathways in lung function and COPD by variant-to-gene mapping of novel signals from a multi-ancestry meta-analysis of genome-wide association studies

Martin D Tobin (Leicester, United Kingdom), Nick Shrine, Abril Izquierdo, Jing Chen, Anna L Guyatt, Richard Packer, Chiara Batini, Alfred Pozarickij, Robin G Walters, Stephanie London, Andrew P Morris, Louise V Wain, Ian P Hall

Clinical and molecular characterisation of new variants associated to alpha-1-antitrypsin deficiency

Valentina Barzon (Casanova Lonati (PV), Italy), Alice Maria Balderacchi, Giulia Bartoli, Stefania Ottaviani, Alessandra Corino, Tomás Patrick Carrol, Davide Piloni, Noel Gerard Mcelvaney, Angelo Guido Corsico, Anna Fra, Ilaria Ferrarotti

Smoking mice and exercise genes

Lars Aakerøy (Trondheim, Norway), Chew W Cheng, Pavla Sustova, Sissel Gyrid Freim Wahl, Nathan R Scrimgeour, Sigurd Steinshamm, T Scott Bowen, Eivind Brønstad

Study of the expression of the IREB2, HHIP, and FAM13A genes in COPD and lung cancer

Esperanza Salcedo Lobera (Málaga, Spain), Macarena Arroyo Varela, Gracia Eugenia González Angulo, Rafael Larrosa Jiménez, Rocío Bautista Moreno

The role of the microbiome in COPD

Gunnar Reksten Husebø (Fana, Norway), Kristel Knudsen, Rune Nielsen, Andreu Paytuví-Gallart, Walter Sanseverino, Tomas Mikal Eagan

Differentiating metabolomic signatures of airway and pulmonary vascular abnormalities in COPD

Wassim Labaki (Ann Arbor, United States), Yizhuo Wang, Susan Murray, Jeffrey Curtis, Russell Bowler, Carrie Pistenmaa, Pietro Nardelli, Rubén San José Estépar, Raúl San José Estépar, Kathleen Stringer, George Washko, Meilan Han

Using liquid biopsies to validate miRNA lung cancer biomarkers.

Esperanza Salcedo Lobera (Málaga, Spain), Macarena Arroyo Varela, Elena Espinosa García, Rafael Larrosa Jiménez, Rocío Bautista Moreno

MiRNAs under condition of continuous and intermittent hypoxia: possible link with oncogenesis?

Donato Lacedonia (Molfetta (BA), Italy), GIORGIA MORIONDO, Piera Soccio, Giulia Scioscia, Pasquale Tondo, Rosa Leccisotti, Maria Cristina Colanardi, Roberto Sabato, Maria Pia Foschino Barbaro

Comparison of blood and lung biopsy core microbiome profiles of patients with lung carcinoma.

Borislava Tsafarova (Sofia, Bulgaria), Yordan Hodzhev, Vladimir Tolchkov, Nikolay Yanev, Vania Youroukova, Silvia Ivanova, Vladimir Milanov, Dimitar Kostadinov, Stefan Panaiotov

Correlation of PD-L1 expression on endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA) samples and metabolic activity on 18F-Fluorodeoxyglucose uptake on positron emission tomography/computed tomography (18F-FDG PET/CT)

Virginia Guevara Velazquez (Salamanca, Spain), Rosa Cordovilla Pérez, Asunción Gómez Muñoz, Marta Rodríguez González, Marco López Zubizarreta, Miguel Iglesias Heras, Lorena Bellido Hernández, Jesús Pinto Blázquez

The involvement of neutrophil infiltration in the formation of lung pre-metastatic niche

YUNG-CHI HUANG (Kaohsiung City, Taiwan), Ya-Ling Hsu, Hsiao-Chen Lee

Searching for genomic variations in lung cancer using Deep Learning.

Esperanza Salcedo Lobera (Málaga, Spain), Macarena Arroyo Varela, Maria Pilar Pérez Soriano, Rafael Larrosa Jiménez, Rocío Bautista Moreno

The clinical utility of longitudinal measurement of mutated EGFR in plasma of advanced NSCLC patients during EGFR-TKI treatment

Adam Szpechciński (Warszawa, Poland), Maciej Bryl, Emil Wojda, Grzegorz Czyzewicz, Daria Swiniuch, Marek Szwiec, Rodryg Ramlau, Pawel Sliwinski, Aleksander Barinow-Wojewodzki, Joanna Chorostowska-Wynimko

Chest manifestation of the scleros tuberos complex : case report and literature review

naima ait mouddene (CASABLANCA, Morocco), Hajar Arfaoui, Hasna Jabri, Wiam Elkhattabi, Hicham Affif

MiR-125b-5p up-regulation in asthma and COPD overlap patients mediates oxidative stress and apoptosis via targeting IL6R/NLRC5/TRIAP1

Yu-Ping Chang (Kaohsiung, Taiwan), Chiu-Ping Lee, Yung-Che Chen

The regulation of IL33 following smoking cessation

Alen Faiz (Ultimo (NSW), Australia), Fia Sabrina Boedijono, Wim Timens, Martijn Nawijn, Philip M. Hansbro, Rashad Mahbub, Matt D. Johansen, Corry-Anke Brandsma, Irene H. Heijink, Florian Massip, Maria Stella De Biase, Roland F. Schwarz, Ian M. Adcock, Kian Fan Chung, Pieter S. Hiemstra, Helene Goulaouic, Heming Xing, Raolat Abdulai, Emanuele De Rinaldis, Danen Cunoosamy, Sivan Harel, David J. Lederer, Chad Nivens, Huib Kerstjens, Machteld Hylkema, Maarten Van Den Berge

Novel privacy considerations for large scale proteomics

Russell Bowler, Andrew Hill, Elizabeth Litkowski, Ani Manichaikul, Leslie Lange, Katherine Pratte, Katerina Kechris, Matthew Decamp, Marilyn Coors, Victor Ortega, Stephen Rich, Jerome Rotter, Jeffery Curtis, Debby Ngo, Wanda O'Neal, Brian Hobbs, Michael Cho, Farnoush Banaei-Kashani

Late Breaking Abstract - Low-density lipoprotein-cholesterol and risk of chronic obstructive pulmonary disease: A prospective study of 107.301 participants

Josefine Freyberg (København SV, Denmark), Shoaib Afzal, Eskild Morten Landt, Børge G. Nordestgaard, Morten Dahl

Late Breaking Abstract - Terminal bronchioles decrease before emphysematous destruction and adaptive immune response in human explant lungs with COPD.

Charlotte de Fays (Loverval, Belgium), Hanne Beeckmans, Pieterjan Kerckhof, Vincent Geudens, Astrid Vermaut, Iwein Gyselinck, Tinne Goos, Marie Vermant, Janne Kaes, Celine Aelbrecht, Karen Maes, Youssry Mohamady, Lucia Aversa, Stephanie Everaerts, John McDonough, Laurens De Sadeleer, Sophie Gohy, Jerome Ambroise, Wim Wuyts, Wim Janssens, Laurens Ceulemans, Dirk Van Raemdonck, Robin Vos, Naftali Kaminski, Charles Pilette, Ghislaine Gayan-Ramirez, Bart Vanaudenaerde

TP-11

Session

13:00 - 14:00

Thematic poster: COPD: from biomarkers to phenotypes and severity**Disease(s) :** Airway diseases Respiratory critical care**Method(s) :** General respiratory patient care Cell and molecular biology Imaging Pulmonary function testing Physiology Public health Epidemiology**Chairs :** Morten Dahl (Køge, Denmark), Jose Luis López-Campos Bodineau (Sevilla, Spain)**Bone Morphogenic Proteins and their antagonists in the lower airways of stable COPD patients**

Antonino Di Stefano (Veruno (NO), Italy), Isabella Gnemmi, Francesca Dossena, Umberto Rosani, Paola Brun, Andrea Leonardi, Bruno Balbi, Francesco Nucera, Vitina Carriero, Francesca Bertolini, Silvestro Ennio D'Anna, Mauro Maniscalco, Ian M. Adcock, Gaetano Caramori, Fabio Lm Ricciardolo

What is walking? a systematic review and meta-ethnography

Laura Delgado Ortiz (Barcelona, Spain), Ashley Polhemus, Alison Keogh, Norman Sutton, Werner Remmele, Clint Hansen, Felix Kluge, Basil Sharrack, Clemens Becker, Thierry Troosters, Walter Maetzler, Lynn Rochester, Anja Frei, Milo Puhan, Judith Garcia-Aymerich

Effects of breathing-based meditation on dyspnea in COPD, a single-case study

Ting-fen Lin (Fresno, United States), Samantha Shune

Survival of COPD patients according to the new phenotypes defined in Spanish COPD Guidelines 2021

IRENE MILAGROS DOMINGUEZ ZABALETA (Madrid, Spain), Zichen Ji, Julio Hernández Vázquez, Ismael Ali García, Carmen Matesanz Ruiz, Walther Iván Girón Matute, David Martos Ruiz, Paula García Valentín, Marta Esteban Yagüe, Javier De Miguel Díez

Lower levels of a leukotriene B4 catabolite in COPD patients

Tina Kramarić (Aberystwyth, United Kingdom), Katie Love, Sarah Thomas, Timothy Asibey-Berko, Subhamay Ghosh, Keir Lewis, Luis Mur

Thrombophilia as a factor in increasing inflammation in COPD

Elnorahon Abduganieva (Tashkent, Uzbekistan)

The BLF Early COPD Consortium: Respiratory Oscillometry Detects Abnormalities before Lung Function Testing

Andrew Ritchie (London, United Kingdom), Gavin Donaldson, Omar Usmani, Andras Bikov, Luana Alves-Moreira, Jorgen Vestbo, Peter Calverley, Jadwiga Wedzicha

Advanced lung function targeting small airway dysfunction (SAD) improves differentiation of mild COPD and smokers at risk from healthy controls – CAPTO-COPD

Frederik Trinkmann (Heidelberg, Germany), Mustafa Abdo, Anne Kirsten, Klaus F. Rabe, Felix J.F. Herth, Henrik Watz

Health-related quality of life (HRQL) is associated with small airway dysfunction (SAD) in mild COPD and smokers at risk – cross-sectional baseline data from CAPTO-COPD

Frederik Trinkmann (Heidelberg, Germany), Anne Kirsten, Mustafa Abdo, Klaus F. Rabe, Felix J.F. Herth, Henrik Watz

TRONARTO post hoc analysis: factors affecting peak inspiratory flow (PIF) variability

Donald A. Mahler (Hanover, United States), Henrik Watz, Rachel Emerson-Stadler, John Ritz, Asif Shaikh, Michael Bradley Drummond

Sarcopenia is associated with cardiovascular risk in patients with COPD, independent of adiposity

Youngmok Park (Seoul, Republic of Korea), Ji Ye Jung, Ah Young Leem, Young Sam Kim, Kung Soo Chung, Moo Suk Park, Seung Up Kim, Young Ae Kang

Correlations between volumetric capnography and automated quantitative computed tomography analysis in patients with severe COPD

Monica Corso Pereira (Campinas (SP), Brazil), Odair Diniz, Silvia Da Silva, Marcel Santos, Ilma Paschoal, Marcos Moreira

Principal component analysis of flow-volume curves in COPD Gene to link spirometry with phenotypes of COPD

Kenneth Verstraete (Leuven, Belgium), Nilakash Das, Iwein Gyselinck, Marko Topalovic, Thierry Troosters, Maarten De Vos, Wim Janssens

PROM and PREM preferences in COPD-patients

Iwein Gyselinck (Leuven, Belgium), Kristina Vermeersch, Hendrik Pott, Sanjay Ramakrishnan, Andreas Halner, Phil Collis, Courtney Coleman, Henrik Watz, Fabienne Dobbels, Frits Franssen, Timm Greulich, Pierre-Régis Burgel, Mona Bafadhel, Wim Janssens

Rapid FEV1/FVC decline is a risk factor for chronic obstructive pulmonary disease and mortality in general population

Kwang Yong Choi (Seoul, Republic of Korea), Hyo-Jin Lee, Jung-Kyu Lee, Tae Yeon Park, Eun Young Heo, Deog Kyeom Kim, Hyun Woo Lee

Probabilistic modeling of COPD imaging characteristics for disease severity prediction

Silvia Dias Almeida (Heidelberg, Germany), Tobias Norajitra, Carsten Lueth, Tassilo Wald, Taisiya Kopytova, Marco Nolden, Paul F. Jaeger, Claus Peter Heussel, Juergen Biederer, Hans-Ulrich Kauczor, Oliver Weinheimer, Klaus Maier-Hein

Analysis of brain functional connectivity in COPD patients with functional brain MRI

Yoomi Yeo (Guri-si, Republic of Korea), Ji Tak Rhu, Hanjoon Jo, Sung-Ho Jang, Joonho Choi, Dong Woo Park, Tae-Hyung Kim

FEV1 decline is accelerated in only a minority of patients with COPD: a factorial analysis of longitudinal data

Pierre-Régis Burgel (Paris, France), Thierry Perez, Gaetan Deslée, Maeva Zysman, Olivier Le Rouzic, Pascal Chanez, Gilles Jébrak, Isabelle Court-Fortune, Graziella Brinchault, Pascale Nesme-Meyer, Anne Guillaumot, Bruno Ribeiro-Baptista, El Hassane Ouaalaya, Jean-Louis Paillasseur, Nicolas Roche

129Xe-MRI and lung function to phenotype ventilation heterogeneity in asthma and/or COPD

Laurie Smith (Sheffield (South Yorkshire), United Kingdom), Helen Marshall, Demi-Jade Jakymelen, Alberto Biancardi, Guilhem Collier, Ho-Fung Chan, Paul Hughes, Martin Brook, Joshua Astley, Ryan Munro, Smitha Rajaram, Andy Swift, David Capener, Jody Bray, James Ball, Oliver Rodgers, Ian Smith, Bilal Tahir, Madhwesha Rao, Graham Norquay, Nick Weatherley, Leanne Armstrong, Latife Hardaker, Titti Fihn-Wikander, Rod Hughes, Jim Wild

Prediction of V'O2max in advanced COPD patients using the Oxygen Uptake Efficiency Slope

Marco Maenen (Heerlen, Netherlands), L. Van Den Broek, L. Somers, A. Hanneman, J.G. Van Den Aardweg, R. Baba, M.D. De Kruif

TP-4	Session	13:00 - 14:00
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Thematic poster: Exercise capacity in respiratory diseases

Disease(s) : Pulmonary vascular diseases Airway diseases Interstitial lung diseases

Method(s) : Imaging Physiology Pulmonary function testing Pulmonary rehabilitation Epidemiology General respiratory patient care

Chairs : J. Alberto Neder (Kingston (ON), Canada), Samuel Verges (Grenoble, France)

Determinants of DLCO and contribution to exercise capacity and symptoms

Eldar Priel (Dundas, Canada), Kieran J Killian, Imran Satia

VO2 prediction based on physiologic and mechanical exercise measurements

Marco António Pacheco Pereira (Paio Pires, Portugal), Ricardo Almeida, Herminia Dias

Cardiovascular response to exercise in preterm-born children with and without low lung function

Chris Course (Cardiff, United Kingdom), Sarah Kotecha, Michael Cousins, Kylie Hart, John Watkins, Sailesh Kotecha

The effect of aerobic training on pulse wave velocity in adults with and without long-term conditions: a systematic review

Majda Bakali (Leicester, United Kingdom), Thomas J C Ward, Amy V Jones, Grace M Hawthorne, Pip Divall, Matthew P M Graham-Brown, Gerry P Mccann, Thomas Yates, Michael C Steiner, Rachael A Evans

Effects of a rehabilitation programme on blood inflammatory markers

Salma Mokaddem Mohsen (Tunis, Tunisia), Khadija Ayed, Zeineb El Guebsy, Asma Ayed, Ibtissem Dekhil, Imededdine Ben Dhia, Touhami Khelifi

Why patients with lung fibrosis showing only mild restriction at rest may develop limiting dyspnoea on exertion?

J. Alberto Neder (Kingston (ON), Canada), Reginald M Smyth, Devin B Phillips, Matthew D James, Sandra G Vincent, Kathryn M Milne, Mathieu Marillier, Juan Pablo De-Torres, Onofre Moran-Mendoza, Denis E. O'Donnell

Longitudinal prediction of maximum oxygen uptake in adults: analysis from the FRIEND registry

Victor Dourado (Santos (SP), Brazil), James Peterman, Ross Arena, Jonathan Myers, Leonard Kaminsky

Validity of alternative exercise tests in pulmonary hypertension.

Harrison Stubbs (Glasgow, United Kingdom), Alexander Maclellan, Michael Mcgettrick, Stephanie Lua, Fiona Thompson, Bhautesh Jani, Melanie Brewis, Colin Church, Martin Johnson

Disease-specific muscle oxygen transport and utilization during exercise in chronic obstructive pulmonary disease vs. chronic heart failure

Ulrik Winning Iepsen (Copenhagen, Denmark), Jacob Peter Hartmann, Rasmus Holmboe Dahl, Stine Nymand, Gregers Munch, Camilla Koch Rysør, Bente Klarlund Pedersen, Pia Thaning, Stefan Mortensen, Ronan Martin Griffin Berg

Effects of acute bronchodilators on ventilatory constraint and dyspnoea during exercise in patients with pulmonary arterial hypertension (PAH)

Danilo C Berton (Porto Alegre (RS), Brazil), Elisa Schroeder, Lucia Rosso Diello, Marcelo B Gazzana, Eloara Vieira Machado Ferreira Alvares Da Silva Campos

The utility of maximal oxygen uptake in assessment of cardiovascular risk in female patients with rheumatoid arthritis without associated lung disease

Gehan H. Abo E-Magd (Tanta, Egypt), Samah Elmedany

Submaximal breathing reserve during incremental cycle ergometry: reference values and clinical validation

J. Alberto Neder (Kingston (ON), Canada), Danilo C. Berton, Franciele Plachi, Devin Phillips, Reginald Smyth, Matthew James, Sophie Crinion, Juan Pablo De-Torres, Denis E. O'Donnell

The Impact of Cardiopulmonary Exercise Testing on Diagnosis of Unexplained Dyspnea

Craig Cook (bountiful, United States), Matt Hegewald

The association of pulmonary function and physical fitness in a population study

Maria Lopmeri (Helsinki, Finland), Tuula Vasankari, Tiina Mattila, Kari Tokola, Tommi Vasankari

Exploring the long-term survival impact of low exercise capacity in COPD patients: the importance of DLCO

Juan Pablo de Torres Tajés (Kingston, Canada), Alberto Neder, Devin Phillips, Mathew James, Amany Elbehairy, Sandra Vincent, Angela Martin Palmero, Denis O'Donnell

Sit-to-stand as a potential alternative to 6MWT for portable oxygen titration in COPD

Nuno Faria (Porto, Portugal), Bruno S. Silva, Paula Pinto, Vânia Almeida, Maria José Fernandes, Maria Sucena, Joana Gomes

Do "static" lung volumes add to inspiratory capacity to predict exertional dyspnea and poor exercise tolerance in COPD?

J. Alberto Neder (Kingston (ON), Canada), Danilo C. Berton, Francieli Plachi, Devin Phillips, Reginald Smyth, Matthew James, Sophie Crinion, Juan Pablo De-Torres, Denis E. O'Donnell

Postural relief of dyspnea is associated with reduced neuromechanical dissociation in patients with advanced COPD

Amany Elbehairy (Alexandria, Egypt), Azmy Faisal, Hannah Mcisaac, Matthew D. James, Devin B. Phillips, Nicolle J. Domnik, Denis E. O'Donnell

The link between elevated inspiratory neural drive, inspiratory constraints, and dyspnea across the continuum of COPD severity

Matthew D. James (Kingston (ON), Canada), Devin B. Phillips, Sandra G. Vincent, Sara J. Abdallah, Adamo A. Donovan, J. Alberto Neder, Benjamin M. Smith, Dennis Jensen, Denis E. O'Donnell

TP-7 Session 13:00 - 14:00**Thematic poster: Respiratory inflammation and the pulmonary consequences of COVID-19****Disease(s) :** Interstitial lung diseases Airway diseases Respiratory critical care**Method(s) :** Respiratory intensive care Cell and molecular biology Pulmonary function testing Physiology General respiratory patient care Endoscopy and interventional pulmonology Public health Pulmonary rehabilitation**Chairs :** Justine Devulder (London, United Kingdom), Katie Raby (London, United Kingdom)**Inflammation and membrane integrity of epithelial cells and macrophages infected by Pseudomonas aeruginosa and Streptococcus pneumoniae**

Elena Campaña Duel (Sabadell, Spain), Luis Morales-Quinteros, Adrián Ceccato, Aina Areny-Balagueró, Pamela Conde, Lluís Blanch, Laia Fernández, Marta Camprubí-Rimblas, Antonio Artigas

IL-4 mediated-macrophage reprogramming promotes ARDS resolution in the Aging Host

Andres Felipe Villabona-Rueda (Baltimore, United States), Xueyi Chen, Jeremy Walston, Peter Abadir, Franco D'Alessio

IL-33 and IL-4R blockade impact distinct and overlapping inflammatory mediators of airway disease

Seblewongel Asrat (Tarrytown, United States), George Scott, Jeanne Allinne, Weikeat Lim, Dylan Birchard, Li-Hong Ben, Andrew J. Murphy, Matthew A. Sleeman, Jamie Orengo

Physiomimetic culture of mesenchymal stromal cells affects macrophage activity in a paracrine manner.

Bryan Falcones (Malmö, Sweden), Arturo Ibáñez-Fonseca, Zackarias Söderlund, Isaac Almendros, Linda Elowsson Rendin, Ramon Farré, Gunilla Westergren-Thorsson

The role of MBD2 regulating M1 macrophage polarization in acute lung injury

Wenjin Sun (Chengdu City, China)

Monocyte Derived Macrophage (MDM) responses to heme stimulation

Michelle Schorer (Bern, Switzerland), Kleanthis Fytianos, Jessica Petracca, Fabian Kaesermann

Late Breaking Abstract - Parenchymal lung abnormalities , clinical severity and outcomes in patients with COVID 19 pneumonia: a prospective longitudinal observational study

Ashish Kumar Prakash (Gurgaon (Haryana), India), Bornali Datta, Manish Kumar Singh, Kavitha Yaddanapudi, Kulbir Ahlawat, Jaya Tripathy, Pinky Goyal, Sandeep Mittal, Nishant Gupta, S Parvathi, Anand Jaiswal, Padam Singh, Sudhakar Pipavat, Ganesh Raghu

Circulating neutrophil-derived microvesicles are a hidden compartment of inflammation in severe COVID-19

Sanooj Soni (London, United Kingdom), Elizabeth Brown, Diianeira Tsiridou, Ashley Green, Carissa Chu, Jessica Luiz, Robert Grogan, Sehar Khushi, Michael R. Wilson, Anthony C. Gordon, Kieran O'Dea, Stephen J. Brett, Masao Takata

Investigating COVID-19 severity based on serum levels of vascular endothelial growth factor (VEGF)

Elham Barfzadeh (Kerman, Islamic Republic of Iran), Mitra Samareh Fekri, Ahmad Shafahi, Mehrdad Farokhnia, Fatemeh Karami Robati, Sajjadedh Movahedinia, Shariar Dabiri

Involvement of the chemerin-ChemR23 system in severe COVID-19 patients

Philomene Lavis (Brussels, Belgium), Sofia Morra, Carmen Orte Cano, Nurhan Albayrak, Véronique Corbière, Véronique Olislagers, Nicolas Dauby, Véronique Del Marmol, Arnaud Marchant, Christine Decaestecker, Françoise Mascart, Philippe Van De Borne, Isabelle Salmon, Myriam Remmelink, Marc Parmentier, Alessandra K Cardozo, Benjamin Bondue

Developing advanced cell culture models to study COVID-19-associated pulmonary fibrosis

Anne M. van der Does (Leiden, Netherlands), Sijia Liu, Ying Wang, Melissa Thaler, Annemarie Van Schadewijk, Mariska Van Huizen, Danielle Cohen, Marjolein Kikkert, Martijn J. Van Hemert, Peter Ten Dijke, Pieter S. Hiemstra

Time-dependent molecular motifs of pulmonary fibrogenesis in COVID-19

Jan-Christopher Kamp (Hannover, Germany), Lavinia Neubert, Maximilian Ackermann, Helge Stark, Christopher Werlein, Jan Fuge, Axel Haverich, Alexandar Tzankov, Konrad Steinestel, Johannes Friemann, Peter Boor, Klaus Junker, Marius M. Hoepfer, Tobias Welte, Florian Laenger, Mark P. Kuehnel, Danny D. Jonigk

Serological markers of tissue remodeling are elevated in patients with COVID-19 who develop interstitial lung disease

Helene Wallem Breisnes (Herlev, Denmark), Pernille Juhl, Diana Julie Leeming, Tom Wilkinson, Aishath Fazleen, Jannie Marie Bülow Sand

Balance between α 1-Antitrypsin and Human Neutrophil Elastase (α 1AT/HNE) in Bronchoalveolar Lavage fluid (BALf) of severe COVID19 patients

Valentina Vertui (Pavia, Italy), Maura D'Amato, Simona Viglio, Sara Bozzini, Monica Morosini, Laura Pandolfi, Sara Lettieri, Matteo Della Zoppa, Tommaso Fossali, Riccardo Colombo, Anna Aliberti, Paolo Iadarola, Federica Meloni

Broncho-alveolar expression of metalloproteinases and tissue growth factors as predictors of clinical severity in Sars-Cov-2 pneumonia

Vittorio Chino (Pavia, Italy), Francesco Bertuccio, Laura Saracino, Anna Aliberti, Michele Pagani, Sara Bozzini, Cecilia Bagnera, Sara Lettieri, Federica Meloni

Prolonged stay and endothelial dysfunction in hospitalized patients with covid-19

Laura Cornejo-Cornejo (México City, Mexico), Juan Marquez-Cordero, Arturo Orea-Tejeda, Dulce Gonzalez-Islas, Jorge Aguilar-Meza, Alejandra Rios-Pereda, Iris Lopez-Vazquez, Mariana Salvatierra-Escobar, Carlos Sanchez-Moreno, Gamaliel Aztatzi-Aguilar, Maria Sierra-Vargas, Yasmin Debray-Garcia, Alejandra Loaeza-Roman, Susana Galicia-Amor, Esperanza Trejo-Mellado

Correlation between lung inflammatory cells, viral load and cytokines in fatal COVID-19

Natália de Souza Xavier Costa (São Paulo, Brazil), Jonas Erjefält, Jimmie Jönsson, Olga Cozzolino, Katia Dantas, Carl-Magnus Claussøn, Premkumar Siddhuraj, Caroline Lindö, Suzete Ferreira Spina Lombardi, Alfredo Mendroni Júnior, Leila Antonangelo, Caroline Silvério Faria, Amaro Nunes Duarte Neto, Renata Almeida Monteiro, João Renato Rebello Pinho, Michele Soares Gomes-Gouvêa, Roberta Verciano Pereira, Jhonatas Sirino Monteiro, João Carlos Setubal, Ellen Pierre De Oliveira, Jair Theodoro Filho, Caroline Sanden, Jamie Orenge, Matthew Sleeman, Luiz Fernando Ferraz Da Silva, Paulo Nascimento Saldiva, Marisa Dolhnikoff, Thais Mauad

Proteomic profiling of severe lung diffusion impairment in the recovery stage of COVID-19-induced ARDS

María C García-Hidalgo (Lleida, Spain), Jessica González, Iván D Benítez, Sally Santistevé, Fátima Rodríguez-Jara, Marta Molinero, Manel Pérez-Pons, Gerard Torres, Anna Moncusí-Moix, Clara Gort-Paniello, Paola Carmona, Jesús Caballero, Carme Barberà, Ana P. Tedim, Raquel Almansa, Adrián Ceccato, Laia Fernández-Barat, Ricard Ferrer, Dario Garcia-Casulla, Rosario Menéndez, Anna Motos, Óscar Peñuelas, Jordi Riera, Jesús F Bermejo-Martín, Antoni Torres, Ferrán Barbé, David De Gonzalo-Calvo

Evaluation of lung inflammation using Exhaled breath condensate in patients with post-COVID syndrome.

Andrea Portacci (Taranto, Italy), Paola Pierucci, Sara Quaranta, Ilaria Iorillo, Cristian Locorotondo, Enrico Buonamico, Fabrizio Diaferia, Esterina Boniello, Giuseppe Di Gioia, Maria Francesca Grimaldi, Giovanna Elisiana Carpagnano

HLA Class I allele is associated with a lower risk to develop Post-COVID19 interstitial lung manifestations

Gloria Pérez-Rubio, Ramcés Falfán-Valencia, Ivette Buendía-Roldán, Enrique Ambrocio-Ortiz, Hiram Aguilar-Durán, Leslie Chávez-Galán, Angel Camarena

TP-5 Session 13:00 - 14:00

Thematic poster: Noninvasive respiratory support in COVID-19: what did we learn?

Disease(s) : Respiratory critical care

Method(s) : Respiratory intensive care Palliative care General respiratory patient care Cell and molecular biology Endoscopy and interventional pulmonology Imaging

Chairs : Claudia Crimi (Catania (CT), Italy), Miguel Filipe Martins de Matos Navarro Guia (Carnaxide, Portugal)

Role of BAL in COVID-19 patients: a prospective multicentre study

Luca Ciani (Firenze, Italy), Julien Guiot, Claudia Ravaglia, Venerino Poletti, Valentina Luzzi, Leonardo Giuntoli, Leonardo Gori, Ernst Benoit, Edoardo Berillo, Alessandro Morettini, Carlo Nozzoli, Federico Lavorini, Anna Peired, Cosimo Nardi, Fabio Morecchiato, Gian Maria Rossolini, Simona Pollini, Laura Maggi, Francesco Annunziato, Marco Matucci Cerinic, Sara Tomassetti

Usefulness of the early combination of non-invasive respiratory therapies in patients with COVID-19

Jose Rafael Teran Tinedo (Madrid, Spain), Pablo Mariscal Aguilar, Miguel Lorente González, Eduardo Cano Sanz, Joaquin Hernández Núñez, Maria Angeles Ortega Fraile, Daniel Laorden Escudero, Isabel De La Calle-Gil, Maria Cristina Plaza Moreno, Daniel Carballo López, Berta Gallego Rodríguez, Mariara Calderon Alcalá, Ailaf Latif Essa, Annette Zevallos Villegas, Soraya Gholamian Ovejero, Maria Churruca Arróspide, Manuel Valle Falcones, Elena Maria Saiz Lou, Carmen Rodríguez Calle, Pedro Landete Rodríguez

High-flow nasal cannula oxygen versus non-invasive ventilation in patients with COVID-19: a systematic review and meta-analysis

Azizullah Beran (Toledo, United States), Omar Srouf, Saif-Eddin Malhas, Mohammed Mhanna, Hazem Ayes, Waleed Khokher, Khaled Srouf, Ragheb Assaly

Severe SARS-CoV-2 pneumonia and pneumomediastinum and/or pneumothorax: a prospective observational study in an intermediate respiratory care unit

Miguel Lorente González (Madrid, Spain), José Rafael Terán Tinedo, Daniel Laorden Escudero, Annette Zevallos Villegas, Miguel Suárez Ortiz, Pablo Mariscal Aguilar, Eduardo Cano Sanz, María Angeles Ortega Fraile, Joaquín Hernández Núñez, Adalgisa Falcone, Elena María Saiz Lou, María Cristina Plaza Moreno, Clotilde Funes Moreno, Isabel De La Calle Gil, Rosalía Navarro Casado, Daniel Carballo López, Berta Gallego Rodríguez, Soraya Gholamian Ovejero, Aylaf Latif Essa, Carmen Rodríguez Calle, Tomás Jesús Villén Villegas, Pedro Landete Rodríguez

Lung Ultrasound versus SpO₂-guided as "Best-PEEP" titration in SARS-CoV2 ARDS

Salvatore Longobardi (Milan, Italy), Paolo Gaboardi, Fabrizio Nava, Andrea Lanza, Leonardo Rovere, Luca Ciceri, Michele Chiericozzi, Paolo Tarsia

Palliative care for Continuous Positive Airway Pressure (CPAP) withdrawal in patients with COVID-19

Shi Han Lee (Colchester, United Kingdom), Asfandyar Yousuf, Sangam Bhandari, Mayurun Selvan, Harriet Roebuck, Rekha Badiger

CPAP-associated changes in oxygenation and clinical outcomes in severe COVID-19 pneumonia

Stefano Pini (Milan, Italy), Marina Saad, Luca Perotto, Marina Gatti, Davide Alberto Chiumello, Stefano Aliberti, Francesco Blasi, Dejan Radovanovic, Pierachille Santus

Treatment of COVID-19 ARDS with a tabletop NIV device in a Respiratory Intermediate Care Unit

Barney Isaac (Vellore (Tamil Nadu), India), Nadesan Priya, Avinash Nair, Balamugesh Thangakunam, Amith Balachandran, Tina George, Sheba Thomas, Tarun George, Ramya Iyadurai, Selwyn Kumar, Anand Zachariah, Bhagteshwar Singh, Priscilla Rupali, Kishore Pichamuthu, Richa Gupta, Jeffereson Daniel, Jebin Roger, Sujith Chandy, Devashayam Christopher

Utility of Continuous Positive Airway Pressure (CPAP) in COVID pneumonitis patients not suitable for mechanical ventilation

Jessamy Reece (Worces, United Kingdom), Bethany Jones, Roisin O'Neill, Abhi Lal, See Ling Tan

Predicting the need for Continuous Positive Airway Pressure (CPAP) or High-flow nasal oxygen (HFNO) in COVID-19 and patient outcome

Mohammed Jahanzeb Malik (Leatherhead, United Kingdom), Simon Bax, Riaz Ahmed

ROX index dynamics according to HFNC success in ICU patients with COVID-19-related acute respiratory failure

Pervin Hanci (Edirne, Turkey), Ahmet Uysal, Beyza Yuksel, Volkan Inal

Development of a Non-Invasive Respiratory Support Pathway in COVID19 patients with severe respiratory failure in an Intermediate Respiratory Care Unit

Antonio Menéndez (Granada, Spain), Jose Antonio Sánchez-Martínez, Susana Rojo-Tolosa, María Victoria González-Gutiérrez, Graciela Carolina Jurkojc Mohremberger, Gonzalo Jiménez-Gálvez, Concepción Morales-García

CLINICAL FINDINGS AND OUTCOMES FROM 1306 PATIENTS WITH COVID-19 PNEUMONIA IN AN INTERMEDIATE RESPIRATORY CARE UNIT: A PROSPECTIVE, OBSERVATIONAL STUDY

Daniel Laorden Escudero (Madrid, Spain), Jose Rafael Terán-Tinedo, Soraya Gholamian-Ovejero, Miguel Lorente-González, Annette Zevallos-Villegas, Roberto Martínez-Alejos, Fernando Neria, María Ángeles Ortega-Fraile, Joaquín Hernández-Núñez, Pablo Mariscal-Aguilar, Rosalía Navarro-Casado, Isabel De La Calle-Gil, María Cristina Plaza-Moreno, Clotilde Funes-Moreno, Eduardo Cano-Sanz, Miguel Suárez-Ortiz, Manuel Valle-Falcones, Daniel Carballo-López, Berta Gallego-Rodríguez, Mariara Calderon-Alcalá, Aylaf Latif-Essa, María Churruca-Arróspide, Elena María Saiz-Lou, Carmen Rodríguez-Calle, Adalgisa Falcone, Miguel Angel Salvador-Maya, Juan Martin-Torres, Marta D Espuelas Borderia, Laura Cotter-Muñoz, Ana Sanchez-Azofra, Roberto Vates-Gomez, Fernando García-Prieto, Alba Hernández-Píriz, Tomás Villén-Villegas, Pedro Landete

Predictors of Non-invasive Respiratory Support Failure in COVID-19 Pneumonia (RUTIROX). Preliminary Results

Toni Marin (Badalona (Barcelona), Spain), Irene Aldás, Marina Galdeano, Leire Mendiluce, Alan Jhunió Solis, Isabel Alfaya, Adriana Martín, Marina Perpiñan, Jorge Abad, Antoni Rosell

TP-21

Session

13:00 - 14:00

Thematic poster: Advances in the diagnosis of tuberculosis, multidrug-resistant tuberculosis and NTM

Disease(s) : Pulmonary vascular diseases Airway diseases

Method(s) : Cell and molecular biology Epidemiology General respiratory patient care Public health

Chairs : Selin Ercan (Izmir, Turkey), Irina Kontsevaya (Borstel, Germany)

Disseminated tuberculosis is associated with more false negative interferon gamma release assay results compared to localized tuberculosis

Shagun Shah (, United Kingdom), Michael Eisenhut

Mutational profile of gyrA and gyrB genes associated with fluoroquinolones (FQs) resistance among drug resistant tuberculosis patients: an observational study

Vikram Bajjiya (Jodhpur, India), Chaina Ram Choudhary, Gopal Purohit, Ashok Kuwal, Ankita Mohanty

Variability of resistance of Mycobacterium tuberculosis based on whole genome sequencing in patients with MDR and XDR-TB in the Kharkiv region, Ukraine

Dmytro Butov (Kharkiv, Ukraine), Tetina Butova, Mykhailo Kuzhko, Oleksii Solodiankin, Nataliia Rudova, Anton Tkachenko, Michael Harris, Andrei Gabrielian, Darrell Hurt, Alex Rosenthal

The alternation of gut microbiome composition can predict latent tuberculosis infection status in poorly-controlled diabetic patients: A prospective case-control study

Jann-Yuan Wang (Taipei, Taiwan), Hung-Ling Huang, Inn-Wen Chong, Jinn-Moon Yang, Po-Liang Lu

Next generation sequencing reveals miR-431-3p and miR-1303 as immune-regulatory microRNA for active pulmonary tuberculosis through targeting MDR1/MMP16/RIPOR2 and ATG5 signaling

Yung-Che Chen (Kaohsiung, Taiwan), Chao-Chien Wu, Meng-Chih Lin, Chang-Chun Hsiao, Chiu Ping Lee

Role of complete-thoracentesis in TB-pleural-effusions, precluding residual-pleural-thickening, a case-control-study(300 cases)?

Abdul Rasheed Qureshi (Lahore, Pakistan), Muhammad Irfan

Utility of the provocation coupled with the drug reintroduction test in the diagnosis of a hypersensitivity reaction to fixed-dose combination (FDC) of anti-TB drugs

Aissa Sana (Sousse, Tunisia), Omrane Asma, Ben Jazia Rahma, Benzarti Wafa, Knaz Asma, Kacem Amani, Gargouri Imen, Abdelghani Ahmed, Hayouni Abdelaziz

Comparison of Indigenous tuberculin skin test (TST) antigen solution developed in India with Tubersol in diagnosing latent tuberculosis

Devasahayam Jesudas Christopher (Vellore (Tamil Nadu), India), Natesan Priya, Thangakunam Balamugesh, Barney Isaac, Prasanna Samuel

Study of CD27, CD38, HLA-DR and Ki-67 immune profiles for the characterization of active tuberculosis, latent infection and cured disease.

Sergio Díaz Fernández (Barcelona, Spain), Raquel Villar-Hernández, Zoran Stojanovic, Marco Antonio Fernández-Sanmartín, Maria Luiza De Souza-Galvão, Guillermo Tolosa, Adrián Sánchez-Montalva, Jorge Abad, María Ángeles Jiménez-Fuentes, Guillem Safont, Iris Romero, Josefina Sabrià, Cristina Prat, Jose Domínguez, Irene Latorre

Diagnostic accuracy of molecular assays for drug susceptibility testing of M.tuberculosis using a raw sputum and isolates strains.

Valeriu Crudu (Chisinau, Republic of Moldova), Sofia Alexandru, Nelly Ciobanu, Alexandru Codreanu, Ecaterina Noroc, Dumitru Chesov, Ted Cohen

Comparison of QuantiFERON-TB Gold Plus vs tuberculin skin test in a healthy population in Mexico

Adrian Rendon (Monterrey, Mexico), Adrian G. Rosas Taraco, Jorge Martín Llaca Díaz, Berenice Soto Monciváis, Adriana Gonzalez Gutierrez, María José Sánchez Otero, Aurora Eloísa Mercado Sánchez

Utility of GeneXpert MTB/Rif for detection of drug resistance in tuberculous pleural effusion(TPE) in high endemic areas

Radhika Banka (Mumbai (Maharashtra), India), Swapna Naik, Jai Mullerpattan, Lancelot Pinto, Zarir Udwadia, Camilla Rodrigues

Comparing drug susceptibility testing for drug resistant TB using TB PCR and WGS

Mirae Park (London, United Kingdom), Giovanni Satta, Onn Min Kon

The role of autophagy associated gene expressions in the progression from latent TB infection to active pulmonary TB disease

Ying-Tang Fang (Kaohsiung City., Taiwan), Yung-Che Chen

A retrospective audit assessing the efficacy of the GeneXpert test in diagnosing TB in a paediatric population

Robert White (LEICESTER, United Kingdom), Srin Bandi

Multiparameter immunoprofiling differentiates progressive from nonprogressive nontuberculous mycobacteria lung disease (NTM-LD)

Paige Marty (Rochester, United States), Balaji Pathakumari, Virginia Van Keulen, Maleeha Shah, Tobias Peikert, Patricio Escalante

Identification of lung macrophage secreted biomarkers for the development of rapid, accurate and affordable point-of-care tuberculosis diagnosis test suitable in low income settings.

Paulin Essone (Lambarene, Gabon), Bayode Adegbite, Ayodele Alabi, Bertrand Lell, Ayola Adegnika, Peter Kreamsner, Martin Grobusch, Selidji Agnandji

TP-8 Session 13:00 - 14:00**Thematic poster: Clinical consequences and systemic effects of obstructive sleep apnoea****Disease(s) :** Airway diseases Sleep and breathing disorders**Method(s) :** Epidemiology General respiratory patient care Physiology Public health Imaging Cell and molecular biology Surgery Pulmonary function testing**Chairs :** Raphael Heinzer (Lausanne, Switzerland), Carolina Lombardi (Milano (MI), Italy)**determinants of sleepiness and related polysomnographic variables in sleep apnea patients:cross sectional study**

Luci Suliman (Mansoura, Egypt), Raed Elmetwaley, Elshaima El-shimaa Sabry Mohamed

Hypoxic burden in patients with Obstructive Sleep Apnea and its correlation with other polygraphic parameters and subjective hypersomnia.

Thais Beauperthuy Levy (Valencia, Spain), Grace Oscullo Yopez, Marina Inglés Azorín, Alberto García-Ortega, Jose Daniel Gómez-Olivas, Amina Bekki, Miguel Ángel Martínez-García

Partners cannot help improve the accuracy of the Epworth Sleepiness Scale for assessment of Excessive Daytime Sleepiness

Bob Tielbeek (Maastricht, Netherlands), Susan Voncken, Umit Karaca, Astrid Kolfoort-Otte, Martijn De Kruif

Micro-sleep during MWT and risk of sleepiness at wheel or near-missing accidents

Francesco Fanfulla (Pavia (PV), Italy), Pasquale Tondo, Irene Risi, Caterina Pronzato, Marisa Bonsignore

Residual excessive daytime sleepiness (EDS) in Italian patients with obstructive sleep apnea (OSA) treated with continuous positive airway pressure (CPAP): preliminary results of the OSAREDS study

Maria Bonsignore (Palermo, Italy), Tommaso Sacco, Alberto Braghiroli, Francesco Fanfulla, Luigi Ferini-Strambi, Anna Lo Bue, Fabio Placidi, Andrea Romigi, Giuseppe Plazzi

Prevalence and predictors of Residual Sleepiness (RS) in Obstructive Sleep Apnea (OSA) Patients Treated with Positive Airway Pressure (PAP)

Michail Fanaridis (Heraklion, Greece), Izolde Bouloukaki, George Stathakis, Christina Ermidou, Violeta Moniaki, Eleni Mavroudi, Sophia Schiza

Obstructive Sleep Apnea and Fracture Risk

Daniela Krasimirova (Sofia, Bulgaria), Ventsislava Pencheva, Ognyan Georgiev, Daniela Petrova, Radoslav Bilyukov, Tzanko Mondeshki, Sevda Naydenska, Petko Shoshkov, Adelina Tzakova

Hepatic steatosis in patients with obstructive sleep apnoea syndrome

Manel Loukil Ben Ali (Nabeul, Tunisia), Warda Jelassi, Narjes Abid, Mechaal Ben Ali, Hedia Ghrairi

Hepatic dysfunction in patients with obstructive sleep apnea; prevalence and how to assess

Ali Abdelaziz (Minia, Egypt), Ahmed Kasem, Rabab Sedeek, Mahmoudm. Higazi, Ahmed Mady

Association with obstructive sleep apnea severity and heart rate variability

Soriul Kim (Seoul, Republic of Korea), Hye Ryeong Nam, Chol Shin

Impact of sleep-disordered breathing on premature ventricular complexes after cardiac surgery

Luise Schäffer (Regensburg, Germany), Annika Hofmann, Marcus Creutzenberg, Bernhard Flörchinger, Daniele Camboni, Christof Schmid, Lars Siegfried Maier, Stefan Wagner, Michael Arzt, Maria Tafelmeier

Obstructive sleep apnea and associations with lung function

Baz Delshad (Uppsala, Sweden), Mirjam Ljunggren, Xingwu Zhou, Jenny Theorell-Haglöw, Christer Janson, Ding Zou, Jan Hedner, Ludger Grote, Anders Blomberg, Karl A. Franklin, Carin Sahlin, Andrei Malinowski, Eva Lindberg

Association between gut microbiota and obesity in obstructive sleep apnea

Masako Ueyama (Tokyo, Japan), Ryuji Ohue, Hiroyuki Kokuto, Fumio Suzuki, Shinichi Oikawa, Hiroshi Kimura, Ikuo Kimura

Comparison of composite lipid indices in patients with obstructive sleep apnoea

Andras Bikov (Budapest, Hungary), Stefan Frent, Daniela Reisz, Alina Negru, Laura Gaita, Daniel Breban Schwarzkopf, Stefan Mihaicuta

Relationship between Neutrophil to lymphocyte ratio and platelet to lymphocyte ratio and the severity of obstructive sleep apnea syndrome

arbia chaieb (Tunis, Tunisia), Abir Hedhli, Mjid Mariem, Turki Chaima, Cheikhrouhou Sana, Merai Samira, Toujeni Sonia, Ouhachi Yassine, Dhahri Bessma

Apnea-hypopnea index of 5 per hour is a threshold for phosphatidylcholine-related metabolomic changes in patients with sleep complaints

Ott Kiens (Tartu, Estonia), Egon Taalberg, Viktoria Ivanova, Ketlin Veeväli, Ragne Tamm, Triin Laurits, Aigar Ottas, Kalle Kilk, Ursel Soomets, Alan Altraja

Inflammation and oxidative stress markers in obstructive sleep apnea patients

Anca Diana Maierean (), Damiana Maria Vulturar, Doina Adina Todea

The association between snoring and hearing loss in patients with obstructive sleep apnoea.

Emily Lawton (Adelaide, Australia), Mark Jurisevic, Kate Hobart, Jonathon Polasek, Andrew Fon

REM sleep apnoea and carotid intima thickness in men and womenA SHE-MUSTACHE Cohort Study

Mirjam Elisa Ljunggren (Uppsala, Sweden), Tord Naessén, Jenny Theorell-Haglöw, Karl Franklin, Eva Lindberg

Association of REM predominant obstructive sleep apnoea severity with depression and quality of life in adults with coronary artery disease in the RICCADSA cohort

Baran Balcan (Istanbul, Turkey), Yeliz Celik, Yuksel Peker

TP-10

Session

13:00 - 14:00

Thematic poster: Clinical treatment of asthma**Disease(s) :** Airway diseases Respiratory critical care**Method(s) :** Epidemiology General respiratory patient care Cell and molecular biology Pulmonary function testing Pulmonary rehabilitation Physiology Public health**Chairs :** Zuzana Diamant (Lund, Sweden), Pradeesh Sivapalan (Gentofte, Denmark)**Effect of once daily (o.d.) mometasone/indacaterol/glycopyrronium (MF/IND/GLY) vs o.d. MF/IND and twice daily (b.i.d.) fluticasone/salmeterol (FLU/SAL) with respect to age, age at asthma-onset and BMI at baseline: Subgroup analysis from IRIDIUM study**

Huib A.M. Kerstjens (Groningen, Netherlands), David Lawrence, Karen Mezzi, Dominic Brittain, Xavier Jaumont, Kenneth R. Chapman

A window of opportunity to prevent exacerbations in intermittent and mild persistent asthma

Miguel Lanz (Coral Gables, United States), Michael Pollack, Ileen Gilbert, Hitesh Gandhi, Joseph Tkacz, Njira Lugogo

Predictors of treatment response to high-dose ICS/LABA or medium-dose ICS/LABA+LAMA in asthma patients - TAILOR study

Katia Mc Verhamme (Rotterdam, Netherlands), Maria De Ridder, Peter Rijnbeek, Mees Mosseveld, Lars Pedersen, Ettore Marconi, Francesco Lapi, Cheryl Tan, Antonella Delmestri, Dani Prieto-Alhambra, Dani Prieto-Alhambra, Elena Nudo, Guy Brusselle

SABA-free asthma management challenged by refer id asthma questionnaire.

Luis Nannini (Rosario (Pcia. Santa Fe), Argentina), Nadia Brandan, Octavio Fernandez, Gabriela Chirino, Nadia Zuccarino, Francisco Rovira

Short and longer-term effects of tailored pulmonary rehabilitation for difficult-to-control asthma associated with elevated body mass index

Helen Clare Ricketts (Glasgow (Glasgow), United Kingdom), Femke Steffensen, Duncan S Buchan, Rekha Chaudhuri, Douglas C Cowan

Efficacy of once-daily medium- or high-dose mometasone/indacaterol/glycopyrronium (MF/IND/GLY) versus twice-daily high-dose fluticasone/salmeterol (FLU/SAL) to control nocturnal symptoms in patients (pts) with inadequately controlled asthma

Kenneth R. Chapman (Toronto (ON), Canada), Richard Van-Zyl Smit, Karen Mezzi, Dominic Brittain, Huib Am Kerstjens

Efficacy of once-daily (o.d.) indacaterol/glycopyrronium/mometasone (IND/GLY/MF) vs free combination of twice-daily salmeterol/fluticasone (SAL/FLU) & o.d. tiotropium with respect to age, age at asthma-onset & BMI at baseline: ARGON subgroup analysis

Richard Van Zyl-Smit (Cape Town, South Africa), David Lawrence, Karen Mezzi, Dominic Brittain, Xavier Jaumont, Christian Gessner

A randomized cross-over study comparing correct use and preference between two inhalers in patients with asthma

Job van der Palen (Enschede, Netherlands), David Slade, Manish Verma, Maximilian Plank

Asthma patient adherence to biologic and non-biologic treatments

Michelle Tan (London, United Kingdom), Kelly Kueh

Medication adherence and asthma control with once-daily indacaterol/glycopyrronium/mometasone (IND/GLY/MF) Breezhaler digital companion: interim analysis from Europe

Holger Woehrle (Ulm, Germany), Paul Mastoridis, David A Stempel, Leanne Kaye, Vy Vuong, Karen Mezzi

Medication adherence and asthma control with once-daily indacaterol/glycopyrronium/mometasone (IND/GLY/MF) Breezhaler digital companion: interim analysis from Japan and Germany

Holger Woehrle (Ulm, Germany), Paul Mastoridis, David A Stempel, Leanne Kaye, Vy Vuong, Karen Mezzi

Efficacy of indacaterol/glycopyrronium/mometasone (IND/GLY/MF) vs free combination of salmeterol/fluticasone (SAL/FLU) & tiotropium (TIO) in patients with uncontrolled asthma on prior LABA/ICS high-dose (GINA step 5): Results from ARGON study

Christian Gessner (Leipzig, Germany), David Lawrence, Karen Mezzi, Dominic Brittain, Richard Van-Zyl Smit

TriOptimize X: Improved adherence by extrafine single-inhaler triple therapy in real-world

Carl-Peter Criece (Bovenden, Germany), Frederik Trinkmann, Stephanie Gldenring, Nathalie Loeper, Valentina Bogoevska, Christian Gessner

Airway hyperresponsiveness in uncontrolled severe eosinophilic asthma with anti-IL5r

Rory Chan (Glasgow, United Kingdom), Chris Ruiwen Kuo, Sunny Jabbal, Cally Smith, Brian Lipworth

Bronchodilator responsiveness testing with inhaled budesonide/formoterol in asthma.

Luis Nannini (Rosario (Pcia. Santa Fe), Argentina), Nadia Neumayer, Nadia Brandan, Octavio Fernandez

Oral corticosteroid-related morbidity and mortality in asthma - a Danish nationwide cohort study

Inge Raadal Skov (Odense, Denmark), Hanne Madsen, Daniel Pilsgaard Henriksen, Jacob Harbo Andersen, Anton Pottegrd, Jesper Rmhild Davidsen

Determinants of type of step-up treatment following medium-dose ICS/LABA in asthma patients - TAILOR study

Katia Mc Verhamme (Rotterdam, Netherlands), Maria De Ridder, Peter Rijnbeek, Mees Mosseveld, Lars Pedersen, Francesco Lapi, Ettore Marconi, Cheryl Tan, Antonella Delmestri, Dani Prieto-Alhambra, Dani Prieto-Alhambra, Enena Nudo, Guy Brusselle

A Pilot Randomized Trial of As-needed Budesonide-formoterol for Stepping Down Controller Treatment in Asthma with Complete Remission

Narongwit Nakwan (Songkhla, Thailand), Thidarat Ruklerd, Pattarawadee Taptawee

Early lung function and asthma control test score after different biological therapy in severe asthmatics patients in real-life

María Eugenia Navarrete Rouco (Barcelona (Barcelona), Spain), Cinta Cumpli, Esmeralda Hernández, Juana Martínez-Llorens, Nuria Carballo, José González-García, Pilar Ausin

Once-daily Inhaled therapy and peak flowmetry: How effective in improving adherence and control of Asthma

Pramod Dadhich (Mumbai, India)

TP-16

Session

13:00 - 14:00

Thematic poster: Viral respiratory infections and primary ciliary dyskinesia

Disease(s) : Airway diseases Interstitial lung diseases Pulmonary vascular diseases Respiratory critical care Sleep and breathing disorders Thoracic oncology

Method(s) : Epidemiology General respiratory patient care Public health Imaging Pulmonary function testing Respiratory intensive care

Chairs : Myrofora Goutaki (Bern, Switzerland), Laura Petrarca (Roma (RM), Italy)

Bronchiolitis 2021-2022: the other viruses revenge

Meriem Mjid (Tunis, Tunisia), Fatma Khalsi, Imen Briki, Emna Ben Arab, Ines Trabelsi, Imen Belhadj, Khedija Boussetta

Variation in the pattern of childhood respiratory viral infections during the COVID-19 pandemic

Dana Pe'er Moscovich (Jerusalem, Israel), Diana Averbuch, Dana Wolf, Oded Breuer

Effects of the Covid-19 Pandemic on the nature of bronchiolitis in infants

Emma Smith (Kent, United Kingdom), Thomas Blyth, Miriam Fine-Goulden

Bronchiolitis vs. COVID-19: epidemiologic correlations from a single Pediatric Unit experience.

Claudio Cavalli (Cremona, Italy), Anna Vaccari, Alessandra C.F. Ferrari, Lorenza Bonetti, Elena Carboni, Filippo Puricelli, Gloria Fumagalli, Mariano S.S. Cosentino, Martina Soliani, Andrea E. Scaramuzza

Hospitalizations for acute bronchiolitis in infants after relaxation of COVID-19 mitigation strategies in Brazil.

Leonardo Pinto (Porto Alegre (RS), Brazil), Frederico Friedrich, Magali Lumertz, Lucas Montiel Petry, Marina Pieta, Marcos Brum, Marcelo Scotta, Marcus Jones, Renato Stein

Effectiveness of school or day-care center closure on rhinovirus infection during COVID-19 Pandemic

Jee Youn Oh (Seoul, Republic of Korea), Young Seok Lee, Juwhan Choi, Jae Kyeom Sim, Kyung Hoon Min, Gyu Young Hur, Sung Yong Lee, Jae Jeong Shim

Evolution of the frequency cases of infection COVID-19 among children in relation to the evolution of the pandemic

Tatiana Dumitras (Chisinau, Republic of Moldova), Rodica Selevestru, Diana Rotaru-Cojocari, Ana Goloborodico, Veaceslav Bozadji, Ion Negru, Ina Palii, Sergiu Gladun, Svetlana Sciuca

Hospitalizations Associated with COVID-19 Among Children in Republic of North Macedonia from September 2021 to January 2022

Filip Doksimovski (Skopje, North Macedonia), Sandra Petlichkovska, Elena Ginovska, Hristijan Nestorov, Katerina Boshkovska, Tanja Jakovska

Mild symptomatology of SARS-CoV-2 infection in children born very preterm

Gabriela Prado Peralta (Zürich, Switzerland), Mark Adams, Dirk Bassler, Alex Moeller, Giancarlo Natalucci, Susi Kriemler

Research priorities for Primary Ciliary Dyskinesia- experts' perspective

Myrofora Goutaki (Bern, Switzerland)

Low incidence and severity of SARS-CoV-2 infections in people with PCD

Eva Sophie Lunde Pedersen (Bern, Switzerland), Leonie D Schreck, Myrofora Goutaki, Sara Bellu, Fiona Copeland, Jane S Lucas, Claudia E Kuehni

Research priorities in Primary Ciliary Dyskinesia - patients' perspective

Yin Ting Lam (Bern, Switzerland)

Research priorities for Primary Ciliary Dyskinesia- experts' perspective

Myrofora Goutaki (Bern, Switzerland), Yin Ting Lam, Bruna Rubbo, Laura Behan, Jane S. Lucas

Research priorities in Primary Ciliary Dyskinesia - patients' perspective

Yin Ting Lam (Bern, Switzerland), Laura Behan, Katie Dexter, Lucy Dixon, Claudia E Kuehni, Eva S-L Pedersen, Jane Lucas, Myrofora Goutaki

Sinonasal features in patients with Primary Ciliary Dyskinesia - an EPIC-PCD study

Yin Ting Lam (Bern, Switzerland), Jean-François Papon, Mihaela Alexandru, Andreas Anagnostos, Miguel Armengot, Mieke Boon, Andrea Burgess, Nathalie Caversaccio, Suzanne Crowley, Sinan Ahmed. D. Dheyauldeen, Nagehan Emiralioğlu, Ela Erdem, Onder Gunaydin, Eric G. Haarman, Amanda Harris, Hasnaa Ismail Koch, Bulent Karadag, Céline Kempeneers, Sookyung Kim, Philipp Latzin, Natalie Lorent, Ugur Ozcelik, Charlotte Pioch, Anne-Lise Ml Poirrier, Ana Reula, Jobst Roehmel, Christine Van Gogh, Panayiotis Yiallourous, Myrofora Goutaki

Evaluating transmission electron microscopy as the sole laboratory test for clinically-suspected PCD cases in a South African public hospital.

Monica Birkhead (Johannesburg, South Africa), Sam Otido, Theodore Mabaso, Refiloe Mopeli, Charl Verwey, Ziyaad Dangor

Body composition in Primary Ciliary Dyskinesia, does it matter?

René Gaupmann (Wien, Austria), Klara Schmidthaler, Sabine Renner, Zsolt Szépfalusi, Eleonora Dehlink

PICADAR - is there a need for a separate paediatric score?

Kirsten Wallace (West Calder, United Kingdom), Zoe Johnstone, Stefan Achim Unger, Kirstin Unger

Anxiety and depression in children with primary ciliary dyskinesia – Experience from a tertiary respiratory centre in the northwest United Kingdom

David Wood (Manchester, United Kingdom), Anirban Maitra

Depression, anxiety and sleep quality of caregivers of children with spinal muscular atrophy

Pinar Ergenekon, Zeynep Gumus, Cansu Yilmaz Yegit, Muruvvet Yanaz, Aynur Gulieva, Mine Kalyoncu, Merve Selcuk, Seyda Karabulut, Gulden Ozturk, Ela Erdem Eralp, Olcay Unver, Bulent Karadag, Yasemin Gokdemir

Late Breaking Abstract - Increase of high flow nasal cannulas use after the pandemic in bronchiolitis: a more severe disease or a changed physician's attitude?

Sergio Ghirardo (Trieste, Italy), Giorgio Cozzi, Giovanna Tonin, Francesco Maria Risso, Laura Dotta, Alessandro Zago, Daniela Lupia, Paola Cogo, Nicola Ullmann, Antonella Coretti, Raffaele Badolato, Alessandro Amaddeo, Egidio Barbi, Renato Cutrera

Late Breaking Abstract - Prevalence of chronic respiratory disease in Australian Aboriginal children

Pamela Laird (Perth, Australia), Rachel Foong, Shekira Brahim, Elizabeth Mc Kinnon, Matthew Cooper, Roz Walker, Elizabeth Smith, Anne Chang, André Schultz

TP-15

Session

13:00 - 14:00

Thematic poster: Influence of infections, risk factors and biomarkers in paediatric asthma**Disease(s) :** Airway diseases**Method(s) :** Epidemiology Pulmonary function testing Public health General respiratory patient care Cell and molecular biology Palliative care Respiratory intensive care**Chairs :** Susanne J. H. Vijverberg (Utrecht, Netherlands), Eckard Hamelmann (Bielefeld, Germany)**Exposure to bushfire smoke is associated with clinical significant decrease in lung function in asthmatic children during the 2019/2020 Australian bushfire**

Carla Rebeca Da Silva Sena (Newcastle, Australia), Olivia Lines, Mariyam Shaya Latheef, Guvani Gaveshika Amarasinghe, Wei Han Quah, Tesfalidet Beyene, Joseph Van Buskirk, Ivan Hanigan, Geoff Morgan, Christopher Oldmeadow, Lauren Platt, Kasey Pearce, Vanessa Murphy, Peter G Gibson, Wilfried Karmaus, Adam Collison, Koert Dewaal, Joerg Mattes

Have you heard about Air Pollution?

Abigail Whitehouse (London, United Kingdom), Rachel Parker, Victoria Hadaway

Impact of COVID-19 related alterations in circulating respiratory viruses on children and adult patients with recurrent wheeze and asthma

Nicole Maison (München, Germany), Ana Peck, Alexander Hose, Jimmy Omony, Bianca Schaub, Ruth Grychtol, Anna-Maria Dittrich, Catharina Nitsche, Svenja Foth, Markus Weckmann, Mustafa Abdo, Thomas Bahmer, Klaus F. Rabe, Harald Renz, Gesine Hansen, Matthias V. Kopp, Erika Von Mutius

Differences in COVID-19-triggered pediatric asthma exacerbations across variant waves

Kristina Gaietto (Pittsburgh, United States), Oliver Snyder, Nicholas Bergum, Leigh Anne Dicicco, Sherry Rauenswinter, Jennifer Iagnemma, David Wolfson, Traci Kazmerski, Erick Forno

Living with the risk of being infected: Asthma patients' experiences during the Covid-19 pandemic.

fatiha bounoua (AGADIR, Morocco), Abdelkrim Khannous, Houda Moubachir, Hind Serhane

Late Breaking Abstract - Parental socioeconomic status, access to specialist care, and childhood asthma severity, control, and exacerbations

Kjell Erik Julius Håkansson (København N, Denmark), Silvia Cabrera Guerrero, Vibeke Backer, Charlotte Suppli Ulrik, Deepa Rastogi

Follow-up of severe asthmatic children during COVID-19 pandemic: A comparative analysis

Gabriela Peláez (Buenos Aires, Argentina), Verónica Giubergia, Juan Manuel Figueroa, Claudio Castaños

The prevalence, severity and risk factors of asthma in school-going adolescents in KwaZulu Natal, South Africa.

Reratilwe Mphahlele (Durban (Kwazulu Natal), South Africa), Refiloe Masekela

Impact of moisture / mould exposure on asthma control in children: the CHAMPIASTHMA study

Stéphanie Lejeune (Lille, France), Margaux Sauvere, Flore Chagnon, Camille Cisterne, Clémence Mordacq, Caroline Thumerelle, Héloïse Ducoin, Manuella Scalbert, Armelle Le Mée, Mohamed Amani, Sawsan El Mourad, Sophie Encherry, Guillaume Pouessel, Juliette Roussel, Maxime Dartus, Emilie Fréal, Elodie Drumez, Antoine Deschildre

Allergen sensitization patterns in the French COBRAPed cohort

Stéphanie Lejeune (Lille, France), Naïm Bouazza, Pascale Roland Nicaise, Valérie Jolaine, Léa Roditis, Christophe Marguet, Véronique Houdoin, Patrick Berger, Michael Fayon, Jean-Christophe Dubus, Isabelle Pin, Philippe Reix, Mathieu Pellan, Jacques Brouard, Raphael Chiron, Lisa Giovannini-Chami, Jacques De Blic, Antoine Deschildre, Guillaume Lezmi

Is the measurement of particles in exhaled air feasible and useful in children with suspected asthma?

Laura Healy (Manchester, United Kingdom), Fahad Al-Huda, Emma Barrett, Lisa Willmore, Rhys Tudge, Gina Kerry, Clare S Murray, Angela Simpson, Stephen Fowler

Factors associated with severe asthma in children

Jenny Libeth Jurado Hernández (Bogotá, Colombia), Iván Francisco Álvarez Orozco, Mario Barreto, Gabriel Oscar Sinfontes Rodríguez, Natalia Becerra Uribe, Luis Fernando Giraldo Cadavid

Adult Follow-up of Children with Severe Asthma

Manon Lasseur (Montreuil, France), Camille Taillé, Véronique Houdouin, Stéphanie Wanin, Flore Amat

Role of sex and puberty on respiratory outcomes

Marina Attanasi (Chieti (CH), Italy), Annemiek Mian, Evelien R. Van Meel, Sophie M. Blaauwendraad, Vincent W.V. Jaddoe, Liesbeth Duijts

The impact of the Mediterranean diet on rhinitis prevalence

Francisco-Javier Gonzalez Barcala (Santiago de Compostela, Spain), Antonio Acevedo-Prado, María-Teresa Seoane-Pillado, Angel López-Silvarrey, Sonia Pértega, Francisco-Javier Salgado, Juan José Nieto-Fontarigo, Miguel-Angel San-José-González, Juan Sánchez-Lastres, Manuel Sampedro, Teresa Pérez-Castro, Luciano Garnelo, Luis Bamonde

Trajectories Of Asthma-symptom And Their Association With Family Environmental Factors Among Children In Australia: Evidence From A National Birth Cohort Study.

K M Shahunja (Brisbane, Australia), Peter D Sly, Abdullah Mamun

Better COVID-19 outcomes in children with good asthma control

Jasna Rodman Berlot (Ljubljana, Slovenia), Malena Aldeco, Dušanka Lepej, Marina Praprotnik, Saša Šetina Šmid, Aleksandra Zver, Uroš Krivec

Environmental exposures and recurrent wheeze in early childhood: a time-to-event study

Nithiseelan Rajen Naidoo (Durban, South Africa), Kareshma Asharam, Prakash Jeena, Aweke Mitku

Housing and health – impact of mould on children with asthma

Abigail Whitehouse (London, United Kingdom), Victoria Hadaway, Rachel Parker

Respiratory (RA) & Non-IgE(NIgE) allergies both increase Respiratory Effort(RE) during sleep, implicating a common pathophysiology mechanism in Obstructive Sleep Apnoea(OSA)asthma associated. Asthma treatment (AT) decrease Apnoea Hypopnea Index(AHI).

Kalomoiira Kefala (Paris, France), François Lavaud, Philippe Guerin

TP-18

Session

13:00 - 14:00

Thematic poster: Nursing interventions in various respiratory areas

Disease(s) : [Interstitial lung diseases](#) [Airway diseases](#) [Sleep and breathing disorders](#) [Pulmonary vascular diseases](#)

Method(s) : Palliative care Pulmonary rehabilitation Public health General respiratory patient care Epidemiology Pulmonary function testing Physiology

Chairs : Rui Pedro Marques da Silva (Sobreira – Paredes, Portugal), Sabina Miranda Valladares (La Laguna, Spain)

Audit of council-level clean air policies for schools in England

Chloe John (Liverpool, United Kingdom), Beth Lawrence, Ian Sinha, Alice Lee

Managing patients with respiratory diseases: burnout among HCP

Tomi Kovačević (Sremska Kamenica, Republic of Serbia), Bojan Zaric, Ivan Mikov, Darijo Bokan

Cognitive impairment in long COVID syndrome patients one year after infection

Javier Martín Núñez (Granada, Spain), Alba Navas Otero, Paula López López, Irene Torres Sánchez, Ángela Benítez Feliponi, Irene Cabrera Martos, Marie Carmen Valenza

A literature review of allergen management in Children with Type 2-high Asthma

Madeleine Gray-french (Leicester, United Kingdom), Ian Sinha, Elissa Abrams, Ricardo Fernandes, Lynsey Brown

HOW MUCH DO WE SLEEP AND HOW MUCH DO WE KNOW ABOUT SLEEP?

Maria Isabel Portela Ferreño (Pontevedra, Spain), Angel Piñeiro Lopez, Alejandro Pastor Campo, Arthur Yesayan, Tania Rivera Baltanas, Robert Alarcón Cedeño

The effect of the respiratory rehabilitation depends on the level of anxiety and depression.

Sabina Miranda Valladares (La Laguna, Spain), Marta Perez Redondo, Marta Entrambasaguas Martin, Belen Gonzalez Sanchez, Maria Jesus Prunera Pardell, Adolfo Domenech Del Rio

Exacerbation risk factors in bronchiectasis colonized by Pseudomonas aeruginosa

Leticia Bueno Freire (Barcelona, Spain), Victoria Alcaraz Serrano, Nil Vázquez Burgos, Andrea Palomeque Flores, Patricia Oscanoa Huamán, Roberto Cabrera Ortega, Rubén López Aladid, Rosanel Amaro, Adrián Ceccato, Laia Fernández Barat*, Antoni Torres*

Abdominal Haematomas following subcutaneous heparin injections in COVID19 patients; Food for thought in daily practice.

Elli Keramida (Athens, Greece), Georgia Hardavella, Elena Bellou, Irma Bracka, Antonis Xipolitos, Maria Salomidou, Thodoris Daskalos, Ioannis Karampinis, Nikolaos Anastasiou, Despoina Zorpidou, Panagiotis Demertzis

Performance of The Modified Viral and Bacterial Filter during Aerosol Inhalation Therapy

Ting Yu (Changchun, China), Hongjing Lin, Zeyu Qin, Fanying Yu

Effectiveness of the "AsmaSemCrise" programme in asthma control

Liliana Silva (Matosinhos, Portugal), Luciana Rodrigues

Nurses with workplace violence in pneumology settings during Covid-19

Francesca NAPOLITANO (Genova, Italy), Annamaria Bagnasco, Gianluca Catania, Nicola Pagnucci, Rosaria Alvaro, Giancarlo Cicolini, Alberto Dal Molin, Loreto Lancia, Maura Lusignani, Daniela Mecugni, Paolo Carlo Motta, Roger Watson, Mark Hayter, Milko Zanini, Loredana Sasso

Effectiveness of Fan therapy in breathlessness management in Fibrotic Interstitial lung disease.

Helen Morris (Manchester (Greater Manchester), United Kingdom), Katie Zakis, Jenna Swale, Conal Hayton

Prognostic value of the distance walked in the 6-minute walk test and the desaturation-distance ratio (DDR) in patients who will receive hematopoietic stem-based transplantation (HSCT).

Rodrigo Torres Castro (Barcelona, Spain), Yolanda Torralba García, Xavier Alsina Restoy, Jordi Vilaró, Isabel Blanco

Patient perspective on antifibrotic monitoring - impact on management at a single UK prescribing centre

Carmine Ruggiero (Oxford, United Kingdom), Shakila Hussain, Karen Parsons, Sarah Poole, Raashid Luqmani, Vishal Nathwani, Sabrina Zulfikar, Emily Fraser, Peter Saunders, Ling-Pei Ho, Rachel Hoyles

Development of a core competency-based curriculum in respiratory nursing – A nationwide Delphi study

Silvia Loua Henriksen (Lyngby, Denmark), Marie Albrechtsen Paine, Charlotte Sandau Bech, Lea Baunegaard Hvidberg

Respiratory nursing post-COVID consultation

Miriam Dominguez Blasco (Sevilla, Spain), Carlos Carrera Cueva, María Rosario Ruiz Serrano De La Espada, Pedro Francisco García Tamayo, María Dolores Nuñez Ollero, María Dolores Ucero León

Nebulised medications in secondary care: Rising to the challenge

MAX BETTANY (Liverpool, United Kingdom)

TP-3 Session 13:00 - 14:00**Thematic poster: Chronic management of respiratory diseases**

Disease(s) : **Airway diseases** **Interstitial lung diseases**

Method(s) : Pulmonary rehabilitation Epidemiology Physiology General respiratory patient care Public health

Chairs : Beatriz Abascal Bolado (Santander, Spain), Natasha Smallwood (Melbourne (VIC), Australia)

The minimum important difference for the PREM-9 following a course of Pulmonary Rehabilitation (PR)

Emma Chaplin (Leicester (Leicestershire), United Kingdom), David Coope, Jakub Zatloukal, Sarah Ward, Sally J Singh, Linzy Houchen-Wolloff

Physical activity promotion interventions in chronic airways disease: preliminary findings from a scoping review and meta-analysis

Caroline Reilly (Leeds, United Kingdom), Joe Sails, Rebecca Birch, Ian Clifton, Daniel Peckham, Jim Mckenna, Antonios Stavropoulos-Kalinoglou, Oliver Price

Using technology to engage patients with interstitial lung diseases in a home exercise program: a pilot study

Diana C Sanchez-Ramirez (Winnipeg, Canada)

The lived experiences of people with idiopathic pulmonary fibrosis (IPF) to inform Home Based Pulmonary Rehabilitation (HBPR) in Delhi, India: A Qualitative Study

Humaira Hanif (Noida, India), Obaidullah Ahmed, Rubia Ishrat, Ilaria Pina, Mark W Orme, Zahira Ahmed, Mohd Shibli, Andy Barton, Deepak Talwar, Sally Singh

Does personality predict physical activity and sedentary behaviors after pulmonary rehabilitation in patients with chronic respiratory diseases ?

Pauline Caille (LODEVE, France), Yannick Stephan, François Alexandre, Virginie Molinier, Nelly Héraud

Perceptions of patients about Pulmonary Rehabilitation (PR) in Bangladesh

G M Monsur Habib (Khulna, Bangladesh), Roberto Rabinovich, Nazim Uzzaman, Kamrun Nahar, Sumaiya Akter, Hilary Pinnock

Feasibility study of home-based pulmonary rehabilitation (PR) in Bangladesh

G M Monsur Habib (Khulna, Bangladesh), Roberto Rabinovich, Nazim Uzzaman, Kamrun Nahar, Sumaiya Akter, Hilary Pinnock

Effect of virtual pulmonary rehabilitation among patients with Chronic Obstructive Pulmonary Disease

Aldrin John Almario (Quezon City, Philippines), Glynna Ong-Cabrera

Comparison of the effectiveness of different telerehabilitation methods on exercise capacity, dyspnea and quality of life in COPD patients

Nursima Bulut (Istanbul, Turkey), Esra Pehlivan, Erdoğan Çetinkaya, Barış Demirkol, Melih Akay Arslan, Kürşad Nuri Baydili, Halit Çınarka

Late Breaking Abstract - A long road to recovery? Reduced quality of life, impaired functional status and the lived experience of Long COVID patients, a cohort analysis.

Mark Faghy (Nottingham (Nottinghamshire), United Kingdom), Rebecca Owen, Ruth Ashton

Sing-a-Lung: Does Singing for Lung Health provide physiological changes in COPD?

Uffe Bodtger (Naestved, Denmark), Mette Kaasgaard, Daniel Bech Rasmussen, Anders Løkke, Peter Vuust, Ole Hilberg

Home oxygen therapy before, during, and after the COVID-19 pandemic: our reality

Ramon Antonio Toribio Abreu (Santo Domingo, Dominican Republic), Sheila Espinal

Differentiating acute heart failure from exacerbations of COPD: An AI-supported literature review

Sanne H B van Dijk (Enschede, Netherlands), Marjolein G J Brusse-Keizer, Charlotte C Bucsán, Carine J M Doggen, Job Van Der Palen, Anke Lenferink

A systematic review of shared decision-making interventions for people living with chronic respiratory diseases

Amy Barradell (Leicester (Leicestershire), United Kingdom), Charlotte Gerlis, Linzy Houchen-Wolloff, Hilary Bekker, Noelle Robertson, Sally Singh

Impact of pulmonary rehabilitation on the social support of people with COPD

Alda Sofia Pires De Dias Marques (Aveiro, Portugal), Sara Almeida, Patrícia Rebelo, Guilherme Rodrigues, Eduardo Samuel, Carolina Monteiro, Ana Grave, Cíntia Dias, Cristiana Santos, Adriana Simões, Cláudia Rodrigues, Sílvia Marques, Ana Carolina Conde Oliveira, Ana Sofia Rijo, Maria João Moura, Maria Aurora Mendes

Effectiveness of home-based pulmonary rehabilitation: systematic review and meta-analysis

Md Nazim Uzzaman (Edinburgh, United Kingdom), Dhiraj Agarwal, Soo Chin Chan, Julia Patrick Engkasan, G M Monsur Habib, Nik Sherina Hanafi, Tracy Jackson, Paul Jebaraj, Ee Ming Khoo, Fatim Tahirah Mirza, Hilary Pinnock, Ranita Hisham Shunmugam, Roberto A. Rabinovich

Accelerometer adherence and physical activity levels for adults living with post-TB lung disease in Uganda

Wincelous Katagira (Kampala, Uganda), Pauline Ndagire, Pina Ilaria, Richard Kasiita, Sally J. Singh, Bruce J. Kirenga, Mark W. Orme

The influence of adherence to COPD exacerbation action plans on health outcomes

Jade Schrijver (Enschede, Netherlands), Tanja Effing, Joanke Van Helden, Marjolein Brusse-Keizer, Job Van Der Palen, Paul Van Der Valk, Anke Lenferink

Impact of fatigue on physical performance during a pulmonary rehabilitation program in COPD patients

François Alexandre (Lodeve, France), Virginie Molinier, Amandine Calvat, Adriana Castanyer, Laurene Charbonnel, Thomas Henry, Louis Hognon, Morgane Jollive, Aurelien Marcenac, Antonin Vernet, Nelly Heraud

Pulmonary rehabilitation and changes in aerobic capacity, peak respiratory pressures and quality of life in Colombian patients with bronchiectasis

Lina Marcela Orozco Mejia (Cali, Colombia), Julián Andrés Rivera Motta

TP-13

Session

13:00 - 14:00

Thematic poster: Obstructive lung diseases: trends, diagnosis and management

Disease(s) : **Airway diseases**

Method(s) : Epidemiology Public health General respiratory patient care Pulmonary function testing

Chairs : Branislava Milenkovi (Beograd, Republic of Serbia), AYCAN YUKSEL (Ankara, Turkey)

Co-morbidities in COPD patients with Arg16Gly polymorphism of ADRB2 gene

Kostiantyn Dmytriiev (Vinnitsya, Ukraine), Yuriy Mostovoy, Nataliia Slepchenko, Yuliia Smereka, Dmytro Dmytriiev, Kateryna Dmytriieva

Respiratory health inequalities exponentially impact the most deprived tertile

Alice Lee (Liverpool, United Kingdom), Carlos Echevarria, Daniel Hawcutt, Ian Sinha

Long-term oxygen therapy in Catalonia over 18 years

Julia Tarrega Camarasa (Granollers, Spain), Alejandra Marín Arguedas

Disease burden and healthcare contact behaviour across care sectors in asthma

Kjell Erik Julius Håkansson (København N, Denmark), Vibeke Backer, Charlotte Suppli Ulrik

Healthcare resource consumption and care pathway of patients who died from asthma in France

Laurent Guilleminault (Toulouse Cedex, France), Michael Mounié, Agnès Sommet, Claire Camus, Alain Didier, Laurent Reber, Nadège Costa, Cécile Conte

Pharmacovigilance in Brazil: safety of budesonide-formoterol

Rafael Miranda (Santo Andre (SP), Brazil), Antonio Vattimo, Jana Fonseca, Marina Ramos, Ariane Oliveira, Karen Barbosa, Stevin Zung

Amongst chronic conditions, respiratory diseases are most inextricably linked to socioeconomic deprivation

Alice Lee (Liverpool, United Kingdom), Carlos Echevarria, Daniel Hawcutt, Ian Sinha

Characteristics of patients developing depression after hospitalization for COPD

Johanne Hermann Karlsen (Randers C, Denmark), Christian Torp-Pedersen, Kristian Hay Kragholm, Ulla Møller Weinreich, Peter Jacobsen

Parental COPD as a risk factor for developing COPD and disease severity in offspring – a systematic scoping review

Melina Sikjær (Egå, Denmark), Allan Sørensen, Ole Hilberg, Anders Løkke

Co-morbidities in COPD patients with Gln27Glu polymorphism of ADRB2 gene

Kostiantyn Dmytriiev (Vinnitsya, Ukraine), Yuriy Mostovoy, Nataliia Slepchenko, Yuliia Smereka, Dmytro Dmytriiev

Observational cohort study of pulmonary exacerbations in alpha-1 antitrypsin deficiency

Paul Ellis (Solihull, United Kingdom), Michael Newnham, John Ripollone, Mark Forshag, Alice Turner

Development and validation of a clinical model to identify candidates for allergic rhinitis pre-exposure prophylaxis: a multi-center study

Wenting Luo (Guangzhou (Guangdong), China), Baoqing Sun

HAS MORTALITY FROM COPD DECREASED IN SPAIN IN THE LAST TWO DECADES?

Gema Ramirez Rodriguez (Granada, Spain), Ana Quesada-Quesada, Antonio Menéndez-Lobo, Alejandro Romero-Linares, Bernardino Alcázar-Navarrete

Retrospective study characterising clinical manifestations and treatment patterns of hypereosinophilic syndrome in Europe

Lee Baylis (Apex, United States), Jeremiah Hwee, Rupert W Jakes, Lynn Huynh, Namhee Kwon, Rafael Alfonso-Cristancho, Gema Requena, Shawn Du, Anamika Khanal, Mei Sheng Duh

Prognosis of patients with COPD not eligible for major clinical trials

Shoab Afzal (Herlev, Denmark), Yunus Çolak, Børge G. Nordestgaard, Peter Lange, Jørgen Vestbo

Where and when: The diagnostic setting and age at diagnosis for Danish COPD-patients - a nationwide registry study

Peter Ascanius Jacobsen (Aalborg, Denmark), Kristian Kragholm, Christian Torp-Pedersen, Ulla Møller Weinreich

Chronic airflow limitation and respiratory symptoms in relation to smoking in a general middle-aged population

Magnus Sköld (Stockholm, Sweden), Anders Blomberg, Per Liv, Carl Johan Östgren, Jan Engvall, Andrei Malinovski, Gunnar Engström, Kjell Torén

Title: Development of a Community Screening tool for COPD in India: The OSCAR study

Deesha Ghorpade (Pune (Maharashtra), India), Jyoti Londhe, Sapna Madas, Anchala Raghupathy, Nisha Kale, Arvinder Narula, Reshma Patil, Prakash P R Doke, Sundeep Salvi

The role of birth order and sibship size in the pathogenesis of asthma is independent of living standards

Daniil Lisik (Gothenburg, Sweden), Athina Ioannidou, Gregorio Paolo Milani, Sungkutu Nyassi, Saliha Selin Özyüğürmis, Giulia Carla Immacolata Spolidoro, Hannu Kankaanranta, Emma Goksör, Göran Wennergren, Bright Ibeabughichi Nwaru

TP-17

Session

13:00 - 14:00

Thematic poster: Respiratory physiology assessment: choosing the right test for the patient**Disease(s) :** Airway diseases Interstitial lung diseases Sleep and breathing disorders**Method(s) :** General respiratory patient care Physiology Pulmonary function testing Epidemiology Public health Imaging
Respiratory intensive care**Chairs :** Ana Lutas (São Domingos de Rana, Portugal), Chair to be confirmed**Borg ratings of dyspnea and leg fatigue during exercise testing**

Maaike Dunnink (Staphorst, Netherlands), Irene Steenbruggen

Validity and symptom burden of impulse oscillometry (iOS) in idiopathic pulmonary fibrosis (IPF)

Suhani Patel (London, United Kingdom), Karl Sylvester, Zhe Wu, Claire Nolan, Toby Maher, Philip Molyneaux, William Man

Diagnostic work-up of asthma: more than spirometry

Caspar Schiffers (Vienna, Austria), Emiel Wouters, Alina Ofenheimer, Tobias Mraz, Patricia Puchhammer, Marie-Kathrin Breyer, Renaud Louis, Wolfgang Pohl, Otto Chris Burghuber, Sylvia Hartl, Robab Breyer-Kohansal

Accuracy of three different peak flow devices, a pilot study

Martijn Cuijpers (Roermond, Netherlands), Richard Bonné, Herman Jan Pennings

Personal respiratory profiles assessed at rest ventilometry distinguished asthmatic from COPD patients

Patrick Hanusse (Pessac, France), Pierantonio Laveneziana, Fabien Beaufils, Julie Joie, Christian Straus, Pierre-Olivier Girodet, Thomas Similowski, Patrick Berger

Personal respiratory profiles assessed at rest ventilometry predict phenotypes of asthmatic patients

Patrick Hanusse (Pessac, France), Fabien Beaufils, Julie Joie, Pierantonio Laveneziana, Christian Straus, Thomas Similowski, Pierre-Olivier Girodet, Christophe Pison, Patrick Berger

Pulmonary function tests in COVID-19 pandemic: The thoughts and concerns of the patients

Bilun Gemicioğlu (Istanbul, Turkey), Ilgim Vardaloglu, Kamile Tombul, Nihal Ensen, Gunay Can, Sermin Borekci

Understanding the pathophysiology of COVID-19: Are we investigating survivors appropriately?

Ian Cliff (Stoke-on-Trent, United Kingdom), Imran Hussain, Naveed Mustafa, Charlotte Johnson, Helen Stone

Correlation between multiple breath washout and spirometry in young cystic fibrosis children with pancreatic sufficiency

Federico Alghisi (Roma (RM), Italy), Matteo De Marchis, Sergio Bella, Fabiana Ciciriello, Alessandra Federici, Alessandro Giovanni Fiochi

Can remote monitoring of lung disease lead to more efficient patient care?

Vicky Moore (Birmingham (West Midlands), United Kingdom), Sherwood Burge, Christopher Huntley, Alastair Robertson, Gareth Walters

Agreement of three continuous oximetry devices in COPD patients, users of supplementary oxygen and noninvasive ventilation.

Roberto Vera Uribe (Santiago, Chile), Nicolás Sepúlveda Cáceres, Francisca Figueroa, Javiera Rosales Fuentes, Paula Urrutia, Constanza Hernandez, Francisca Zarricueta, Alvaro Olivares, María Elena Torres, Rodrigo Torres-Castro

Cardiopulmonary Exercise Testing (CPET) Service Utilisation: Backlog to the Future

Max Thomas (Birmingham, United Kingdom)

Respiratory profiles assessed by rest ventilometry predict response to bronchodilator of COPD patients

Patrick Hanusse (Pessac, France), Pierantonio Laveneziana, Fabien Beaufils, Julie Joie, Christian Strauss, Pierre-Olivier Girodet, Patrick Berger, Thomas Similowski

Body plethysmography interpretation using ECSC versus GLI2019 reference equations

Tânia Duarte (Caparica, Portugal), Catarina Rijo, Mafalda Loureiro, Susana Sousa, Paula Duarte

Effects of Covid-19 pneumonia on submaximal exercise tolerance

Salma Mokaddem Mohsen (Tunis, Tunisia), Asma Chaker, Nadia Ben Lazreg, Khoulood Kechaou, Molk Maalej, Saloua Ben Khamsa Jameleddine

Comparing ultrasonic and breath-actuated jet nebulisers for sputum induction

Paula Cristina Andrade Almeida (Aracaju (SE), Brazil), Katherine Smith, Glenn Hearson, Matthew J. Martin, Tim W. Harrison

Evaluation of the Global Lung Initiative 2012 reference values for spirometry in China a national cross-sectional study

Feilong Wang (Shanghai, China), Kun Wang, Cole Bowerman, Hogne Ulla, Jiaying Sun, Marko Topalovic, Sanja Stanojevic, Qiang Li

Post-Covid Interstitial Lung Disease (PC-ILD): the role of pulmonary function testing and lung imaging in the long-term follow-up of patients with COVID-19 pneumonia

Daniela Pellegrino (Roma, Italy), Arianna Sanna, Emanuele Messina, Leonardo Maria Siena, Valentina Baccolini, Letizia D'Antoni, Pia Baiocchi, Paolo Villari, Carlo Catalano, Valeria Panebianco, Paolo Palange

Late Breaking Abstract - Smallest detectable change (SDD) of absolute lung volumes by bodyplethysmography

Herman Groepenhoff (Lijnden, Netherlands), Margriet Kaldenbach, Andreas Waldmann

TP-20

Session

13:00 - 14:00

Thematic poster: COVID basic science**Disease(s) :** Respiratory critical care Interstitial lung diseases Pulmonary vascular diseases Airway diseases**Method(s) :** General respiratory patient care Cell and molecular biology Epidemiology Respiratory intensive care Endoscopy and interventional pulmonology Public health**Chairs :** Holly R. Keir (Dundee (Angus), United Kingdom), Natalia El-Merhie (Giessen, Germany)**Experimental SARS-CoV-2 human challenge in young adults**

Alex Mann (London, United Kingdom), Ben Killingley, Mariya Kalinova, Arun Anandakumar, Alison Boyers, Brandon Londt, Nicolas Noulin, Christopher Chiu, Andrew Catchpole

Dynamics and Heterogeneity of the Lung Immunopathology in Severe COVID-19

Jonas Erjefalt (Lund, Sweden), Natália De Souza Xavier Costa, Jimmie Jönsson, Olga Cozzolino, Katia Dantas, Carl-Magnus Clausson, Premkumar Siddhuraj, Caroline Lindö, Suzete Ferreira Spina Lombardi, Alfredo Mendroni Júnior, Leila Antonangelo, Caroline Silvério Faria, Amaro Nunes Duarte Neto, Renata De Almeida Monteiro, João Rebello Pinho, Michele Soares Gomes-Gouvêa, Roberta Verciano Pereira, Jhonatas Sirino Monteiro, João Setubal, Ellen Pierre De Oliveira, Jair Theodoro Filho, Caroline Sanden, Jamie Orengo, Matthew Sleeman, Luiz Ferraz Da Silva, Paulo Nascimento Saldiva, Marisa Dolhnikoff, Thais Mauad

Impact of the NRF2 activator, stabilised synthetic sulforaphane, on systemic inflammation in COVID19: results from the STAR-COVID19 trial

Merete Bridget Long (Dundee, United Kingdom), Yan Hui Giam, Hani Abo-Leyah, Rebecca C Hull, Holly R Keir, Thomas Pembroke, Daniela Alferes De Lima, Benjamin J M New, Sarah Inglis, Thenmalar Vadiveloo, Graeme MacLennan, Amy Gilmour, Chloe Hughes, Lilia Delgado, Alben T Dinkova-Kostova, James D Chalmers

Covid-19 and Cytokine Storm

Lucia Lopez Vergara (Zaragoza, Spain), Laura Torralba, Cristina De Diego, Ana Lasiera, Raquel Lahoz, Claudia Abadía, Pablo Ruiz De Copegui, Javier Godino, Alberto Cebollada, Beatriz Jimeno, Salvador Bello

Lymphocytic exhaustion in Covid-19 patients

Cristina De Diego Ramos (Zaragoza, Spain), Laura Torralba, Lucía López, Pablo Ruiz De Gopegui, Raquel Lahoz, Claudia Abadía, Ana Lasiera, Alberto Cebollada, Javier Godino, Beatriz Jimeno, Salvador Bello

A study on the morbid histopathological changes in COVID-19 patients with or without comorbidities using minimally invasive tissue sampling

Animesh Ray (Kolkata (West Bengal), India), Ayush Goel, Deepali Jain, Prasenjit Das, Sudheer Arava, Geetika Singh, S Arulsevi, Naveet Wig

The features of thrombogenesis in COVID-19-associated pneumonia compared to bacterial pneumonia: the key role of fibrinolysis

Kseniia Bielosludtseva (Dnepropetrovsk, Ukraine), Mariia Krykhtina, Katerina Dyahovets

Cells and cytokines analysis in bronchoalveolar lavage (BAL) fluid during or after non-severe COVID-19 pneumonia.

Camille Rolland-Debord (clermont-ferrand, France), Laurence Pieroni, Farah Bejar, Audrey Milon, Antoine Parrot, Anne Fajac, Jacques Cadranet

Histopathologic changes in lung tissue after Covid-19 pneumonia

Jasna Tekavec-Trkanjec (Zagreb, Croatia), Arijana Pačić, Čedna Tomasović-Lončarić, Darjan Ranilović, Divo Ljubičić

Impact of COVID 19 on bacterial respiratory isolates (2018-2021) from a UK tertiary cardio-thoracic ICU

Vidya Krishna (Chennai, India), Sundeep Kaul, Pradeep Panicker, Jaymin Morjaria, Anne Hall

T-cell responses to SARS-CoV-2 in patients during acute disease, convalescence and after vaccination

Guillem Safont-Gonzalez (Llinars del Vallès, Spain), Irene Latorre, Raquel Villar-Hernández, Zoran Stojanovic, Alicia Marín, Cristina Perez-Cano, Alicia Lacoma, Bárbara Molina-Moya, Alan Jhuniol Solis, Fernando Armestar, Joan Matllo, Sergio Díaz-Fernández, Arnau Cendón, Liliya Sokalchuk, Guillermo Tolosa, Irma Casas, Antoni Rosell, Jose Dominguez

Cell surface GRP78 functions as an alternative virus entry receptor on monocytes during SARS-CoV-2 infection

Bing Han, Yibing Lü, Dominique Moser, Tobias Woehrle, Xiaoqi Zhou, Alexander Choukér, Ping Lei

Human pulmonary artery endothelial cells upregulate ACE2 expression in response to iron-regulatory elements: potential implications for SARS-CoV-2 infection

Quezia K. Toe (Essex, United Kingdom), Theo Issitt, Abdul Mahomed, Charles Sturges, Stephen J Wort, Gregory Quinlan

Could biological disease modifying anti rheumatic drugs (bDMARDs) and small molecules have a key role in preventing COVID-19 infection?

Fiammetta Danzo, Marina Saad, Sarah O'Donnell, Debora Spitaleri, Linda Pelosi, Anna Casartelli, Dejan Radovanovic, Pier Carlo Sarzi-Puttini, Pierachille Santus

Circulating cfDNA is an excellent marker of severity in Covid-19

Lucia Lopez Vergara (Zaragoza, Spain), Cristina De Diego, Laura Torralba, Ana Lasierra, Claudia Abadía, Raquel Lahoz, Pablo Ruiz De Copegui, Javier Godino, Alberto Cebollada, Beatriz Jimeno, Salvador Bello

T1-inflammatory endotype in patients with severe COVID-19

Takehiro Hasegawa (Hamburg, Germany), Yoshiaki Miyamoto, Niina Iwanaga, Maho Yoshida, Yamashita Kazuto, Yamashita Saya, Tamada Eiya, Kohjin Suzuki, Kenta Noda, Yoko Tabe

Viral kinetic modeling and simulation of the impact of non-pharmaceutical COVID-19 interventions in different countries: model-informed respiratory disease trial design

Igor Faddeenkov (Lyon, France), Simon Arsène, Claire Couty, Natacha Go, Solène Granjeon-Noriot, Daniel Šmit, Riad Kahoul, Ben Illigens, Jean-Pierre Boissel, Aude Chevalier, Lorenz Lehr, Christian Pasquali, Alexander Kulesza

Late Breaking Abstract - Increased SARS-CoV-2 infection, protease and inflammatory responses in COPD primary bronchial epithelial cells defined with single cell RNA-sequencing

Matt Johansen (Miranda (NSW), Australia), Rashad Mahbub, Sobia Idrees, Duc Nguyen, Stefan Miemczyk, Prabbudha Pathinayake, Kristy Nichol, Nicole Hansbro, Linden Gearing, Paul Hertzog, David Gallego-Ortega, Warwick Britton, Bernadette Saunders, Peter Wark, Alen Faiz, Philip Hansbro

Late Breaking Abstract - SARS-CoV-2 load in exhaled end-tidal breath fine aerosol condensates among acutely symptomatic COVID-19 cases

Sterghios Moschos (Newcastle Upon Tyne, United Kingdom), Edison Jajah, Nikolaos Athanasiou, Taxiarchis Nikolouzakis, John Henderson, Saqib Ali, Theodora Mantso, Diamantis Kofteridis, Alexandros Zafiroopoulos, Chrysa Rokka, Aristides Tsatsakis, Paraskevi Katsaounou, Anastasia Kotanidou, Pagona Lagiou, Gkikas Magiorkinis

Late Breaking Abstract - SARS CoV 2 RNA in exhaled air of hospitalized COVID 19 patients

Corné van den Kieboom (Utrecht, Netherlands), Lisa Kurver, Kjerstin Lanke, Dimitri Diavatopoulos, Gijs Overheul, Mihai Netea, Jaap Ten Oever, Reinout Van Crevel, Karin Mulders-Manders, Frank Van De Veerdonk, Heiman Wertheim, Jeroen Schouten, Janette Rahamat-Langendoen, Ronald Van Rij, Teun Bousema, Arjan Van Laarhoven, Marien De Jonge

TP-14

Session

13:00 - 14:00

Thematic poster: Epidemiology: products and diseases

Disease(s) : Airway diseases Respiratory critical care

Method(s) : Public health Epidemiology General respiratory patient care Physiology Pulmonary function testing

Chairs : Stamatoula Tsikrika (Athens, Greece), Linnea Hedman (Luleå, Sweden)

Smoking cessation program for patients with diabetes-success factors

Aliki Korkontzelou (Athens, Greece), Stamatina Driva, Sotiria Schoretsaniti, Zafeiria Barbaressou, Vasiliki Vasileiou, Vasiliki Saltagianni, Alexander Osarogue, Sotirios Gyftopoulos, Martha Andritsou, Sofia Pappa, Serena Tonstad, Christina Gratziou, Nikolaos Tentolouris, Paraskevi Katsaounou

Impact of smoking and arterial hypertension on plasma surfactant protein-A levels in patients during acute exacerbation COPD

Olga Shtepa (Dnipropetrovsk, Ukraine)

Biomarkers used to evaluate smoking in COPD patients

Letitia Trofor (Iasi (Iasi), Romania), Antigona Carmen Trofor, Ioana Buculei, Mona Dobrin, Roberta Ionela Cernat, Oana Melinte, Cristina Vicol, Emanuel Stavarache

Evaluation of environmental tobacco smoke exposure of pediatric patients with chronic lung diseases

Setenay Akyuzluer Gunes (Ankara, Turkey), Gizem Ozcan, Fazılcan Zirek, Merve Nur Tekin, Filiz Bakar Ateş, Nazan Cobanoglu

Students' smoking prevalence in Barcelona region in 2021: study of its evolution compared to 2016 and 2019.

Cristina Muñoz-Pindado (Vic (Barcelona), Spain), Genoveva Vilardell-Rifà, Carlos Muñoz-Pindado

SARS CoV-2 infection in a cohort of patients from a smoking cessation program in Bogotá

Juan Pablo Rodriguez Gallego (Bogotá, Colombia), Daniela Cifuentes Hurtado, Mauricio Gonzalez Garcia

High parental education a risk factor for teenage e-cigarette use in Ireland

Joan Hanafin (Dublin, Ireland), Salome Sunday, Luke J. Clancy

The decline in teenage smoking has reversed in Ireland - how can we intervene?

Salome Sunday (Blackpool, Ireland), Joan Hanafin, Luke Clancy

Educational interventions to improve inpatient smoking cessation support

Adam Lyons (London, United Kingdom), Rebecca Walshe, Christina Timelin, Kay Roy

Comparative study of oxidative stress status in smokers versus non-smokers with tuberculosis

Letitia Trofor (Iasi (Iasi), Romania), Antígona Carmen Trofor, Ioana Buculei, Cristina Vicol, Mona Dobrin, Roberta Ionela Cernat, Oana Melinte, Daniela Robu Popa

Clinical features of drug addict patients hospitalized for pulmonary diseases

Khoulood Chaabi (Tunis, Tunisia), Emna Ben Jemia, Yossr Aloulou, Nourchene Khalfallah, Yossr Ben Attig, Jihen Ben Amar, Mohamed Sadok Boudaya, Haifa Zaibi, Hichem Aouina

Predictors of severity in patients with exacerbation of the chronic obstructive pulmonary disease

Hamida Kwas (Gabes, Tunisia), Sabrine Majdoub, Wafa Fekih

Correlation between blood carboxyhemoglobin levels and smoking

Cristina Sánchez Fernández (Oropesa, Spain), Walther Ivan Girón Matute, Ji Zichen, Gabriella Manzanares Cavin, Irene Milagros Domínguez Zabaleta, Cristhian Alonso Correa Gutiérrez, Virginia Parra León, Javier De Miguel Díez, Luis Puente Maestu

Attitudes and behavior of healthcare workers towards smoking: Hospital-based study in Tunisia

amina abdelkbir (ben arous, Tunisia), Yosr Ayedi, Chahida Harizi, Afef Skhiri, Nawel Dhaouadi, Radhouane Fakhfakh

Smoking among nursing staff in the regional hospital of AGADIR

Oussama HALLOUMI (AGADIR, Morocco), Houda Moubachir, Hind Serhane

Vaping and Hookah use among medical trainees

Luiza Helena Degani-Costa (São Paulo, Brazil), Fernando P Bruno, Fernanda Gushken, Claudia Szlejf, João Roberto Resende Fernandes, Yasmin F Tehrani, Daniel Kaufman, Ana B P Tokeshi, Kandipudi K L Prasad, Pentapati S S Kumar, Limalemla Jamir, Matthew G K Benesch, Morag G Ryan, Hardeep S Lotay, Jonathan P Fuld, Thiago M Fidalgo

Geography, gender and smoking in Europe

Luke J. Clancy (Dublin 8, Ireland), Joan Hanafin, Salome Sunday

Parental smoking reduction bundle in children's medical-care utilisation, respiratory tract infection and spirometry results

Siyu Dai (Hong Kong, Hong Kong), Fanjing Meng

Late Breaking Abstract - Sex-related differences and FEV1 decline among COPD patients: the French Palomb cohort.

Nolwenn Jestin-Guyon (Bordeaux, France), El Hassane Ouailaya, Alain Bernady, Emilie Berteaud, Julien Casteigt, Laurent Falque, Frédéric Le Guillou, Jean Moinard, Mathieu Molimard, Laurent Nguyen, Cécilia Nocent, Annaig Ozier, Mohammed Staali, Chantal Raherison-Semjen

Late Breaking Abstract - Establishment of an Alpha-1 research registry within the patient advocacy organization

Jeanine D'Armiento (New York, United States), Monica Goldklang, Alison Chin, J Michael Wells, Randel Plant, Laura Fonseca, Charlie Strange

TP-25

Session

13:00 - 14:00

Thematic poster: Practice changing pleural interventions and beyond in 2022**Disease(s) :** Thoracic oncology Respiratory critical care Airway diseases**Method(s) :** Endoscopy and interventional pulmonology Cell and molecular biology Physiology General respiratory patient care Surgery Respiratory intensive care Imaging Palliative care

Chairs : Mohammed Munavvar (Preston (Lancashire), United Kingdom), Rachel Mercer (Winchester, United Kingdom)

Antiseptic pleural irrigation for adult pleural infection

Maged Hassan (Alexandria, Egypt), Basma El-Shaarawy, Asmaa Elshazly, Mohamed Gadallah, Ahmed Sadaka

A Randomized Trial Comparing the duration of the procedure using Rigid mini-Thoracoscopy and Semirigid Thoracoscopy in Undiagnosed or Malignant Pleural Effusion

Pariyakorn Padmintra (Bangkok, Thailand), Vorawut Thanthitaweewat, Thitiwat Sriprasart

Semi-rigid vs rigid pleuroscopy for the diagnosis for pleural effusion: a multi-centric study

Maria João Silva (Torres Novas, Portugal), Diana Amorim, Fernando Silva, Rebeca Natal, Michele Santis, Paulo Matos, Lourdes Barradas, Luis Ferreira, Luis Rodrigues, Salvato Feijó

Erector spinae plane (ESP) blocks and day case thoracoscopy

Avinash Aujayeb (Newcastle, United Kingdom), Jamie Mcpherson, Edward Halvey

Pleural pustule - A novel thoracoscopic appearance of pleural tuberculosis.

Venkata Nagarjuna Maturu (Hyderabad (Andhra Pradesh), India), Pratibh Prasad, Mahendra Biradar

Usefulness of pleural manometry during evacuating thoracentesis

Claudia Rodriguez Busto (Madrid, Spain), Olga Rajas Naranjo, Ana Nuñez Ares, Javier Lazaro Sierra, Paola Arrieta Narvaez, Javier Flandes Aldeyturriaga, Beatriz Morales Chacon, Andrea Albuja Hidalgo, Gianna Vargas Centanaro, Eduardo Solis Garcia, Elena Forcen Vicente De Vera, Maria Jose Bernabe Barrios

The impact of 2% lidocaine in pleural effusion pH and LDH - Real world experience

Gabriela Sofia Cancela da Fonseca Ferreira Santos (Lisboa, Portugal), André B. Matos, João Portela, Ricardo Gomes, Marina Bonnet, Jorge Soares

Tunneled pleural catheters - our experience with the first fifty patients

Nicole Fernandes (vila nova de gaia, Portugal), Luis Lázaro Ferreira, Daniel Coutinho, Carla Ribeiro, Ana Oliveira

Improving pleural procedure documentation in a district general hospital

Frederick Jarvis (Halstead, United Kingdom), Catherine Doig, Zaw Aung, Dora Amran

Pigtail catheters for pleural effusions: efficacy and safety

Ana Rita Queiroz Rodrigues (Baiao, Portugal), Margarida Cruz, Ana Isabel Loureiro, Joelma Silva, Rafael Noya

An update on the management of first episode primary spontaneous pneumothorax in an Australian hospital network.

Christopher Chew (Melbourne, Australia), James Bartlett

Retrospective analysis of chest drain size and complications in spontaneous secondary pneumothorax in a District General Hospital, UK.

Thomas Moore (Buckinghamshire, United Kingdom), Martha Purcell, Ketan Patel, Katrine Steele

Has COVID-19 affected complication rate of IPC placements?

Dana Li (London, United Kingdom), Sarah Johnstone, Padmavathi Parthasarathy, Rajini Sudhir, Muhammad Tufail, Rakesh Panchal

Does intravenous sedation improve patient comfort during the insertion of tunnelled indwelling pleural catheters a pilot prospective comparison study.

Andrew Harries (Cardiff, United Kingdom), Gillian Warwick, Artemio Gonzales, Claire Tagg, Kathryn Turner, Michael Pynn, Alina Ionescu

Compliance of Pleural Procedures with BTS Pleural Guidelines within a large District General Hospital

Nafisa Hussain (Watford, United Kingdom), Alessio Navarra, Rahul Mogal

THORACOSCOPIC PRACTICES IN INDIA- A SURVEY BY INDIAN CHEST SOCIETY

Aditya Kumar Chawla (New Delhi (Delhi), India), Rakesh Chawla

Mechanical ventilation for COVID19 – new patient cluster in risk for postintubation tracheal stenosis

Goran Glodić (Zagreb, Croatia), Sonja Badovinac, Marta Koršić, Filip Popović, Denis Baričević, Dražena Srdić, Ana Bačelić Gabelica, Feđa Džubur, Mateja Janković Makek, Bernard Budimir, Miroslav Samaržija

A retrospective cohort study to investigate the diagnostic yield of bronchoscopy with bronchoalveolar lavage in highly immunocompromised adult patients

Rayid Abdulqawi (Manchester, United Kingdom), Deemah AlAbdulhadi, Ahmad Aljishi, Ghadeer Alabbadi, Mohammad Hashim Khalafallah, Zainab Almusa

Late Breaking Abstract - Metered Cryospray improves patient-reported outcome measures at 6-months post-treatment, in patients with COPD with chronic bronchitis, in a randomised, sham-controlled trial

Christopher M Orton (London, United Kingdom), James Tonkin, Ley Chan, Francesca Conway, Anand Tana, Bavithra Vijayakumar, Jorine E Hartman, Cielito Caneja, Laura Avanzi, Karin Klooster, John Thornton, Jan Lukas Robertus, Dirk-Jan Slebos, Pankaj K Bhavsar, Pallav L Shah

Late Breaking Abstract - Transbronchial biopsy by radial probe endobronchial ultrasound followed by cryobiopsy using a novel 1.1-mm diameter cryoprobe

Jung Seop Eom (Busan, Republic of Korea), Soo Han Kim, Hyun Sung Chung

TP-9 **Session** **13:00 - 14:00**

Thematic poster: Translational studies of asthma and COPD

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Cell and molecular biology Respiratory intensive care Epidemiology Physiology

Chairs : Ian M. Adcock (London, United Kingdom), Chair to be confirmed

Soluble epoxide hydrolase deficiency attenuates airway inflammation in COPD via IRE1/JNK pathway

Yue Yu (Beijing, China), Ailin Yang, Xin He, Yanjun Wu, Ganggang Yu, Haoyan Wang

Pharmacological characterization of the anti-inflammatory effect of mepolizumab and benralizumab in a human ex vivo model of asthma

Josuel Ora (Roma (RM), Italy), Paola Rogliani, Francesco Facciolo, Enrico Melis, Beatrice Ludovica Ritondo, Maria Chiara Gabriele, Andrea Perduno, Luigino Calzetta

Asthma exacerbations and eosinophilia in the UK Biobank: a Genome-Wide Association Study

Ahmed Edris (Ghent, Egypt), Katherine Fawcett, Ian P. Hall, Matin D. Tobin, Lies Lahousse

Dupilumab in patients with atopic dermatitis: what effect on asthma?

Merouane MESSEKHER (Toulouse, France), Marie Tauber, Alain Didier, Laurent Guilleminault

IL1RAP is an emerging target in chronic airway inflammatory diseases

Gopinath Kasetty (Mölnådal, Sweden), Marie Jönsson, Janne Persson, Pernilla Grundevik, Josquin Nys, Suzanne Cohen, Annika Borde, Mark A Birrell

The effect of rosvastatin on rat models asthma, hyperlipidemia and asthma-hyperlipidemia

Mohammad Hossein Boskabady (Mashhad, Islamic Republic of Iran), Saeideh Saadat

Effect of tezepelumab on symptoms and peak expiratory flow before, during and after exacerbations in NAVIGATOR

Mario Castro (Kansas City, United States), Neil Martin, Christopher S. Ambrose, Sandhia Ponnarambil, Ales Kotalik, Jean-Pierre Llanos-Ackert, Stephanie Korn

Effect of tezepelumab on exacerbation-related intravenous corticosteroid use in patients with severe, uncontrolled asthma in NAVIGATOR

Arnaud Bourdin (Montpellier Cedex 5, France), Neil Martin, Chris Ambrose, Sandhia Ponnarambil, Gillian Hunter, Nestor Molfino, Bill Cook

Omalizumab-treated severe allergic asthmatics have comparable small airways function to healthy controls.

Amir Hakim (London, United Kingdom), Harpal Kalsi, Sally Meah, Paolo Paredi, Martyn Biddiscombe, Omar Usmani

Efficacy of tezepelumab according to age at asthma onset in NAVIGATOR

Guy Brusselle (Ghent, Belgium), Joseph Spahn, Gillian Hunter, Neil Martin, Jean-Pierre Llanos-Ackert, Sandhia Ponnarambil

Small mobile stem cells multitargeted approach to alveoli in vivo regeneration

Abdulkader Rahmo (San Marcos, United States)

Validation of sputum cytokine immunoassays in COPD

Alex Mulvanny (Manchester (Greater Manchester), United Kingdom), Thomas Southworth, Caroline Pattwell, Dave Singh

The role of the molecular circadian clock in Asthma

Julia Teppan (Graz, Austria), Iris Red, Juliana Schwanzer, Akos Heinemann, Eva Sturm

Effects of salbutamol and ipratropium on human stem-cells derived cardiomyocytes' function

Martin Scurek (Brno, Czech Republic), Simon Klimovic, Martin Pesl, Jan Pribyl, Daniil Kabanov, Deborah Beckerova, Marketa Bebarova, Vladimir Rotrekl, Kristian Brat

Targeting eosinophils in chronic eosinophilic pneumonia: new therapeutic perspectives for long-term control.

Cecilia Cisternino (San Giovanni Rotondo, Italy), Alessia Steffanina, Paola Scarano, Giulia Lo Muzio, Olimpia Calò, Arianna Sanna, Francesca De Filippis, Maria Teresa Leporini, Paolo Palange, Elda Graziani

Dupilumab improves exacerbations and lung function irrespective of prior asthma exacerbations: TRAVERSE

Alberto Papi (Cona, Ferrara, Italy), Mario Castro, William W Busse, David Langton, Stephanie Korn, Changming Xia, Xavier Soler, Nami Pandit-Abid, Shahid Siddiqui, Juby A Jacob-Nara, Paul J Rowe, Yamo Deniz

Assessment of inhaled medications using an in vitro human alveolar microphysiological system.

Emily Richardson, Hailey Sze, David Hughes, Tomasz Kostrzewski

Biomarker-defined clusters by level of Type 2 inflammatory involvement in severe asthma

William Henley (Exeter, United Kingdom), David Price, Sarah Burkill, Eileen Wang, Michael E. Wechsler, Eve Denton, Trung N. Tran, Neil Martin, Rohit Katial, Peter Barker, Jorge Maspero, Mark Hew, Guy Bruselle, George C Christoff, Mohsen Sadatsafavi, Carlos A. Torres-Duque, Celeste M. Porsbjerg, Charlotte Ulrik, Susanne Hansen, Alan Altraja, Arnaud Bourdin, Nikolaos G. Papadopoulos, Konstantinos Kostikas, Sundeep Salvi, Richard W Costello, Puggioni Francesca, Takashi Iwanga, Chin Kook Rhee, Mona Al-Ahmad, Desiree Larenas Linnemann, Joao A Fonseca, Borja G. Cosio, Mariko Koh Siyue, Bruce Kirenga, Chau-Chyun Sheu, Ming-Ju Tsai, Bassam Mahboub, John Busby, Liam G Heaney, Paul E Pfeffer, Pujan Patel, Flavia Hoyte, Yang Liu, Celine Goh, Juntao Lyu, Thendral Uthaman

Dupilumab effectiveness in patients with type 2-high severe asthma and chronic rhinosinusitis with nasal polyps

Santi Nolasco (Catania, Italy), Raffaele Campisi, Antonino Cipolla, Pietro Impellizzeri, Martina Bonsignore, Nunzio Crimi, Claudia Crimi

Characteristics of Responders to Biologics in Patients with Severe Asthma: Based on Precision Medicine Intervention in Severe Asthma (PRISM) Study

Ji-Hyang Lee (Seoul, Republic of Korea), Hyunkyung Kim, Jae-Woo Jung, Min-Hye Kim, Jeong-Hee Choi, Ji-Yong Moon, So Young Park, Sae-Hoon Kim, Min-Suk Yang, Byung-Keun Kim, Jae-Woo Kwon, Hye-Kyung Park, Chan Sun Park, Taehoon Lee, Sujeong Kim, Young-Hee Nam, Han-Ki Park, Byung-Jae Lee, Hyouk-Soo Kwon, Woo-Jung Song, Sei Won Lee, You Sook Cho, Tae-Bum Kim

TP-24

Session

13:00 - 14:00

Thematic poster: Basic science in pulmonary hypertension

Disease(s) : Pulmonary vascular diseases Airway diseases

Method(s) : Cell and molecular biology Physiology Pulmonary function testing Transplantation Imaging Epidemiology Public health

Chairs : Christina Eichstaedt (Heidelberg, Germany), Grazyna Kwapiszewska-Marsh (Graz, Austria)

Research priorities for future pulmonary hypertension research: a James Lind Alliance priority setting partnership

Jason Weatherald (Edmonton, Canada), Hina Iqbal, Lisa Mielniczuk, Abdul Rehman Syed, Jennifer Howard, Nicole Dempsey, Tamara Rader, John Swiston, Steeve Provencher

Deep learning of regulatory regions discovers enhancer variants implicated in PAH

Tobias Tilly (Cambridge, United Kingdom), Kathryn Auckland, Reshma Nibhani, Jennifer Martin, N Nihir Bioresource - Rare Diseases, N National Cohort Study Of Idiopathic And Heritable Pah, Nicholas W. Morrell, Pietro Lio', Stefan Gräf

End-stage COPD patients with severe pulmonary hypertension have less airspace enlargement in histologic samples of explanted lungs

Katarina Zeder (Graz, Austria), Leigh M. Marsh, Alexander Avian, Luka Brcic, Anna Birnhuber, Philipp Douschan, Vasile Foris, Teresa Sassmann, Panja Böhm, Konrad Hoetzenecker, Grazyna Kwapiszewska, Horst Olschewski, Gabor Kovacs

Optical imaging outperforms micro-CT towards revealing 3D microvasculature in whole lung tissue

Birger Tieleman (Leuven, Belgium), Fopke Marain, Felix De Bie, Montserrat Coll-Llado, Sebastian Munck, Jan Deprest, Jim Swoger, Greetje Vande Velde

Correlation between right ventricular dysfunction and plasma protein profile in pulmonary hypertension

Andrew Constantine (London, United Kingdom), Christopher J Rhodes, Piera Ricci, Wei Li, Laura C Price, Colm McCabe, John Wharton, Martin R Wilkins, Luke S Howard, Konstantinos Dimopoulos, Stephen J Wort

Impulse oscillometry in the assessment of patients with idiopathic arterial hypertension: a pilot study.

Monica Corso Pereira (Campinas (SP), Brazil), Helena Villas Bôas, Ilma Paschoal

NTP42 alleviates experimental pulmonary arterial hypertension and promotes beneficial right ventricular adaptation, preserving right heart function

Eamon Mulvaney (Dublin 4, Ireland), Fabiana Renzo, Rui Adão, Glória Conceição, Emilie Dupre, Charles Laurent, Pedro Mendes-Ferreira, Carmen Brás-Silva, B. Therese Kinsella

IL-11 increases levels and activates circulating fibrocytes in different pulmonary hypertension animal models.
Ines Roger (Valencia, Spain), Javier Milara, Paula Montero, Nada Belhadj, Julio Cortijo

IL-1 may contribute to NGF-induced alterations in pulmonary hypertension
Clement BOUCHET (Pessac, France), Guillaume Cardouat, Precilia Fernandes, Paul Robillard, Roger Marthan, Christelle Guibert, Veronique Michel

Quantitative immunohistochemistry of PDGFR α , PDGFR β , c-KIT and CSF1R in human PAH lung samples
Ravikumar Sitapara (San Diego, United States), Aneta Gandjeva, Rubin Tuder, Lawrence Zisman

Extended Pulmonary Retention and Tissue Distribution of Inhaled Liposomal Iloprost (L608)
Pei Kan (Taipei, Taiwan), Ko-Jie Chen

The microbiota affects the development of the lung vascular tree in rats
FIRMIN AKOUMIA (Paris, France), Maria-Rosa Ghigna, Julie Cadiou, Amandine Lashermes, Julie Riviere, Stephanie Gouriou, Rosyne Lagrfeuille, Geneviève Hery-Arnaud, Marc Humbert, Nicolas Lapaque, Sylvia Cohen-Kaminsky

HS135: Novel Activin & GDF Ligand Trap for the Treatment of Pulmonary Hypertension (PH)
Gauthier Schang (Montreal, Canada), Mathilde Poujol De Mollins, Jean-Francois Denis, Cristina Chauvet, Emilie Brûlé, Vann Ganesh, Julia Schoelermann, Gilles Tremblay, Ilia Tikhomirov, Maureen O'Connor-Mccourt

Basement membrane regulates neointimal hyperplasia in pulmonary hypertension due to left heart disease (PH-LHD)
Netra Nambiar Veetil (Berlin, Germany), Mariya Kucherenko, Tara Gransar, Robert Szulcek, Christoph Knosalla, Wolfgang M. Kuebler

COX2 expression is downregulated in a shear stress magnitude-dependent manner in BMPR2-silenced HPAECs: implications for prostacyclin deficiency in PAH
Abdul Mahomed (London, United Kingdom), Abdul Mahomed, Anne Burke-Gaffney, Maziah Ghazaly, Jarka Naser, Quezia Toe, Gregory Quinlan, Stephen John Wort

The ephrin-b2/EphB4 guidance system in pulmonary artery smooth muscle cells plays a central role in adult vascular remodeling
Sonja Rittchen (Graz, Austria), Slaven Crnkovic, Katharina Jandl, Diana Zabini, Ayse Ceren Mutgan, Panja Boehm, Konrad Hoetzenecker, Wolfgang Toller, Christine Veith, Akos Heinemann, Ralph T. Schermuly, Andrea Olschewski, Leigh M Marsh, Grazyna Kwapiszewska

Pulmonary arterial changes in patients with end-stage COPD and pulmonary hypertension: computed tomography and histopathological study of the lungs.
Guillaume Martin (Strasbourg, France), Matthieu Canuet, Aissam Labani, Antoine Wackenthaler, Irina Enache, Marie-Pierrette Chenard, Peter Dorfmueller, David Montani, Romain Kessler, Marianne Riou

Hypoxia induces caspase-1-dependent pulmonary inflammation, introducing pulmonary epithelium in the development of pulmonary hypertension
Camilla Udjus (Oslo, Norway), Bente Halvorsen, Xiang Yi Kong, Else Marit Løberg, Geir Christensen, Ole Henning Skjøsberg, Karl-Otto Larsen

Towards a GCN2 deficient model of pulmonary veno-occlusive disease
Max Schwiening (CAMBRIDGE, United Kingdom), Stephen Moore, Alexi Crosby, Mark Southwood, Chris Huang, Nicholas W Morrell, Stefan J Marciniak, Elaine Soon

IL-33 role in the pulmonary hypertension development in diabetic patients with coronary artery disease
Boris Shelest (Kharkiv, Ukraine), Yuliia Kovalova, Anatoliy Voitovych

TP-2 **Session** **13:00 - 14:00**

Thematic poster: Biomarkers and lung function in COPD exacerbation

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Imaging Pulmonary function testing Epidemiology Physiology Pulmonary rehabilitation Public health

Chairs : Bernardino Alcazar Navarrete (Cájar, Spain), Andrea Bianco (Napoli, Italy)

How COPD patients with Gln27Glu polymorphism utilize exacerbation-related drugs?
Kostiantyn Dmytriiev (Vinnitsya, Ukraine), Yuriy Mostovoy, Nataliia Slepchenko, Yuliia Smereka, Dmytro Dmytriiev

Role of ADRB2 gene haplotypes in the clinical course of COPD
Kostiantyn Dmytriiev (Vinnitsya, Ukraine), Nataliia Slepchenko, Yuriy Mostovoy, Yuliia Smereka, Dmytro Dmytriiev

Serum amyloid A (SAA) as a predictor of chronic obstructive pulmonary disease (COPD) exacerbations.

Daria Koval (Dnipropetrovsk, Ukraine)

Resistin identifies individuals with reduced lung function in a healthy aging cohort.

Ivette Buendia Roldán (México D.F, Mexico), Andy Ruiz, Andrea Espinosa-Arellano, Iliana Herrera, Leslie Chavez-Galan, Moises Selman

Activity of platelet von Willebrand factor in stable patients with COPD in terms of cardiovascular risk.

Olena Kovalenko (Dnipro, Ukraine), Victoriia Rodionova, Olha Boiko

Connection between markers of local and systemic inflammation in stable COPD

Daria Koval (Dnipropetrovsk, Ukraine), Bohdana Basina, Nataliia Kravchenko, Tetiana Kirieieva, Yuliya Bershadenko

The prevalence of prolonged QTc and associated risks of starting macrolide treatment

Benjamin Allison (Salford, United Kingdom), Andras Bikov

Predictive value of caspase-8 in hypertension development in COPD patients

Volodymyr Tverezovskyi (Kharkiv, Ukraine), Valeriy Kapustnyk

The correlation between blood eosinophilia and clinical characteristics in chronic obstructive pulmonary disease patients

amal chennoufi (tunis, Tunisia), Chirine Moussa, Houda Rouis, Takwa Bejaoui, Ibtihel Khouaja, Marwa Bougacha, Syrine Neji, Sarra Ziouche, Amel Khattab, Leila Bayahi, Ines Zendah, Sonia Maalej

Preserved Ratio Impaired Spirometry (PRISM) and increased arterial stiffness (AS)

Otto Chris Burghuber (Wien, Austria), Marie Kathrin Breyer, Robab Breyer-Kohansal, Patricia Puchhammer, Alina Ofenheimer, Christoph Kaufmann, Thomas Weber, Sylvia Hartl

Role of the lower limit of normal in COPD diagnosis.

Elisa Martínez Besteiro (Madrid, Spain), Ana Sofía Martín Hernández, Marta Solís García, Laura García Castellanos, Mateo Hevia Menéndez, Jose María Eiros Bachiller, Celeste Marcos, Rosa Mar Gómez-Punter, Elena Ávalos Pérez-Urria, Gorane Iturricastillo Gutiérrez, Julio Ancochea Bermúdez

Impulse oscillometry as a rule-out method for emphysema

Allan Klitgaard (Vejle, Denmark), Anders Løkke, Ole Hilberg

Association between thoracic muscle mass assessed by high-resolution computed tomography and static lung volume in patients with COPD - a pilot study

Mia Solholt Godthaab Brath (Vadum, Denmark), Esben Bolvig Mark, Jens Brøndum Frøkjær, Pernille Veiss-Pedersen, Lasse Riis Østergaard, Henrik Højgaard Rasmussen, Ulla Møller Weinreich

What are the best spirometric predictors of COPD progression?

Daria Koval (Dnipropetrovsk, Ukraine), Bohdana Basina, Tetiana Pertseva, Nataliia Kravchenko

Effect of an early multidisciplinary respiratory (MDT) in-reach review of Airways Disease exacerbations (ADE) in an acute general hospital on discharges and length of stay (LOS)

Paul Ellis (Solihull, United Kingdom), Alain Al Helou, Gajan Chellappah, Kayleigh Jones, Adel Mansur, Rahul Mukherjee

The language COPD patients use to describe exacerbations: a qualitative study

Michael Crooks (East Riding of Yorkshire, United Kingdom), Richard Russell, Helena Cummings, Kay Roy, Omar Usmani, Sarah Macfadyan, Judith Cohen, Tamsin Morris, Hana Mullerova, Yang Xu, Ann Hutchinson

Predicting 3-month respiratory readmission in a Scottish COPD cohort

Chris Carlin (Glasgow (Glasgow), United Kingdom), Shane Burns, Anna Taylor, Grace Cox, Paul Mcginness, David Lowe

Restrictive and obstructive lung patterns and postoperative pulmonary complications after cardiac surgeries: A prospective cohort study

Hasan Allah Sadeghi (Tehran, Islamic Republic of Iran), Mahsa Mirdamadi, Mahmood Sheikh Fathollahi, Sadeghi Sarina

Proadrenomedullin and copeptin are more sensitive and specific biomarkers for the prediction of mortality in stable COPD than fibrinogen: An analysis of the COSYCONET study

Sebastian Fähndrich (Freiburg, Germany), Sebastian Teuteberg, Christian Herr, Henrik Watz, Benjamin Waschki, Franziska C. Trudzinski, Albert Omlor, Peter Alter, Frederik Seiler, Frank Biertz, Tobias Welte, Hans-Ulrich Kauczor, Rudolf A Jörres, Claus F. Vogelmeier, Robert Bals, Daiana Stolz

Comparison of predictive properties between tools of patient-reported outcomes: exacerbation and admission due to exacerbation in subjects with chronic obstructive pulmonary disease.

Koichi Nishimura (Kyoto, Japan), Mio Mori, Ryo Sanda, Masaaki Kusunose

TP-12

Session

13:00 - 14:00

Thematic poster: Elucidating the pathogenesis of COPD, cough and viral infection

Disease(s) : **Airway diseases**

Method(s) : Cell and molecular biology General respiratory patient care Pulmonary function testing Epidemiology

Chairs : Antonio Spanevello (Milano, Italy), Melissa McDonnell (Oranmore (Co Galway), Ireland)

Differential responses of COPD macrophages to respiratory bacterial pathogens

Simon Lea (Manchester (Greater Manchester), United Kingdom), Augusta Beech, James Baker, Rosemary Gaskell, Dharmendra Pindolia, Aisha Baba Dikwa, Rajesh Shah, Dave Singh

Mast cell gene expression in eosinophilic COPD patients

Andrew Higham (Manchester (Greater Manchester), United Kingdom), Josiah Dungwa, Tuyet-Hang Pham, Christopher Mccrae, Dave Singh

ADAM17 and CD62L in BAL fluid as a measure of leukocyte transmigration in COPD, asthma, and healthy individuals

Carin Larsson (Rydsgård, Sweden), Nicole Van Der Burg, Jaro Ankerst, Leif Bjermer, Ellen Tufvesson

Three clinical phenotypes of COPD with each a characteristic immunological profile

Cathelijne van Zelst (Rotterdam, Netherlands), Johannes In 'T Veen, Marjolein De Bruijn, Menno Van Nimwegen, Esme Van Der Ploeg, Lisette Krabbendam, Denise Van Uden, Ralph Stadhouders, Rudi Hendriks, Gert-Jan Braunstahl

Soluble epoxide hydrolase inhibition alleviates inflammation in cigarette smoke-induced experimental COPD irrespective of dietary fat content

Saima Firdous Rehman (Annandale Sydney, Australia), Kurtis F Budden, Alessandro Quaranta, David Fuchs, Shakti D Shukla, Alexandra Brown, Charlotte Alemao, Lohis Balachandra, Henry Gomez, Vinod Kumar, Sobia Idrees, Jay Horvat, Lisa G Wood, Craig Wheelock, Philip M Hansbro

Tyndallized bacteria induce macrophage polarization toward M1 polarization: an effect useful to balance allergic immune responses

Elisabetta Pace (Palermo (PA), Italy), Serena Di Vincenzo, Simona Taverna, Maria Ferraro, Marco Buscetta, Chiara Cipollina, Stefania La Grutta

LSC - 2022 - Innate immunity plays an important role during NTHI and RV sequential infection.

Yuqing Long (Oxford, United Kingdom), Sophie Morgan, Paul Klenerman, Timothy Hinks

Capsaicin evoked cough responses and the effect of sex hormones

Ruth Cusack (Waterford, Ireland), X Ju, B.M Salter, K Howie, C Stevens, S Beaudin, J Wattie, J.A. Smith, P.M. O'Byrne, Imran Satia, R Sehmi, Gail Gauvreau

Late Breaking Abstract - Maternal high-fat diet increases airway sensory innervation and reflex bronchoconstriction in adult offspring

Zhenying Nie (Portland, United States), Gina Calco, Yem Alharithi, Elyse Phillips, David Jacoby, Allison Fryer, Alina Maloyan

Late Breaking Abstract - Enhanced early T cell activation and protection from hyper-inflammation in smoke exposed Cox4i2-/- infected mice with influenza

Thilo Berger (Marburg, Germany), Claudia Fernanda Garcia Castro, Vidya Lakshmi, Sara Völkel, Natascha Sommer, Chrysanthi Skevaki

Late Breaking Abstract - FeNO in a healthy population: normal ranges and contributing factors

Christina Bal (Wien, Austria), Caspar Schiffers, Patricia Puchhammer, Owat Sunanta, Marie-Kathrin Breyer, Wolfgang Pohl, Sylvia Hartl, Marco Idzko, Robab Breyer-Kohansal

Late Breaking Abstract - Assessment of sputum inflammatory, neural, and remodelling mediators in eosinophilic and non-eosinophilic asthma

Hajar Ali (Wellington, New Zealand), Jeroen Douwes, Jeroen Burmanje, Prachee Gokhale, Julian Crane, Philip Pattemore, Yu-Chieh Tzeng, Thorsten Stanley, Jacqui Keenan, Collin Brooks

Late Breaking Abstract - White blood cells and asthma: a two-sample Mendelian Randomization Study

Vanesa Bellou (Ioannina, Greece), Athena Gogali, Konstantinos Kostikas, Evangelos Evangelou

Late Breaking Abstract - Oral microbiome associated with asthma and COPD in a multicenter study

Christine Drengenes (Bergen, Norway), Michael Abramson, Oskar Jögi, Caroline Lodge, Francisco Gomez Real, Randi Bertelsen

TP-23

Session

13:00 - 14:00

Thematic poster: From basic to translational research in idiopathic interstitial pneumonias

Disease(s) : Interstitial lung diseases Airway diseases

Method(s) : Cell and molecular biology Physiology Imaging Endoscopy and interventional pulmonology

Chairs : Nikhil Hirani (Edinburgh (Edinburgh), United Kingdom), Manuela Funke-Chambour (Bern, Switzerland)

Silencing MMP7 expression with a lung-targeted RNAi molecule limits fibrosis and preserves pulmonary function in bleomycin-injured rats

Tingting Yuan (VERONA, United States), Anthony Nicholas, Natalia Lakomski, Maria Afrazi, Holly Hamilton, Julia Hegge, James Hamilton, Tao Pei, Erik Bush

Fibroblast-like culture from bronchoalveolar lavage of patient with idiopathic pulmonary fibrosis

Laura Bergantini (siena, Italy), Sara Gangi, Elena Bargagli, Miriana D'Alessandro, Dalila Cavallaro, Paolo Cameli

Biomarker analysis of bronchoalveolar lavage (BAL), bronchoabsorption (BA) and serum in Idiopathic Pulmonary Fibrosis (IPF) and healthy volunteers (HV)

Nikhil Hirani (Edinburgh (Edinburgh), United Kingdom), Feng Li, Adam Marshall, Cecilia Boz, Sarah Mcnamara, Lisa Nicol, Williamson Bradford

Dysfunctional club cells differentiation in idiopathic pulmonary fibrosis

Bénédicte SAISSAC (Montpellier, France), Arnaud Bourdin, Fort Petit Aurélie

Mannose 6-phosphate/insulin-like growth factor 2 receptor in fibrosing phenotypes of diffuse parenchymal lung diseases

Eva Tedlova (Bratislava, Slovakia), Vladimir Leksa, Magda Suchankova, Eszter Zsemlye, Jan Urban, Martina Ganovska, Elena Tibenska, Kinga Szaboova, Frantisek Sandor, Marta Hajkova, Kristina Kluckova, Maria Bucova

Discovery of intra-parenchymal adipose tissue as a component of tissue remodeling in pulmonary fibrosis

Kinan El Hussein (Paris, France), Nicolas Poté, Madeleine Jaillet, Pierre Mordant, Hervé Mal, Justine Frija-Masson, Raphael Borie, Aurélie Cazes, Bruno Crestani, Arnaud Mailleux

Prolyl-3-hydroxylase 4 (P3H4), a novel player in collagen synthesis and secretion in lung fibroblasts

Ceylan Onursal (München, Germany), Larissa Knüppel, Caressa D. Lietman, Juliane Merl-Pham, Rudolf Hatz, Jürgen Behr, Kristian Unger, Julia Hess, Stefanie M. Hauck, Brendan Lee, Claudia Staab-Weijnitz

Role of IL17 A/F in experimental lung fibrosis

Marie Moog (Hannover, Germany), Franziska Aschenbrenner, Danny Jonigk, Immo Prinz, Tobias Welte, Martin Kolb, Ulrich A. Maus

Role of CXCL13 in animal model of lung fibrosis and human ILDs.

Aya Watanbe (, Japan), Hasegawa Koichi, Ashino Shigeru, Santosh Kumal Gothwal, Tomohiro Handa, Hiroshi Date, Toyohiro Hirai, Michael Haas, Fionnuala Mcaleese Eser, Ken Fujimura, Justus Veerkamp, Hana Cernecka, Markus Koch, Ulrich Nielsch, Atsuyasu Sato

Idiopathic pulmonary fibrosis is associated with increased levels of FACIT collagen biomarkers

Jannie M. B. Sand (Herlev, Denmark), Annika Hummersgaard Hansen, Emilie A. Madsen, Jeppe Thorlacius-Ussing, Thomas S. Prior, Morten A. Karsdal, Diana J. Leeming, Elisabeth Bendstrup

Inhibitory role of retinoic acid-related orphan receptor alpha RORa in human lung fibroblast activation.

Eliza Tsitoura (Heraklion (Crete), Greece), Dimitra Maria Zevla, Bruno Crestani, Katerina Antoniou

Increased expression of -1,4-Galactosyltransferase-I in Idiopathic Pulmonary Fibrosis, a basis for further therapeutic applications

Alberto Ricci (Roma (RM), Italy), Claudia De Vitis, Dario Pizzirusso, Giulio Guerrieri, Silvia Castelli, Antonella Carraturo, Alba Moretta, Claudia Salvucci, Maria Chianese, Tiria Sordi, Rita Mancini, Michela D'Ascanio

PERIPHERAL BLOOD IMMUNOLOGICAL PROFILE OF IDIOPATHIC PULMONARY FIBROSIS

Nuria Mendoza Barco (Premià de Dalt (CT), Spain), Sandra Casas-Recasens, Fernanda Hernandez, Tamara Cruz, Núria Albacar, Gemma López-Saiz, Xavier Alzina, Alvar Agustí, Jacobo Sellarés, Rosa Faner

Proteomic profiling for the development of new serum based diagnostic and prognostic biomarkers in Progressive Pulmonary Fibrosis.

Ermanno Puxeddu (Roma (RM), Italy), Giuseppe Cillis, Luigino Calzetta, Francesco Cavalli, Gianluigi Sergiacomi, Immacolata Rossi, Paola Rogliani

Expression of PD-1/PD-L1 axis and CD4/CD8 ratio in mediastinal lymph nodes of human and experimental lung fibrosis

Theodoros Karampitsakos (Patras, Greece), Apostolos Galaris, Serafeim Chrysikos, Ourania Papaioannou, Ioannis Vamvakaris, Aris Anagnostopoulos, Grigoris Stratakos, Matthaios Katsaras, Fotios Sampsonas, Katerina Dimakou, Effrosyni Manali, Spyridon Papisir, Demosthenes Bouros, Petros Bakakos, Vassilis Aidinis, Argyris Tzouvelekis

Bleomycine-induced Pulmonary fibrosis alters the functioning of the respiratory neural network
nicolas voituron (Bobbigny, France), Céline-Hivda Yegen, Dominique Marchant, Emilie Boncoeur

Profibrotic effects analysis of bleomycin administration in Swiss CD-1 nude mice
Kristiyan Stiliyanov Atanasov (Palma de Mallorca, Spain), Joan Truyols Vives, Gabriel Escarrer, Cristina Gómez, Teresa De Francisco, Aina Martín Medina, Carlos Río, Ernest Sala-Llinàs, Josep Mercader-Barceló

Effects of a palmitate and fructose rich diet on lung fibrosis and inflammation markers in a murine model
Kristiyan Stiliyanov Atanasov (Palma de Mallorca, Spain), Cristina Gómez, Joan Truyols Vives, Aina Martín-Medina, Gabriel Escarrer, Ernest Sala-Llinàs, Josep Mercader-Barceló

Uncovering collagen VII in lungs of patients with idiopathic pulmonary fibrosis
Arturo Ibáñez Fonseca (Lund, Sweden), Barbora Michalíková, Liang Xiong, Hans Brunnström, Arturo Ibáñez-Fonseca, Sofia Lundin, Göran Dellgren, Anna Löfdahl, Linda Elowsson Rendin, Gunilla Westergren-Thorsson

TP-26

Session

13:00 - 14:00

Thematic poster: Late Breaking Abstracts in Airway disease

Disease(s) : Airway diseases Respiratory critical care

Method(s) : General respiratory patient care Pulmonary function testing Cell and molecular biology Epidemiology Physiology Endoscopy and interventional pulmonology

Late Breaking Abstract - Safety of ascending single and multiple doses of inhaled SIS, an isotonic aqueous solution of sodium hypochlorite, in healthy subjects

Christopher Burton (Kgs Lyngby, Denmark), Torben Balchen, Lise Wilki-Kurtzhals, Niclas Sjögren, Thomas Bjarnsholt, Elin Jørgensen, David Peick Sonne

Late Breaking Abstract - ETD001: A long-acting inhaled ENaC blocker, is well tolerated in humans

Paul Russell (Chalfont St Peter, United Kingdom), Kathy Woodward, Joanne Charwood, Rachael White, Denisa Wilkes, Henry Danahay, David Morris

Late Breaking Abstract - Metformin: A potential drug candidate to restore poor corticosteroid sensitivity in obese asthmatic patients

Masako To (Saitama, Japan), Natsue Honda, Kosuke Haruki, Yasuo To

Late Breaking Abstract - Waning of biologic effect at end of dosing interval perceived by patients with severe asthma

Johannes A Kroes (Leeuwarden, Netherlands), Lotte H G Van Hal, Liset Van Dijk, Sander W Zielhuis, Eric N Van Roon, Anneke Ten Brinke

Late Breaking Abstract - Impact of erdosteine on exacerbations in moderate COPD

Peter M. A. Calverley (Liverpool (Merseyside), United Kingdom), Alberto Papi, Clive Page, Paolo Rogliani, Roberto Dal Negro, Mario Cazzola, Arrigo Cicero, Wisia Wedzicha

Late Breaking Abstract - Understanding how azithromycin reduces asthma exacerbations and the underlying mechanisms of macrolides

Lisa Jurak (Woolloongabba, Australia), Ian Yang, Michelle Hill, Jodie Simpson, John Upham

Late Breaking Abstract - Achievement rate and predictive factors of the deep remission to biologics in severe asthma.

Keiji Oishi (Ube, Japan), Kazuki Hamada, Yoriyuki Murata, Yoshikazu Yamaji, Maki Asami, Nobutaka Edakuni, Tsunahiko Hirano, Kazuto Matsunaga

Late Breaking Abstract - Identification and characterisation of selective antagonists for TMEM16A(acyd) isoform for the treatment of obstructive respiratory diseases.

pierre philippe saintot (verona, Italy), Corrado Carignani, Jonathan Phillips, Caterina Virginio

Late Breaking Abstract - A phase 3b, randomized controlled trial of gefapixant in recent-onset chronic cough

Lorcan McGarvey (Belfast, Ireland), Mandel Sher, Yuri Grigorievich Shvarts, Susan Lu, Wen-Chi Wu, Ping Xu, Jonathan Schelfhout, Carmen La Rosa, Allison Martin Nguyen, Paul Reyfman, Amna Sadaf Afzal

Late Breaking Abstract - Effects of anti-tryptase antibody in upper and lower airway of asthmatics

Lindsay Henderson (South San Francisco, United States), Kit Wong, Victor Poon, Gizette Sperinde, Rebecca Bauer, Kenta Yoshida, Chen Chen, Qi Liu, Yiling Chen, Keyi Long, Prajna Banerjee, Steven Laing, Nick Jones, Horace Rhee, Brian Leaker, Dave Singh, Peter Bradding

Late Breaking Abstract - The antiasthmatic activity of Rho-kinase inhibitor hydroxyfasudil in the settings of experimentally induced allergic airway inflammation

Sona Franova (Martin, Slovakia), Miroslava Molitorisova, Lenka Kalmanova, Jarmila Palencarova, Martina Sutovska

Late Breaking Abstract - Implications of treatable traits and treatment choices on exacerbation risk in moderate-severe asthma

Ayşe Arzu Yorgancıoğlu (Konak, Turkey), Ian Pavord, Guy Brusselle, Paolo Pitrez, Sean Oosterholt, Abhijith Pg, Oscar Della Pasqua

Late Breaking Abstract - International, prospective study of mepolizumab in severe asthma: REALITI-A at 2yrs

Cristiano Caruso (Rome, Italy), Giorgio W. Canonica, Manish Patel, Andrew Smith, Mark C. Liu, Rafael Alfonso-Cristancho, Robert G. Price, Rupert W. Jakes, Lydia Demetriou, Antonio Valero, Charles Pilette, Peter Howarth

Late Breaking Abstract - Asthma exacerbation rate reduction with benralizumab in an integrated analysis of the real-world XALOC-1 study

David J Jackson (London, United Kingdom), Girolamo Pelaia, Alicia Padilla-Galo, Michael Watt, Sheena Kayaniyil, Silvia Boarino, Jesus Sanchez Tena, Vivian H. Shih, Trung N. Tran, Douglas Arbetter, David Cohen, Rohit Katial, Justin Kwiatek, Anat Shavit, Benjamin Emmanuel, Parameswaran Nair

Late Breaking Abstract - KCa3.1 inhibition possesses complex anti-asthmatic effect in a guinea pig model of chronic asthma.

Martina Šutovská (Martin, Slovakia), Jozef Mažerik, Soňa Fraňová

Late Breaking Abstract - Early response and remission with benralizumab in patients with severe asthma and chronic rhinosinusitis with nasal polyposis (CRSwNP) in the prospective real-world ImPROve Asthma study

Stephanie Korn (Mainz, Germany), Henrik Watz, Benjamin Emmanuel, Tanja Plate, Matthias Saathoff, Anat Shavit, Thorsten Grund, Marek Lommatzsch

Late Breaking Abstract - Gender differences in gene polymorphisms are linked to up-regulated leukotriene pathway in asthma

Davida Mirra (Francoise, Italy), Renata Esposito, Giuseppe Spaziano, Erika Cione, Luca Gallelli, Fiorentina Roviezzo, Francesca Polverino, Bruno D'Agostino

Late Breaking Abstract - Cognitive impairment is common in patients with severe asthma that are commenced on a biological treatment

Charlotte Bernhoff (Copenhagen, Denmark), Andreas Elleby Jespersen, Nanna Dyhre-Petersen, Ditte K Klein, Kamilla W Miskowiak, Celeste M Porsbjerg

Late Breaking Abstract - The PARP14 inhibitor RBN-3143 suppresses lung inflammation in preclinical models

Mario Niepel (Newton, United States), Melissa Vasbinder, Jennifer Molina, Bin Gui, Kaiko Kunii, Danielle Blackwell, Elizabeth Mateer, Jan-Rung Mo, Colin Coutts, Nicholas Perl, Kristy Kuplast-Barr, William Church, Christina Majer, Laurie B. Schenkel, Kerren Swinger, Ryan Abo, Ellen Bamberg, Yue Ren, Luke Utley, Tim Wigle, Christopher Reik, Alvin Lu, Anne Cheung, Elena Minissale, Kristen Mceachern, Victoria Richon, Sudha Parasuraman, Kevin Kuntz, Heike Keilhack

13:00-14:00

INDUSTRY LUNCHTIME SYMPOSIUM

SEE PAGE 1

14:00-14:45

INDUSTRY SKILLS LAB WORKSHOP

SEE PAGE 1

8B (live-streamed)

Session

14:15 - 15:45

Symposium: Asthma: confusion in diagnosis, recognising comorbidities and understanding pathophysiological connections**Aims :** to inform clinicians and researchers about the latest updates in significant asthma comorbidities and pathologies that mimic asthma and contribute to difficulties with diagnosis and treatment; to describe in particular conditions that mimic asthma, such as vocal cord dysfunction and dysfunctional breathing, and significant comorbidities, such as chronic rhinosinusitis, vasculitis and eosinophilic granulomatosis with polyangiitis (EGPA); to assess the importance of small airways in asthma.**Disease(s) :** [Airway diseases](#) [Interstitial lung diseases](#)**Method(s) :** Cell and molecular biology Epidemiology Public health**Tag(s) :** Translational**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist**Chairs :** Katerina Antoniou (Heraklion, Greece), Apostolos Bossios (Stockholm, Sweden)

14:15

Vocal cord dysfunction and dysfunctional breathing: the underlying secrets

Stephen James Fowler (Preston (Lancashire), United Kingdom)

14:30 **Difficult-to-manage chronic rhinosinusitis and asthma: two strangers in the same city**
Vibeke Backer (Copenhagen, Denmark)

14:45 **Vasculitis, EGPA and eosinophilic asthma: ties of blood**
Amy Klion (BETHESDA, United States)

15:00 **Small airways in asthma: looking deep in the lungs**
Monica Kraft (New York, United States)

15:15 **Discussion and Q&A**

8G (live-streamed) Session 14:15 - 15:45

Hot topics: Occupational COVID-19: current and future impact

Aims : To present the latest evidence on the occupational risk factors for COVID-19 in support of a global recognition and compensation of COVID-19 and long COVID-19 as new occupational diseases; to present an international overview of the most adversely impacted and best studied occupational groups, in particular healthcare workers (HCWs); to discuss how occupational health services could be a privileged observatory to study and manage the COVID-19 pandemic because of their key role in implementing preventive measures, especially vaccination programmes, administrative and engineering controls, personal protective equipment and health surveillance and management of COVID-19 cases, including testing, contact tracing and return to work of long COVID-19 cases; to seek to identify research needs in relation to risk for occupational groups other than HCWs, especially among the most vulnerable social categories, such as migrants, to estimate the true occupational health burden of COVID-19, thereby providing effective and efficient governmental mitigation policies to prevent the associated public health burden and increase preparedness for future pandemics.

Disease(s) : **Interstitial lung diseases** **Respiratory infections**

Method(s) : Epidemiology General respiratory patient care Public health

Tag(s) : COVID

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist, Journalist

Chairs : Sara De Matteis (Cagliari, Italy), Rafael E. de la Hoz (New York, United States)

14:15 **Epidemiology of occupational COVID-19**
Kurt Straif (Ste. Foy-les-Lyon, France)

14:30 **Long COVID-19: an epidemiologist, clinician and patient perspective**
Eva Polverino (Barcelona, Spain)

14:45 **Fast-tracking the development of vaccines during a pandemic: what have we learnt?**
Laura Fregonese (London, United Kingdom)

15:00 **COVID-19 and returning to work: an international online survey**
Pippa Powell (Sheffield (South Yorkshire), United Kingdom)

15:15 **Discussion and Q&A**

8H (live-streamed) Session 14:15 - 15:45

Hot topics: Artificial intelligence applications in thoracic oncology: an overarching ambition or overarching benefit?

Aims : to provide a clear overview of all current applications of artificial intelligence (AI) in the entire spectrum of thoracic malignancies and identify their impact on patient care.

Disease(s) : **Thoracic oncology**

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology Surgery

Tag(s) : Digital health

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Journalist

Chairs : Najib M. Rahman (Oxford, United Kingdom), Georgia Hardavella (Athens, Greece)

14:15 **AI in lung cancer screening: the radiologist's spotlight**
Annemiek Snoeckx (Edegem (Antwerp), Belgium)

14:30 **AI in the diagnosis of thoracic malignancies: the pathologist's spectacles**
Speaker to be confirmed

14:45 AI in pleural malignancies
Kevin Blyth (Glasgow (Glasgow), United Kingdom)

15:00 AI in lung cancer: potential implications for patient care
Laurent Derclé (New York, United States)

15:15 Discussion and Q&A

8N Session 14:15 - 15:30

Oral presentation: Long COVID and rehabilitation

Disease(s) : Airway diseases Sleep and breathing disorders Interstitial lung diseases Thoracic oncology

Method(s) : Cell and molecular biology General respiratory patient care Physiology Pulmonary function testing Pulmonary rehabilitation Epidemiology Surgery Imaging

Chairs : Anne Holland (Fitzroy North (VIC), Australia), Carla Simonelli (Lumezzane (BS), Italy)

Predictive factors for centralized rehabilitation in hospitalized COVID-19 patients

Antoine EL KIK (Beirut, Lebanon), Hind Eid, Albert Riachy, Elio Mekhael, Karim Hoyek, Nabil Nassim, Georges Khayat, Ghassan Sleilaty, Moussa Riachy

Tolerability and safety of high-intensity continuous and intermittent exercise in COVID-19

Gundi Steinhilber (Bergamo (BG), Italy), Ioannis Vogiatzis, Beatrice Salvi, Laura Bertacchini, Irene Favero, Massimo Venturelli, Mara Paneroni, Michele Vitacca

Severity score-based study of predictors and clinical correlates of Post-COVID Syndrome (PCS) in Germany

Thomas Bahmer (Kiel, Germany), Christoph Borzikowsky, Wolfgang Lieb, Anna Horn, Lilian Krist, Julia Fricke, Carmen Scheibenbogen, Klaus F. Rabe, Walter Maetzler, Corina Maetzler, Martin Laudien, Derk Frank, Sabrina Ballhausen, Alin Viebke, Anne Hermes, Olga Muljukov, Karl Georg Haeusler, Nour Eddine El Mokhtari, Martin Witzernath, Thomas Zoller, Jörg Janne Vehreschild, Sina Hopff, Gabriele Anton, Dagmar Krefting, Lennart Reinke, Grit Hein, Felipe A. Montellano, Mirjam Kohls, Caroline Morbach, Stefan Störk, Jens-Peter Reese, Thomas Keil, Peter Heuschmann, Michael Krawczak, Stefan Schreiber

The Relationship Between Functional Status and Fatigue After COVID-19 Infection

Ipek Çaylı Candemir (Ankara, Turkey), Pınar Ergun, Dicle Kaymaz, Ipek Özmen, Elif Yıldırım, Asli Görek Dilektasli, Busra Yigitler, Deniz Kizilirmak, Seçil Sarı, Celalettin Korkmaz, Cantürk Taşçı, Yakup Arslan, Sema Savcı, Buse Kahraman, Aylin Tanrıverdi, Can Sevinç, Melda Sağlam, Deniz Inal Ince, Naciye Vardar Yaglı, Ebru Kütükçü, Dilber Durmaz, Neslihan Durutürk, Gaye Ulubay, Lütfiye Kılıç, Benan Çağlar, Aylin Moray, Sabri Serhan Olcay

Aerobic Training Reduces Chronic Airway Inflammation and Mediators of Remodeling in Asthma

Rodolfo De Paula Vieira (Sao Jose Dos Campos (SP), Brazil), Renilson Moraes-Ferreira, Maysa A. R. Brandao-Rangel, Anamei Silva-Reis, Victor H. S. Palmeira, Helida C. Aquino-Santos, Claudio R. Frison

Effectiveness of a long-term home-based exercise training in COPD patients: The HOMEX-2 RCT

Anja Frei (Zürich, Switzerland), Thomas Radtke, Kaba Dalla Lana, Ramona Kunz, Tamara Cerini, Milo A. Puhon

Predictors of disability in activities of daily living in people with advanced respiratory disease

Lucy Fettes (London, United Kingdom), Joanne Bayly, Emeka Chukwusa, Stephen Ashford, Irene Higginson, Matthew Maddocks

Single breath counting as a respiratory muscle function assessment test

Selin Ercan (Izmir, Turkey), Christopher David Turnbull, Kathryn Bowyer, Megan Haines, John R Stradling, Annabel H Nickol

Actionable factors fostering scalability of prehabilitation

Raquel Sebio Garcia (Barcelona, Spain), Raquel Risco, Rubén González-Colom, Mar Montané-Muntané, Isaac Cano, Emili Vela, Fernando Dana, Joan Faner, Miquel Coca, Sara Laxe, Josep Roca, Graciela Martínez-Pallí

Late Breaking Abstract - Muscle volume, functionality and metabolic resilience during recovery following severe COVID-19

Ayushman Gupta (Boston (Lincolnshire), United Kingdom), Rosemary Nicholas, Jordan Mcging, Aline Nixon, Joanne Mallinson, Sebastian Serres, James Bonnington, Tricia McKeever, Tricia McKeever, Ian Hall, Janet Lord, Janet Lord, Rachael Evans, Rachael Evans, Paul Greenhaff, Susan Francis, Charlotte Bolton

Discussion

8M Session 14:15 - 15:30

Oral presentation: Translational research in sleep apnoea: from the molecule and the signal to the clinic

Disease(s) : Sleep and breathing disorders**Method(s) :** Cell and molecular biology Physiology General respiratory patient care Pulmonary function testing**Chairs :** Claire Arnaud (Grenoble, France), Manuel Sanchez De La Torre (Lleida, Spain)**Sleep apnea syndrome and atherosclerosis: VE-Cadherin as a new antiatherogenic target?**

Olfa Harki (LA TRONCHE, France), Sophie Bouyon, Emeline Lemarié, Alexandra Demory, Carole Chirica, Isabelle Vilgrain, Jean-Louis Pépin, Gilles Faury, Anne Briançon-Marjollet

Proteomic profiling in patients with acute coronary syndrome and obstructive sleep apnea: A post-hoc analysis from the ISAACC study.

Andrea Zapater Matute (Lleida, Spain), Esther Gracia-Lavedan, Gerard Torres, Alicia Sánchez-De-La-Torre, Albina Aldoma, Olga Mínguez, Lydia Pascual, Anunciación Cortijo, Dolores Martínez, Ivan David Benitez, Ferran Barbé, Manuel Sánchez-De-La-Torre

The effect of the GLP-1 analogue Liraglutide on intermittent hypoxia-induced systemic insulin resistance in vivo

Ailbhe King (Dublin 4, Ireland), Claire Arnaud, Guillaume Vial, Emma Billoir, Bilgehan Ozcan, Elise Belaidi, Cliona O'Donnell, Silke Ryan

Short-term continuous positive air pressure (CPAP) treatment: effects on cardiac structural changes and function in patients with obstructive sleep apnea (OSA)

Laima Kondrataviciene (Kaunas, Lithuania), Egle Tamulenaite, Egle Ereminiene, Skaidrius Miliauskas

Long non-coding RNA FKSG29 over-expression in patients with obstructive sleep apnea modulates intermittent hypoxia-induced oxidative stress and cell apoptosis via sponging miR-23a-3p-IL6R signaling

Yung-Che Chen (Kaohsiung, Taiwan), Meng-Chih Lin, Po-Yuan Hsu, Chang-Chun Hsiao, Ting-Ya Wang

Polysomnographic characterization of the circadian blood pressure patterns in patients with obstructive sleep apnea

Lucia Pinilla (Lleida, Spain), Olga Mínguez, Maria Aguilà, Rafaela Vaca, Iván David Benítez, Gerard Torres, Olga Mediano, Juan Fernando Masa, Maria Jose Masdeu, Ferran Barbé, Manuel Sánchez-De-La-Torre

Autophagy impairment in patients with obstructive sleep apnea mediates intermittent hypoxia-induced apoptosis and cytotoxicity via hypermethylation of the MAP1LC3B and ATG5 promoter regions

Yung-Che Chen (Kaohsiung, Taiwan), Meng-Chih Lin, Po-Yuan Hsu, Chang-Chun Hsiao, Ting-Ya Wang

Intermittent hypoxia and pregnancy in a rat model: respiratory and metabolic effects on mothers and offspring

Esther Valverde Pérez (Valladolid, Spain), Jesus Prieto-Lloret, Oscar Ríos-Rodríguez, Marta De Pablos, Ángela Gómez-Niño, Ricardo Rigual, Ana Obeso, Isaac Almendros, Ramón Farré, Asunción Rocher, Elena Olea

DYSLIPIDEMIA PREVALENCE IN NON-OBESE NON-DIABETIC PATIENTS WITH OBSTRUCTIVE SLEEP APNEA: DOES SEX MATTER?

Mehmet Sezai Taşbakan (Izmir, Turkey), Ozen K. Basoglu, Merak Kayikcioglu

Late Breaking Abstract - Inflammasome activation: A keystone of proinflammatory response in obstructive sleep apnea

Fundación investig. Biomédica G83727057 (Madrid, Spain), Sara García, Enrique Alfaro, Ana Jaureguizar, Raquel Casitas, Begoña Sanchez, Ester Zamarrón, Juan Fernández, Francisco García, carolina cubillos

Discussion

8L

Session

14:15 - 15:30

Oral presentation: Improving respiratory management in primary care**Disease(s) :** Airway diseases**Method(s) :** Epidemiology General respiratory patient care Public health Pulmonary rehabilitation Pulmonary function testing**Chairs :** Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Ana Viejo (Santander, Spain)**Impact of exacerbations in GOLD A patients**

Anders Løkke (Højbjerg, Denmark), Peter Lange, Rikke Ibsen, Per Bakke, Lene Maria Ørts

Investigating the impact of a structured diagnostic pathway for chronic breathlessness on patient reported outcomes: a feasibility cluster RCT in primary care

Gillian Doe (Leicester, United Kingdom), Jill Clanchy, Simon Wathall, Shaun Barber, Chantrell Stacey, Sarah Edwards, Helen Evans, Darren Jackson, Noel Baxter, Michael Steiner, Rachael Evans

Delivery of supported self-management in asthma reviews: an observational study

Emma Kinley (Edinburgh, United Kingdom), Kirstie Mcclatchey, Liz Steed, Hilary Pinnock

Annual and post-exacerbation follow-up of COPD patients in clinical practice – a large population-based study in Sweden

Christer Janson (Uppsala, Sweden), Hanna Sandelowsky, Fredrik Wiklund, Gunilla Telg, Sofie De Fine Licht, Björn Stållberg

Rate of admission and readmission to the emergency department (ED) associated with physician visits among patients with asthma

Irvin Mayers (Edmonton (AB), Canada), Stephen Noorduy, Arsh Randhawa, Mena Soliman, Manisha Talukdar, Christina Qian, Karissa Johnston, Pramoda Jayasinghe, Mohit Bhutani

Incidence of physical frailty in older subjects with lung function impairment and frailty transitions: a population-based study.

Lies Lahousse (Ghent, Belgium), Sara Wijnant, Elizabeth Benz, Annemarie Luik, Fernando Rivadeneira, Trudy Voortman, Guy Brusselle

IMplementing IMProved Asthma self-management as RouTine (IMP2ART) in primary care: internal pilot for a cluster randomised controlled trial

Kirstie McClatchey (Edinburgh, United Kingdom), Jessica Sheringham, Atena Barat, Brigitte Delaney, Barbara Searle, Viv Marsh, Vicky Hammersley, Stephanie Taylor, Hilary Pinnock

Pulmonary rehabilitation using peer volunteers in a rural Indian setting: A feasibility study

BISWAJIT PAUL (Vellore, India), Paul Jebaraj, Rita Isaac, Deepa Das, John Norrie, David Weller

Covid Virtual Ward: Are we effectively managing patients in the community following hospitalisation from Acute COVID infection?

Sarah Sibley (Altrincham (Cheshire), United Kingdom), Emma Rickards, Dennis Wat

Discussion**8A (live-streamed)****Session****14:15 - 15:45****Clinical cases: Imaging clinical cases****Challenges in imaging of emphysema and interstitial lung diseases**

Aims : to provide a case-based session, with a special focus on imaging, that explains the role of imaging of emphysema in a preoperative setting and evaluation before endobronchial valve implantation or LVRS, with a special focus on available imaging software, the role of the new imaging technique photon counting CT in comparison with HRCT for ILD imaging and how to identify the most common ILD patterns on HRCT. A clinician and a radiologist will evaluate the cases, and there will be interactive involvement of the audience.

Disease(s) : **Airway diseases** **Interstitial lung diseases** **Sleep and breathing disorders**

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Imaging

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic surgeon, Respiratory therapist

Chairs : Walter De Wever (Leuven, Belgium), El bieta Magdalena Grabczak (Warszawa, Poland), Daniela Gompelmann (Vienna, Austria)

14:15 Patients with lung emphysema: endobronchial valves or surgery?
Stephanie Everaerts (Leuven, Belgium)

14:30 Patients with lung emphysema: radiological preoperative setting
Walter De Wever (Leuven, Belgium)

14:45 Discussion and Q&A

15:00 Patients with ILDs: prognostic markers of disease progression
Veronika Müller (Budapest, Hungary)

15:15 Patients with ILDs: radiological signs and artificial intelligence possibilities
Helmut Prosch (Wien, Austria)

15:30 Discussion and Q&A

8C (live-streamed)**Session****14:15 - 15:45****State of the art session: Respiratory critical care**

Aims : to discuss the key characteristics of the different acute respiratory disease syndrome phenotypes and how these affect clinical management; to discuss the pathophysiology of lung injury induced by high respiratory effort and how clinical management can reduce the risk of lung injury caused by high patient effort; to discuss the principles of novel techniques for respiratory monitoring and how their clinical application can improve outcomes; to discuss the role of different techniques for noninvasive respiratory support in patients with acute hypoxemic failure.

Disease(s) : Respiratory critical care

Method(s) : General respiratory patient care Physiology Respiratory intensive care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Respiratory critical care physician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

Chairs : Maxime Patout (Paris, France), Maria Bonsignore (Palermo, Italy), João Carlos Winck (Vila Nova de Gaia, Portugal)

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|-------|--|
| 14:15 | Phenotyping in acute respiratory distress syndrome: clinical implications
Carolyn Calfee (San Francisco, United States) |
| 14:30 | Patient self-inflicted lung injury: clinical implications
Laurent Brochard (Toronto (ON), Canada) |
| 14:45 | Advanced respiratory monitoring in acute respiratory failure: clinical implications
Lise Piquilloud (Lausanne, Switzerland) |
| 15:00 | High-flow nasal oxygen or noninvasive ventilation for patients with acute hypoxemic failure
Stefano Nava (Bologna (BO), Italy) |
| 15:15 | Discussion and Q&A |

Studio Session 14:15 - 15:15

Online skills lab: Right heart catheterisation

Aims : To learn the principles of a safe right heart catheterisation. To learn how to obtain the correct pressure wave recordings and obtaining the correct references. To learn to interpret the right heart catheterisation in a correct way. To learn the principles of NO testing and performing an exercise test.

Chairs : Mona Lichtblau (Zürich, Switzerland), Gabor Kovacs (Graz, Austria), Olivier Sitbon (Le Kremlin-Bicêtre, France)

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|-------|---|
| 14:15 | Right heart catheterisation procedure from the Amsterdam lab: jugular approach
Mona Lichtblau (Zürich, Switzerland), Gabor Kovacs (Graz, Austria) |
| 15:00 | Discussion and Q&A
Mona Lichtblau (Zürich, Switzerland), Gabor Kovacs (Graz, Austria) |

8F Session 14:15 - 15:30

Mini symposium: Long-term impact of cystic fibrosis transmembrane conductance regulator modulators in cystic fibrosis patients and potential changes in the management of the disease in CF units

Long-term effects of CFTR modulators in cystic fibrosis

Aims : To review the expected changes associated with the introduction of cystic fibrosis transmembrane conductance regulator (CFTR) modulators in the management of CF patients; to particularly review how the clinical management of paediatric and adult CF patients could change in the future considering the potential benefits of these drugs on disease progression, but also in consideration of potential side effects; to discuss the perspective of early treatment in CF children and the applications of CFTR modulators in special subgroups of CF patients, such as nonresponders and those with rare mutations; to provide a session that is intentionally translational and directed at different specialists and disciplines involved in the management of CF patients.

Disease(s) : Paediatric respiratory diseases Respiratory infections

Method(s) : Cell and molecular biology Epidemiology

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist, Journalist

Chairs : Catherine Greene (Dublin 9, Ireland), Refika Hamutcu Ersu (Ottawa, Canada)

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| 14:15 | How CFTR modulators are expected to change the management of CF and its comorbidities
Stuart Elborn (Belfast (Belfast), United Kingdom) |
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- 14:30** **Impact of CFTR modulators on disease progression in children with CF**
Marcus Mall (Berlin, Germany)
-
- 14:45** **Nonresponders and rare mutation classes: ex vivo models to test CFTR modulator efficacy**
Irene Oglesby (Dublin 9, Ireland)
-
- 15:00** **Discussion and Q&A**

8D Session 14:30 - 16:50

Skills workshop: SW9 Thoracic ultrasound

Aims : To describe the current use of thoracic ultrasound and to provide participants with the opportunity to perform this technique using training models, simulators, volunteers and patients.

Disease(s) : Thoracic oncology Interstitial lung diseases

Tag(s) : Clinical

Chairs : Konstantina Kontogianni (Heidelberg, Germany)

- 14:30** **The normal thoracic cavity**
Valentina Pinelli (Sarzana, Italy), Beenish Iqbal (London, United Kingdom)
-
- 15:00** **Pleural effusion and/or pleural thickening**
Gilles Mangiapan (Creteil, France), Giovanni Volpicelli (Torino (TO), Italy)
-
- 15:30** **Case studies**
Hugh Welch (Bristol, United Kingdom), John Wrightson (Oxford, United Kingdom)
-
- 16:00** **Lymph node biopsy using models**
Rachid Tazi Mezalek (Barcelona, Spain), Rachel Mercer (Winchester, United Kingdom)

Studio Session 15:30 - 16:30

Language session: French programme 2022

A joint ERS/SPLF session

Aims : Le texte sera adressé ultérieurement

Disease(s) : Airway diseases Interstitial lung diseases Respiratory infections

Tag(s) : COVID

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Respiratory critical care physician, Radiologist

Chairs : Marc Humbert (Le Kremlin-Bicêtre, France), Marion Delcroix (Leuven, Belgium), Jesus Gonzalez Bermejo (Montlignon, France)

- 15:30** **Recommandations pour la prise en charge de l'asthme : GINA 2021 versus SPLF 2021 / Recommendations for the management of asthma**
Chantal Raherison-Semjen (Pointe-à-Pitre, Guadeloupe)
-
- 15:40** **Que retenir des recommandations internationales sur les pneumopathies d'hypersensibilité ? / International recommendations on hypersensitivity pneumonitis**
Vincent Cottin (Lyon, France)
-
- 15:50** **Discussion and Q&A**
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- 16:00** **Embolie pulmonaire et exacerbation de BPCO / Pulmonary embolism and exacerbation of COPD**
Francis Couturaud (Brest, France)
-
- 16:10** **Actualités Covid-19 / The latest on COVID-19**
Claire Andrejak (Amiens, France)
-
- 16:20** **Discussion and Q&A**

8L Session 15:45 - 17:00

Oral presentation: Nursing aspects in asthma and COPD: self-management and pulmonary rehabilitation

Disease(s) : Airway diseases

Method(s) : Cell and molecular biology Pulmonary rehabilitation Respiratory intensive care General respiratory patient care Public health

Chairs : Andreja Sajnic (Zagreb, Croatia), José Miguel Dos Santos Castro Padilha (Porto, Portugal)

Comparing results of the Asthma Control Test and Severe Asthma Quality of life Questionnaire in patients with severe asthma on biologics

Mariana Rezelj (Stahovica, Slovenia), Jana Tršan, Irena Počvavšek, Tea Močnik, Anja Simonič, Tina Morgan, Peter Kopač, Sabina Škrbat

Impact on the quality of life of patients with COPD after three non-pharmacological interventions.

Sabina Miranda Valladares (La Laguna, Spain), Belen Gonzalez Sanchez, Marta Entrambasaguas Martin, Francisca Bernal Prados, Marta Perez Redondo, Maria Jesus Prunera Pardell, Adolfo Domenech Del Rio

The impact on number of hospitalizations and length of hospital stay for patients with advanced COPD affiliated with a cross-sectorial lung team.

Birgit Refsgaard Iversen (Århus N, Denmark), Lotte Rodkjaer, Vibeke Bregnballe, Anders Løkke

Patients' experience of automated oxygen administration during hospitalization with acute exacerbation in COPD - a qualitative study.

Charlotte Sandau Bech (Hvidovre, Denmark), Ingrid Poulsen, Vibeke Nørholm, Dorthe Gaby Bove

Pain perception in COPD patients across the COVID-19 pandemic

Maria Granados Santiago (Alcaudete, Spain), Jesús González Dueñas, Andrés Calvache Mateo, Ángela Benítez Feliponi, Alejandro Heredia Ciuró, Marie Carmen Valenza

Pulmonary rehabilitation maintenance programmes: What makes the difference?

Liliana Silva (Matosinhos, Portugal), Tiago Maricoto, Patrício Costa, Joana Berger, Miguel Padilha

The effect of early pulmonary rehabilitation on the treatment of ICU chronic obstructive pulmonary disease with severe respiratory failure

Fangbo Zhao (Changchun (Jilin), China)

Pulmonary telerehabilitation in the COVID era - pilot program

Sérgio Filipe Alves Vaz (Vila Real, Portugal), Ana Isabel Loureiro, Rita Queiros Rodrigues, Miguel Padilha

Lockdown impact in patients with severe and very severe COPD

Sabina Miranda Valladares (La Laguna, Spain), Marta Entrambasaguas Martin, Belen Gonzalez Sanchez, Marta Perez Redondo, Francisca Bernal Prados, Maria Jesus Prunera Pardell, Adolfo Domenech Del Rio

Late Breaking Abstract - Development, and evaluation of a handheld digital inspiratory airflow resistance monitor, to aid remote respiratory consultations in primary care, post the COVID-19 pandemic.

Lindsay Welch (Southampton (Hampshire), United Kingdom), Kacper Wlodarczyk, Aditya Revat, George Everdell, Martin Grigorov, Neil White

Discussion

8M

Session

15:45 - 17:00

Oral presentation: Relevant news in rare interstitial lung diseases

Disease(s) : [Interstitial lung diseases](#) [Respiratory critical care](#)

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Imaging Cell and molecular biology Epidemiology Respiratory intensive care Pulmonary function testing

Chairs : Elisabeth Bendstrup (Aarhus N, Denmark), Cormac McCarthy (Dublin 4, Ireland)

Pleuropulmonary manifestations of VEXAS syndrome

Raphaël Borie (Paris, France), Marie Pierre Debray, Alexandra Audemard, Alexis Guedon, Louis Terriou, Valentin Lacombe, Estibaliz Lazaro, Aurore Meyer, Alexis Mathian, Samuel Ardois, Guillaume Vial, Thomas Moulinet, Benjamin Terrier, Yvan Jamilloux, Mael Heblig, Jean David Bouaziz, Eve Zakine, Roderau Outh, Sylvie Groslerons, Adrien Bigot, Edouard Flamarion, Marie Kostine, Pierrick Henneon, Sebastien Humbert, Arnaud Constantin, Maxime Samson, Nadine Magy, Celine Dieval, Pascal Biscay, Hervé Lobbes, Kilifa Meghit, Amelie Servettaz, Leo Adelaide, Julie Graveleau, Benjamin De Sainte Marie, Vivien Guillotin, Joris Galland, Olivier Kostminder, Sophie Georgin Lavaille, Arsene Mekinian

Exploring the role of matrix metalloproteinase 2 (MMP-2) as a biomarker in lymphangiomyomatosis

Meritxell Boada Pérez (Barcelona, Spain), Eva Maria Revilla Lopez, Victoria Ruiz De Miguel, Susana Gomez Ollés, Berta Saez

COVID-19 in patients with Pulmonary Alveolar Proteinosis A European multicenter study

Effrosyni D. Manali (Athens, Greece), Spyros Papis, Ilaria Campo, Francesca Mariani, Maria Kallieri, Lykourgos Kolilekas, Andriana I Papaioannou, Efsun Gonca Chousein, Erdogan Cetinkaya, Francesco Bonella, Raphael Borie, Maria Kokosi, Thomas Pickworth, Maria Molina-Molina, Mercè Gasà, Elżbieta Radzikowska, Justyna Fijolek, Stéphane Jouneau, Emmanuel Gomez, Cormac Mccarthy, Elisabeth Bendstrup, Wojciech J. Piotrowski, Rishi Pabary, Alice Hadchouel, Nathalie Coolen-Allou, Tiago Alfaro, Carlos Robalo Cordeiro, Elvira-Markela Antonogiannaki, Ioannis P. Tomos, Despoina Papakosta, Theodoros Kontakiotis, Panagiota Panagiotou, Konstantinos Douras, Andrea Schams, Sara Lettieri, Vassiliki Papaevangelou, Christina Kanaka-Gantenbein, Anna Karakatsani, Stelios Loukides, Ulrich Costabel, Bruno Crestani, Cliff Morgan, Ryushi Tazawa, Andrew Bush, Matthias Griese

High Prevalence and impact of lung cancer in Surfactant related gene mutation carriers

Alexandre Brudon (Paris, France), Nadia Nathan, Marie Legendre, Serge Amselem, Julien Bermudez, Diane Bouvry, Jacques Cadranet, Aurélie Cazes, Tristan Degot, Céline Delestrain, Rémi Diesler, Ralph Epaud, Pascale Fanen, Anne Gondouin, Anne Guillaumot, Sandrine Hirschi, Sylvie Leroy, Sylvain Marchand-Adam, Hilario Nunes, Clément Picard, Grégoire Prévot, Martine Reynaud, Paul De Vuyst, Lidiwine Wemeau, Bruno Crestani, Gérard Zalcman, Vincent Cottin, Raphael Borie

Two distinct trajectories of FEV1 in Adult Pulmonary Langerhans Cell Histiocytosis

Amira Benattia (Paris (Île-de-France), France), Raphaël Porcher, Emmanuelle Bugnet, Constance De Margerie-Mellon, Gwenaél Lorillon, Abdellatif Tazi

Correlation of radiological findings and pulmonary function tests in pulmonary alveolar microlithiasis

Punchalee Kaenmuang (Songkhla, Thailand), Asma Navasakulpong

A DIPNECH deep dive

Marissa O'Callaghan (County Cork, Ireland), Hussein Almeamar, Margaret Gleeson, David Murphy, Dermot O'Toole, Aurelie Fabre, Rachel Crowley, Cormac Mccarthy

Cyst burden on high-resolution computed tomography (HRCT) correlates with VEGF-D in lymphangioleiomyomatosis

Evelyn Lynn (Blackrock (Co. Dublin), Ireland), Marissa Ocallaghan, Joseph Morrow, Niamh Boyle, Aurelie Fabre, Jonathan Dodd, Michael Keane, David Murphy, Cormac Mccarthy

Plasma exchange are not associated with better outcome in MDA5 Rapidly-Progressive Interstitial Lung disease.

Pierre Bay (Creteil, France), Marc Pineton De Chambrun, Rothstein Vicent, Matthieu Mahevas, Nicolas De Prost, Antoine Roux, Benjamin Zuber, Dominique Israël-Biet, Abdellatif Tazi, Hervier Baptiste, Mouthon Luc, Arsene Mekinian, Christophe Deligny, Raphael Borie, Jean Claude Meurice, Alain Meyer, Pascaline Priou, Laurent Savale, Luc De Saint Martin, Pierre Yves Brillet, Philippe Khafagy, Olivier Benveniste, Hilario Nunes, Yves Allenbach, Yurdagul Uzunhan

Discussion

8N

Session

15:45 - 17:00

Oral presentation: Pneumonia

Disease(s) : Airway diseases Respiratory critical care

Method(s) : General respiratory patient care Respiratory intensive care Cell and molecular biology Epidemiology Public health

Chairs : Tobias Welte (Hannover, Germany), Maurizio Sanguinetti (Rome, Italy)

Investigating neutrophil AMPK activity in COVID-19 and pneumonia

Yan Hui Giam (Dundee (Angus), United Kingdom), Merete B Long, Lilia Delgado, Hani Abo-Leyah, Holly R Keir, Thomas Pembroke, Rebecca Hull, Amy Gilmour, Chloe Hughes, Hollian Richardson, Diane Cassidy, Amelia Shoemark, James D Chalmers

Clinical efficacy between cefoperazone-sulbactam and prolonged infusion of piperacillin-tazobactam in the treatment of severe CAP, HAP and VAP: a retrospective multicenter cohort study

Chuan Yen Sun (Taipei, Taiwan), Wei Chih Chen

The efficacy of telavancin in comparison to linezolid on endotracheal tube biofilm in pigs with MRSA pneumonia>

KASRA KIAROSTAMI (Barcelona, Spain), Denise Battaglini, Anna Motos, Leticia Bueno Freire, Alba Soler Comas, Hua Yang, Minlan Yang, Francesco Pagliara, Eli Aguilera Xiol, Andrea Meli, Joaquim Bobi, Tarek Senussi Testa, Francesco Idone, Montserrat Rigol, Gianluigi Li Bassi, Laia Fernández-Barat, Antoni Torres

Machine learning for mortality prediction in community-acquired pneumonia emergency admissions

Daniel Lozano-Rojas (Leicester, United Kingdom), Alistair A Mcewan, Gerrit Woltmann, Robert C Free

Patients with COVID-19 versus non-COVID-19 community-acquired pneumonia

Athanasios Konstantinidis (Ioannina, Greece), Adamantia Liapikou, Haralampos Milionis, Angelos Liontos, Vasilios Tsimihodimos, Konstantinos Exarchos, Konstantina Gartzonika, Christos Kittas, Gerasimos Baxevas, Thomas Tzimas, Evaggelia Chrysostomou, Nikolaos Zotos, Lampros Papageorgiou, Chrysavgi Terrovitou, Daniil Daniilidis, Charalampos Triantafyllidis, Theodora Argiriadou, Anastasia Chli, Eleni Tsouchnika, Vasiliki Kossyvakis, John Skiadas, Damianos Menegas, Cristina Méndez, Claudia Schwarz, Elizabeth Begier, Bradford D. Gessner, Michael Toumbis, Study Egnatia Group

Impact of severe lymphopenia on outcome of patients with pneumonia and positive pneumococcal urinary antigen

Luis Alberto Ruiz Iturriaga (Barakaldo (Vizcaya), Spain), Leyre Serrano Fernández, Silvia Pérez-Fernández, Sonia Castro Quintas, Amaia Urrutia Gajate, Beatriz González Quero, Alejandro Rezola Carasusan, Amaia Artaraz Ereño, Ainhoa Gómez Bonilla, Pedro Pablo España Yandiola, Rafael Zalacain Jorge

Development of AI models to predict mortality and long-term hospitalization in pneumonia

Taiki Furukawa (Nagoya (Aichi), Japan), Shintaro Oyama, Kikue Sato, Shotaro Misawa, Ryuji Kano, Hirokazu Yarimizu, Yoshimune Shiratori

Neutrophils in elderly hospitalised community acquired pneumonia patients are immature and migrate inaccurately

Aduragbemi Faniyi (Birmingham, United Kingdom), Frances Grudzinska, Onn Thein, Kylie Belchamber, Jaimin Patel, Dhruv Parekh, Aaron Scott, Elizabeth Sapey, David Thickett

The diagnostic and prognostic role of plasminogen activator inhibitor-1 (PAI-1) in hospitalized patients with pneumonias of different etiologies

Kseniia Bielosludtseva (Dnepropetrovsk, Ukraine)

Late Breaking Abstract - Are undernutrition and obesity associated with poor outcomes after hospitalization with community-acquired pneumonia – a prospective cohort study.

Maria Hein Hegelund (Hillerød, Denmark), Camilla Koch Rysø, Christian Ritz, Arnold Dungu, Rikke Krogh-Madsen, Birgitte Lindegaard, Daniel Faurholt-Jepsen

Discussion

8F

Session

15:45 - 17:00

Oral presentation: New insights into diagnostic and experimental paediatric pulmonology**Disease(s) :** Airway diseases**Method(s) :** Imaging Pulmonary function testing Endoscopy and interventional pulmonology General respiratory patient care Physiology**Chairs :** Dirk Schramm (Düsseldorf, Germany), Raffaella Nenna (Rome, Italy)**Histological and structural effects of biodegradable polydioxanone stents in the rabbit trachea.**

Alvaro Gimeno Diaz De Atauri (Madrid, Spain), Alvaro Gimeno, Rocio Morante, Alicia Usategui, María López, M^a Carmen Luna, Salome Albi, Jose L. Pablos, Juan L. Anton-Pacheco Sanchez

Caspase-1 and interleukin-18 in children with post infectious bronchiolitis obliterans

Tugba Şişmanlar Eyuboglu (Ankara, Turkey), Ayse Tana Aslan, Tugba Ramaslı Gursoy, Sevgi Pekcan, Mehmet Kose, Melih Hangul, Latife Arzu Aral, Vedat Bulut

Comparison of the lung clearance index in preschool children with primary ciliary dyskinesia and cystic fibrosis

Jobst Röhmel (Berlin, Germany), Friederike Doerfler, Cordula Koerner-Rettberg, Folke Brinkmann, Anne Schlegtendal, Martin Wetzke, Isa Rudolf, Simone Helms, Joerg Grosse-Onnebrink, Yin Yu, Thomas Nuesslein, Irena Wojsyk-Banaszak, Sebastian Becker, Olaf Eickmeier, Olaf Sommerburg, Heymut Omran, Mirjam Stahl, Marcus Mall

Low nitric oxide in Primary Ciliary Dyskinesia due to impaired NOS activity – data driven hypothesis

Anne Schlegtendal (Bochum, Germany), Lisa Eggenkemper, Folke Brinkmann, Thomas Lücke, Christoph Maier, Dimitrios Tsikas, Cordula Koerner-Rettberg

Diffusion capacity for nitric oxide (DLNO) in paediatric cardiopulmonary disease

Astrid Madsen Ring (Gentofte, Denmark), Frederik Fourinaies Buchvald, Kim Gjerum Nielsen

The Relationship of Radiological Scoring with Clinical Findings and Pulmonary Function Decline in Primary Ciliary Dyskinesia

Nagehan Emiralioglu (Ankara, Turkey), Berna Oguz, Beste Özsezen, Dilber Ademhan Tural, Birce Sunman, Halime Nayır Büyükkahin, İsmail Güzelkaş, Didem Alboğa, Meltem Erdal, Ebru Yalçın, Deniz Doğru, Nural Kiper, Uğur Özçelik

The 'knee' pattern in spirometry flow-volume curve in children: does it relate to tracheomalacia?

Wicharn Boonjindasup (Bangkok, Thailand), Julie Marchant, Margaret Mcelrea, Stephanie Yerkovich, Rahul Thomas, Ian Masters, Anne Chang

Late Breaking Abstract - Saliva as an alternative to nasopharyngeal swabs for detection of respiratory syncytial virus (RSV) in children

Annefleur Langedijk (Utrecht, Netherlands), Orchid Allicock, Michelle Van Wijk, Devyn Yolda-Carr, Daniel Weinberger, Anne Wyllie, Louis Bont

Discussion**8H (live-streamed) Session 16:00 - 17:30****Symposium: Malignant pleural effusion management: applying the evidence in 2022 Session**

Aims : to review the current biological understanding and potential mechanisms of malignant effusion progression and the implications for practice; to explain the relationship between anatomy, physiology and symptoms in pleural disease and the implications for practice; to describe evidence about optimal talc pleurodesis, including its use thoracoscopically; to provide insight into the current evidence for adjunctive treatments with indwelling plural catheters and novel indwelling plural catheter devices and their evidence.

Disease(s) : Thoracic oncology**Method(s) :** Cell and molecular biology Endoscopy and interventional pulmonology General respiratory patient care**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Respiratory critical care physician, Pathologist, Radiologist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon**Chairs :** Najib M. Rahman (Oxford, United Kingdom), Georgia Hardavella (Athens, Greece)

16:00 From malignant effusion to malignant progression: what do translational studies tell us?
Rachelle Ascik (SIGGIEWI, Malta)

16:15 Understanding the impact, treatment response and outcome of malignant pleural effusions
Gary Yc Lee (Perth (WA), Australia)

16:30 Inpatient pleurodesis: translating the evidence into practice
Najib M. Rahman (Oxford, United Kingdom)

16:45 Adjunctive indwelling pleural catheter management: from outpatient talc to drug-eluting catheters
Nick Maskell (Bristol (Avon), United Kingdom)

17:00 Discussion and Q&A

8B (live-streamed) Session 16:00 - 17:30**Hot topics: Towards elimination of COPD****Innovative views from the Lancet Commission on COPD**

Aims : From a revised definition of the disease and its exacerbations to a new aetiological classification, the Lancet Commission on COPD puts forward unprecedented concepts around needed steps to undermine one of the major health problems worldwide. The aims of this session are as follows: to identify the reasons why COPD became a worldwide major health problem; to discuss current shortcomings in COPD diagnosis and therapy; to explore new diagnostic methods for COPD; to appraise an unprecedented aetiological classification of the disease; to discuss the proposed work-up for an acute exacerbation and its diagnosis; to review unmet targets in COPD therapy; to identify deliverable read-outs for COPD control and elimination.

Disease(s) : Airway diseases Pulmonary vascular diseases Respiratory infections**Method(s) :** Cell and molecular biology General respiratory patient care Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist**Chairs :** Katerina Antoniou (Heraklion, Greece), Apostolos Bossios (Stockholm, Sweden), Sabine Kleinert (London, United Kingdom)

16:00 Why is COPD a pandemic? What matters to patients?
MeiLan K. Han (Ann Arbor, United States)

16:15 Revisiting the diagnosis and classification of COPD
Daiana Stolz (Basel, Switzerland)

16:30 Pharmacological and nonpharmacological unmet needs in COPD
Donald Sin (Vancouver (BC), Canada)

16:45 How do we eliminate COPD?
Mark Dransfield (Birmingham, United States)

17:00 Discussion and Q&A

8G (live-streamed) Session 16:00 - 17:30**Hot topics: The practice and the planet: how can climate change and air pollution be addressed from clinical practice?**

Aims : to provide an overview of the newest evidence of impacts of air pollution and climate change on respiratory health and discuss the role of respiratory clinicians in climate change mitigation and adaptation.

Disease(s) : Airway diseases Paediatric respiratory diseases Respiratory infections

Method(s) : Epidemiology General respiratory patient care Public health

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, General practitioner, Patient

Chairs : Sara De Matteis (Cagliari, Italy), Rafael E. de la Hoz (New York, United States)

16:00 Why should clinicians care about climate change?
Speaker to be confirmed

16:15 Planetary health as a priority in medical training
Josep Maria Anto Boque (Barcelona, Spain)

16:30 Clinical relevance of the new WHO air quality guidelines and how to consider exposure to low-levels of air pollution in adults: an overview
Zorana Andersen (Frederiksberg, Denmark)

16:45 Exposure to low-levels of air pollution and respiratory diseases in children: an overview
Erik Melén (Stockholm, Sweden)

17:00 Discussion and Q&A

8C (live-streamed) Session 16:00 - 17:30**Clinical cases: Lungs on fire: Respiratory critical care / Sleep and Breathing disorders**

Aims : To facilitate the presentation of real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

Disease(s) : Respiratory critical care Sleep and breathing disorders

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Respiratory critical care physician, General practitioner, Clinical researcher, Paediatrician, Physician in Pulmonary Training, Nurse, Physiologist, Medical Student

Chairs : Maxime Patout (Paris, France), Maria Bonsignore (Palermo, Italy), João Carlos Winck (Vila Nova de Gaia, Portugal)

Discussants : Marieke L. Duiverman (Groningen, Netherlands), Leo Heunks (Amsterdam, Netherlands)

16:00 Case 1 incl. panel discussion and Q&A - Author: J. P. Duarte dos Santos Oliveira Rodrigues (Portugal)
Marieke L. Duiverman (Groningen, Netherlands)

16:22 Case 2 incl. panel discussion and Q&A - Author: A. F. Pacheco Reyes (Spain)
Leo Heunks (Amsterdam, Netherlands)

16:44 Case 3 incl. panel discussion and Q&A - Author: A. Breslavsky (Israel)
Marieke L. Duiverman (Groningen, Netherlands)

17:06 Case 4 incl. panel discussion and Q&A - Author: M. Thilakarathna (Sri Lanka)
Leo Heunks (Amsterdam, Netherlands)

8A (live-streamed) Session 16:00 - 17:30**Clinical trials session: ALERT 4: Interventional pulmonology and asthma**

Aims : Including the ALERT sessions (Abstracts Leading to Evolution in Respiratory Medicine Trials), these formats showcase important and very late-breaking clinical trial data from all respiratory disease areas. Presenters, session chairs and viewers will take part lively discussions on the presented trials.

Disease(s) : Thoracic oncology Airway diseases**Method(s) :** Endoscopy and interventional pulmonology Imaging General respiratory patient care Surgery**Tag(s) :** Clinical**Chairs :** Walter De Wever (Leuven, Belgium), Elbieta Magdalena Grabczak (Warszawa, Poland), Daniela Gompelmann (Vienna, Austria)**Discussants :** Isabelle Opitz (Zurich, Switzerland), Discussant to be confirmed**Late Breaking Abstract - Tezepelumab reduces mucus plugging in patients with uncontrolled, moderate-to-severe asthma: the phase 2 CASCADE study**

Lars H Nordenmark (Oslo, Norway), Claire Emson, Åsa Hellqvist, James Johnston, Hans Greberg, Janet M. Griffiths, John D. Newell Jr, Jane R. Parnes, Gene Colice, Christopher E. Brightling

RCT Abstract - Use of digital measurement of medication adherence and lung function to guide the management of uncontrolled asthma: The INCA Sun randomized clinical trial

Richard Costello (Dublin 9, Ireland), Liam Heaney, Des Murphy, Elaine Machale

Wrap-up by discussant and discussion

Speaker to be confirmed

Late Breaking Abstract - Comparative Effect of Lung volume reduction surgery for Emphysema and Bronchoscopic lung volume reduction with valve placement: the CELEB trial.

Sara Catherine Buttery (London, United Kingdom), Adam Lewis, Lorna Latimer, Samuel V Kemp, Pallav L Shah, David Waller, Kelvin Lau, Simon Jordan, Neil Greening, Sri Rathinam, Winston Banya, Alan J B Kirk, Rocco Biliancia, Sara Tenconi, Kay Housley, Rod Lawson, Michael C Steiner, Nicholas S Hopkinson

Late Breaking Abstract - Sustained health-related quality of life in patients with severe heterogenous emphysema treated with spiration valve system at 24-month follow-up (EMPROVE)

Gerard J. Criner (Philadelphia, United States), Antoine Delage, Kirk Voelker, Simon Martel, Emprove Investigators The Emprove Trial Investigator Group

Wrap-up by discussant and discussion

Isabelle Opitz (Zurich, Switzerland)

A randomized controlled trial evaluating the benefit of cone beam CT guidance to electromagnetic navigation bronchoscopy for the diagnosis of pulmonary nodule

Benjamin Bondue (Bruxelles, Belgium), Olivier Taton, Fadi Tannouri, Myriam Remmelink, Dimitri Leduc

RCT Abstract - Endosonography with or without confirmatory mediastinoscopy for resectable lung cancer: A randomized clinical trial

Jouke T. Annema (Amsterdam, Netherlands), Jelle Bousema, Marcel Dijkgraaf, Erik Van Der Heijden, Ad Verhagen, Frank Van Den Broek

Wrap-up by discussant and discussion

Isabelle Opitz (Zurich, Switzerland)

Closing remarks**Studio Session 16:45 - 17:15****Pro-Con debate: Is pharmacological or non-pharmacological management the priority for the patient who wants to be "less breathless and do more"****Aims :** to describe the definition and prevalence of chronic breathlessness; to compare the latest evidence of pharmacological and nonpharmacological management for persons living with chronic breathlessness and identify the research gaps; to improve the clinical care of the person living with chronic breathlessness by utilising a blend of nonpharmacological and pharmacological strategies in the right patient at the right time.**Disease(s) :** Airway diseases Interstitial lung diseases**Method(s) :** General respiratory patient care Palliative care Pulmonary rehabilitation**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist**Chairs :** Richard Costello (Dublin 9, Ireland), Nicolas Roche (Paris, France), Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)**16:45 Pharmacological management is the priority to improve chronic breathlessness**

David Currow (Sydney (NSW), Australia)

16:55 **Non-pharmacological management is the priority to improve chronic breathlessness**
Rachael A. Evans (Leicester (Leicestershire), United Kingdom)

17:05 **Discussion and Q&A**

Studio	Session	17:15 - 17:30
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News from the Studio: Congress wrap-up

Chairs : Richard Costello (Dublin 9, Ireland), Christopher E. Brightling (Leicester (Leicestershire), United Kingdom), Nicolas Roche (Paris, France)

17:15 **Discussion and Q&A**

18:00-19:30

INDUSTRY EVENING SYMPOSIUM

SEE PAGE 1

PG room 1 Session 09:30 - 13:00

Postgraduate course: PG1 Part I: Cardiovascular and neurological consequences of obstructive sleep apnoea: an update

Aims : to summarise the current knowledge of the many clinical faces of obstructive sleep apnoea (OSA) characterised by a variable degree of daytime sleepiness, gender differences of OSA symptoms and differences in the presence of comorbid insomnia, resulting in various comorbidities. It will cover the heterogeneity of OSA and its cognitive outcomes, especially in terms of attention and executive functions, and the potential bidirectional relationship with dementia, focusing on early identification, prevention and treatment strategies. The physiological and biochemical mechanisms connecting OSA with metabolic syndrome and diabetes, clinically meaningful phenotyping, improved prognosis and personalised treatment will be covered. The impact of the severity of OSA on the risk and outcomes of cardiovascular diseases and evidence of the impact of OSA treated with or without continuous positive airway pressure (CPAP) on morbidity and mortality outcomes will be discussed. The challenges facing sleep medicine regarding the important effect of CPAP on patient outcomes and the role of compliance will be highlighted.

Disease(s) : Paediatric respiratory diseases Respiratory critical care Sleep and breathing disorders

Method(s) : Epidemiology General respiratory patient care Physiology

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist, Journalist

Chairs : Maria Bonsignore (Palermo, Italy), Matteo Bradicich (Zollikerberg, Switzerland)

09:30	Clinical OSA phenotypes from sleepiness to mild and asymptomatic OSA and their relevance Sophia E. Schiza (Heraklion, Greece)
09:50	Discussion and Q&A Sophia E. Schiza (Heraklion, Greece)
10:00	Stroke, minimal cognitive impairment/dementia and OSA: a bidirectional relationship? Speaker to be confirmed
10:20	Discussion and Q&A Speaker to be confirmed
10:30	Break
10:45	Various pathophysiological mechanisms leading to cardiovascular sequelae of OSA and their relevance Carolina Lombardi (Milano (MI), Italy)
11:05	Discussion and Q&A Carolina Lombardi (Milano (MI), Italy)
11:15	What is the impact of OSA treated with or without CPAP on cardiovascular morbidity and mortality outcomes? Dries Testelmans (Leuven, Belgium)
11:35	Discussion and Q&A Dries Testelmans (Leuven, Belgium)
11:45	Break
12:00	Group assignment Sophia E. Schiza (Heraklion, Greece), Carolina Lombardi (Milano (MI), Italy), Dries Testelmans (Leuven, Belgium), Speaker to be confirmed

PG room 1 Session 14:00 - 17:30

Postgraduate course: PG1 Part II: outcomes of central sleep apnoea and hypoventilation syndromes

Aims : to summarise the current knowledge of early recognition and effective hypoventilation treatment using various currently available treatment modalities with the scope to improve patient-centred outcomes; different clinical phenotypes of Central sleep apnoea (CSA) in heart failure (HF) patients, their correlation with prognosis and their relevance for identifying individualised therapeutic strategies to improve morbidity, mortality and patient-centred outcomes; early recognition and effective preoperative and postoperative management of patients with sleep-disordered breathing and use of anaesthetics to improve patient safety and outcomes of surgery; and various types of sleep diagnostic tests (type I-IV), their use depending on the patient's profile and their strengths and limitations.

Disease(s) : Paediatric respiratory diseases Respiratory critical care Sleep and breathing disorders**Method(s) :** Epidemiology General respiratory patient care Physiology**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist, Journalist**Chairs :** Dries Testelmans (Leuven, Belgium), Marta Susana Monteiro Drummond Freitas (Maia, Portugal)**14:00 Clinical phenotypes of CSA: relevance for treatment decisions and patient outcomes**
Winfried J. Randerath (Solingen, Germany)**14:20 Discussion and Q&A**
Winfried J. Randerath (Solingen, Germany)**14:30 Obesity hypoventilation syndrome: one size does not fit all. Which patients will benefit from various therapeutic options?**
Jean-Louis Pépin (Grenoble, France)**14:50 Discussion and Q&A**
Jean-Louis Pépin (Grenoble, France)**15:00 Break****15:15 Preoperative and postoperative evaluation of patients with various forms of sleep-disordered breathing: relevance for patient outcomes**
Özen K. Basoglu (Izmir, Turkey)**15:35 Discussion and Q&A**
Özen K. Basoglu (Izmir, Turkey)**15:45 Type I-IV diagnostic modalities: which one to choose according to various forms of sleep-disordered breathing**
Renata L. Riha (Edinburgh (Edinburgh), United Kingdom)**16:05 Discussion and Q&A**
Renata L. Riha (Edinburgh (Edinburgh), United Kingdom)**16:15 Break****16:30 Group assignment**
Winfried J. Randerath (Solingen, Germany), Jean-Louis Pépin (Grenoble, France), Özen K. Basoglu (Izmir, Turkey), Renata L. Riha (Edinburgh (Edinburgh), United Kingdom)**PG Room 2****Session****14:00 - 17:30****Postgraduate course: PG2 Paediatric respiratory diseases: focus on infections****Aims :** to provide clinicians with practical take-home messages regarding the key management and health policy issues related to respiratory disease in children, focusing on airway and lung infections; to provide a state-of-the-art update on four important paediatric topics, namely, SARS-CoV-2, infections in cystic fibrosis, tuberculosis and complicated pneumonia.**Disease(s) :** Airway diseases Paediatric respiratory diseases Respiratory infections**Method(s) :** Epidemiology General respiratory patient care Public health**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, General practitioner, Medical Student, Respiratory critical care physician, Paediatrician, Physician in Pulmonary Training, Respiratory therapist**Chairs :** Stefan Unger (Edinburgh (Edinburgh), United Kingdom), Marijke Proesmans (Leuven, Belgium)**14:00 SARS-CoV-2-associated lung infections in children**
Ahmad Kantar (Bergamo (BG), Italy)**14:20 Discussion and Q&A**
Ahmad Kantar (Bergamo (BG), Italy)**14:30 Infections in children with cystic fibrosis****14:50 Discussion and Q&A**

15:00 Break

15:15 Update on lung tuberculosis in children
James Seddon (London, United Kingdom)

15:35 Discussion and Q&A
James Seddon (London, United Kingdom)

15:45 Management of complicated pneumonia in children

16:05 Discussion and Q&A

16:15 Break

16:30 Group assignment
Ahmad Kantar (Bergamo (BG), Italy), James Seddon (London, United Kingdom)

PG room 1

Session

09:30 - 15:00

Postgraduate course: PG3 Pleural disease: Applying the evidence

Aims : to discuss the large volume of high-quality trial data being published about pleural disease, including phase III trials in several subspecialty areas and updated international guidelines that are due to be published in early 2022. In terms of malignant pleural effusion, participants will be able to select the optimal diagnostic strategy, including thoracoscopy and direct-to-biopsy approaches, and explain the proven advantages and disadvantages of different management options to facilitate patient-centred, evidence-based care. In terms of pleural infection, participants will be able to correctly diagnose and identify patients requiring drainage, adjunctive intrapleural therapies and referral for surgery, deploy risk prediction scores and explain relevant translational and antimicrobial data. In terms of pneumothorax, participants will be able to differentiate between patients requiring admission and those suitable for ambulatory management, based on recent phase III trials, and identify the importance of familial pneumothorax and ongoing trials, including those involving the use of suction. In terms of mesothelioma, participants will be able to select optimal diagnostic and treatment strategies including first- and second-line immunotherapy and learn about the role of regional multidisciplinary teams and options for patients with early-stage disease, including radical surgery and ongoing clinical trials.

Disease(s) : Respiratory infections Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Surgery

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Nurse, Physician in Pulmonary Training, Thoracic oncologist, Thoracic surgeon

Chairs : Kevin Blyth (Glasgow (Glasgow), United Kingdom), Nick Maskell (Bristol (Avon), United Kingdom)

09:30 Evidence-based diagnosis and management of malignant pleural effusion
Selina Tsim (Glasgow (Glasgow), United Kingdom)

09:50 Discussion and Q&A
Selina Tsim (Glasgow (Glasgow), United Kingdom)

10:00 Interactive case: malignant pleural effusion
Radhika Banka (Mumbai (Maharashtra), India)

10:30 Break

10:45 Stratified therapy for pleural infection: integrating outcome prediction, intrapleural therapy and surgery
Najib M. Rahman (Oxford, United Kingdom)

11:05 Discussion and Q&A
Najib M. Rahman (Oxford, United Kingdom)

11:15 Interactive case: pleural infection
Deidre Fitzgerald (Nedlands, Australia)

11:45 Break

12:00 Pneumothorax: is ambulatory care ready for prime time?
Rob Hallifax (Oxford (Oxfordshire), United Kingdom)

12:20 Discussion and Q&A
Rob Hallifax (Oxford (Oxfordshire), United Kingdom)

12:30 Interactive case: pneumothorax
Julius P. Janssen (Nijmegen, Netherlands)

13:00 Lunch break

14:00 Mesothelioma: integrating new therapies, better diagnostics and clinical trials
Vasiliki Panou (Odense, Denmark)

14:20 Discussion and Q&A
Vasiliki Panou (Odense, Denmark)

14:30 Interactive case: mesothelioma
Anna Bibby (Bristol (Avon), United Kingdom)

PG Room 2

Session

14:00 - 17:30

Postgraduate course: PG4 Back to clinical physiology

From respiratory mechanics and gas exchange to clinical physiologic interventions

Aims : to explain the basic principles of respiratory physiology and how they can be applied to clinical practice.

Disease(s) : Pulmonary vascular diseases Respiratory critical care

Method(s) : General respiratory patient care Physiology Respiratory intensive care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Respiratory critical care physician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist, Journalist

Chairs : William Stringer (Long Beach, United States), Camille Rolland-Debord (clermont-ferrand, France)

14:00 From pulmonary gas exchange to the interpretation of arterial blood gases
Paolo Palange (Rome, Italy)

14:20 Discussion and Q&A
Paolo Palange (Rome, Italy)

14:30 Pulmonary circulation: from physiology to clinical applications
Silvia Ulrich (Zurich, Switzerland)

14:50 Discussion and Q&A
Silvia Ulrich (Zurich, Switzerland)

15:00 Break

15:15 Respiratory mechanics and respiratory muscle function
Caroline Jolley (London, United Kingdom)

15:35 Discussion and Q&A
Caroline Jolley (London, United Kingdom)

15:45 The mechanics of breathing in intensive care unit patients, particularly in the era of COVID-19
Laurent Brochard (Toronto (ON), Canada)

16:05 Discussion and Q&A
Laurent Brochard (Toronto (ON), Canada)

16:15 Break

16:30 Group assignment
Paolo Palange (Rome, Italy), Silvia Ulrich (Zurich, Switzerland), Caroline Jolley (London, United Kingdom), Laurent Brochard (Toronto (ON), Canada)

PG room 1

Session

08:30 - 12:00

Postgraduate course: PG5 Masterclass in asthma

Aims : to describe methods of diagnosing and managing patients with asthma; to present methods of assessing and treating patients with different asthma phenotypes and monitoring the effects of treatment of asthma based on recent updates.

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Physiology Public health

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational)

Chairs : Apostolos Bossios (Stockholm, Sweden), Mona Al-Ahmad (Kuwait, Kuwait)

08:30 Latest updates in the guidelines of asthma: diagnosis and management
Ayşe Arzu Yorgancıoğlu (Konak, Turkey)

08:50 Discussion and Q&A
Ayşe Arzu Yorgancıoğlu (Konak, Turkey)

09:00 Assessing and monitoring asthma
Florence Schleich (Liège, Belgium)

09:20 Discussion and Q&A
Florence Schleich (Liège, Belgium)

09:30 Break

09:45 Making sense of phenotypes and endotypes in asthma
Renaud Louis (Liège, Belgium)

10:05 Discussion and Q&A
Renaud Louis (Liège, Belgium)

10:15 Pharmacological treatment and current controversies
Guy Brusselle (Ghent, Belgium)

10:35 Discussion and Q&A
Guy Brusselle (Ghent, Belgium)

10:45 Break

11:00 Interactive cases by participants
Stylianios Loukides (Athens, Greece), Manali Mukherjee (Hamilton (ON), Canada), Ayşe Arzu Yorgancıoğlu (Konak, Turkey), Angela Zacharasiewicz (Wien, Austria)

PG Room 2

Session

14:00 - 17:30

Postgraduate course: PG6 Masterclass in COPD

Aims : to describe methods of diagnosing, assessing and managing patients with COPD; to present methods of assessing and treating patients with different COPD phenotypes and monitoring the effects of treatment of COPD based on recent updates.

Disease(s) : Airway diseases

Method(s) : Cell and molecular biology General respiratory patient care Physiology

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Patient, Physician in Pulmonary Training, Physiologist

Chairs : Apostolos Bossios (Stockholm, Sweden), Ayşe Arzu Yorgancıoğlu (Konak, Turkey)

14:00 Latest updates in the guidelines for COPD: diagnosis and management
Konstantinos Kostikas (Ioannina, Greece)

14:20 Discussion and Q&A
Konstantinos Kostikas (Ioannina, Greece)

14:30 Assessing and monitoring COPD
MeiLan K. Han (Ann Arbor, United States)

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- 14:50 Discussion and Q&A**
MeiLan K. Han (Ann Arbor, United States)
-
- 15:00 Break**
-
- 15:15 Making sense of phenotypes and endotypes in COPD**
Daiana Stolz (Basel, Switzerland)
-
- 15:35 Discussion and Q&A**
Daiana Stolz (Basel, Switzerland)
-
- 15:45 Pharmacological treatment and current controversies**
Alberto Papi (Cona, Ferrara, Italy)
-
- 16:05 Discussion and Q&A**
Alberto Papi (Cona, Ferrara, Italy)
-
- 16:15 Break**
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- 16:30 Interactive cases by participants**
Stylios Loukides (Athens, Greece), Miriam Barrecheguren Fernandez (Barcelona, Spain), Daiana Stolz (Basel, Switzerland)
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PG room 1

Session

08:30 - 12:00

Postgraduate course: PG7 How to improve research strategies in pneumonia
ECRAID-base project

Aims : to review limitations of pneumonia research and potential advances in this field to improve research and the development of future trials in pneumonia in both community and hospital settings.

Disease(s) : Respiratory infections

Method(s) : General respiratory patient care Public health Respiratory intensive care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Nurse, Respiratory critical care physician, Physician in Pulmonary Training, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist

Chairs : Eva Polverino (Barcelona, Spain), Marc Bonten (Utrecht, Netherlands)

08:30	Strengths and limitations of clinical trials in pneumonia Tobias Welte (Hannover, Germany)
08:50	Discussion and Q&A Tobias Welte (Hannover, Germany)
09:00	Advances in microbiological diagnosis of respiratory tract infections Speaker to be confirmed
09:20	Discussion and Q&A Speaker to be confirmed
09:30	Break
09:45	Definition criteria of pneumonia from the perspective of regulatory agencies Speaker to be confirmed
10:05	Discussion and Q&A Speaker to be confirmed
10:15	Adaptative trials in respiratory tract infections
10:35	Discussion and Q&A
10:45	Break
11:00	Group assignment Tobias Welte (Hannover, Germany), Speaker to be confirmed

PG Room 2

Session

14:00 - 17:30

Postgraduate course: PG8 The challenges of chronic noninvasive ventilation
A case-based discussion

Aims : to discuss titration of chronic noninvasive ventilation (NIV) in patients with bulbar complaints, including how to adjust patients, additional therapies and techniques, when to decide that NIV goals have not been achieved, when to switch to invasive mechanical ventilation and when to decide to stop; to discuss titration of chronic NIV in patients with chronic obstructive pulmonary disease (COPD), including whether to aim for high-intensity NIV, how to adjust patients to high-intensity NIV, the back-up respiratory rate, inspiration and expiration times and new modes; to discuss the detection and clinical consequences of patient-ventilator asynchrony, including whether this should be treated in chronic care and how to reliably detect it; to discuss the value of alternative (autotitrating) modes, including whether AVAPS and EFL titration modes or other alternatives should be used.

Disease(s) : Paediatric respiratory diseases Respiratory critical care Sleep and breathing disorders

Method(s) : General respiratory patient care Physiology Respiratory intensive care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Patient, Respiratory physiotherapist, Respiratory therapist

Chairs : Marieke L. Duiverman (Groningen, Netherlands), Jesus Gonzalez Bermejo (Montlignon, France)

14:00	Chronic NIV in patients with bulbar disease: challenges and goals Peter J. Wijkstra (Groningen, Netherlands)
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14:20	Discussion and Q&A Peter J. Wijkstra (Groningen, Netherlands)
14:30	Chronic NIV in patients with COPD: what is the best way to go? Chloé Cantero (Paris, France)
14:50	Discussion and Q&A Chloé Cantero (Paris, France)
15:00	Break
15:15	Is patient-ventilator asynchrony also important in chronic care? Michelle Ramsay (Esher, United Kingdom)
15:35	Discussion and Q&A Michelle Ramsay (Esher, United Kingdom)
15:45	New NIV modes: what is available, and when should they be used? Maxime Patout (Paris, France)
16:05	Discussion and Q&A Maxime Patout (Paris, France)
16:15	Break
16:30	Group assignment Peter J. Wijkstra (Groningen, Netherlands), Michelle Ramsay (Esher, United Kingdom), Maxime Patout (Paris, France), Chloé Cantero (Paris, France)

PG room 1

Session

08:30 - 12:00

Postgraduate course: PG9 Diagnosing pulmonary hypertension: what a pneumologist should know

Aims : to explain how to correctly diagnose pulmonary hypertension via a stepwise approach, how to perform the diagnostic tests in the correct order, how to interpret the radiology results correctly and how to perform and interpret right heart catheterisation data correctly; to describe the right heart physiology and explain how to interpret right heart parameters correctly; to explain how to apply this knowledge using interactive cases.

Disease(s) : Pulmonary vascular diseases

Method(s) : Imaging Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Respiratory critical care physician, Paediatrician, Patient, Physician in Pulmonary Training, Radiologist

Chairs : Mona Lichtblau (Zürich, Switzerland), Marion Delcroix (Leuven, Belgium), Louise Bouman-van der Waal (Piershil, Netherlands)

08:30 The diagnostic algorithm in pulmonary hypertension
David Kiely (Sheffield (South Yorkshire), United Kingdom)

08:50 Discussion and Q&A
David Kiely (Sheffield (South Yorkshire), United Kingdom)

09:00 The radiology of pulmonary hypertension
Deepa Gopalan (LONDON, United Kingdom)

09:20 Discussion and Q&A
Deepa Gopalan (LONDON, United Kingdom)

09:30 Break

09:45 Correctly performing right heart catheterisation and interpreting the data
Gabor Kovacs (Graz, Austria)

10:05 Discussion and Q&A
Gabor Kovacs (Graz, Austria)

10:15 Evaluation of right ventricular function
Anton Vonk Noordegraaf (Amsterdam, Netherlands)

10:35 Discussion and Q&A
Anton Vonk Noordegraaf (Amsterdam, Netherlands)

10:45 Break

11:00 Interactive cases
Athénaïs Boucly (Le Kremlin Bicêtre, France), Mitja Jevnikar (Paris, France), Rui Miguel Costa Adão (Oliveira de Azeméis, Portugal)

PG Room 2

Session

14:00 - 17:30

Postgraduate course: PG10 Spirometry today: from theory to practice

Aims : to explain the basic principles of spirometry and how to perform it in a standardised and safe way during and after the COVID-19 pandemic following the standardisation of spirometry (ATS-ERS) 2019 update.

Method(s) : Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, General practitioner, Medical Technical Assistant, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

Chairs : Pierantonio Laveneziana (Paris, France), Monika Franczuk (Warszawa, Poland)

14:00 The physiological basis of the flow volume curve
Frans H.C. De Jongh (Enschede, Netherlands)

14:20 Discussion and Q&A
Frans H.C. De Jongh (Enschede, Netherlands)

14:30	Ensuring quality and safety of your spirometry service Aisling McGowan (Dublin 15, Ireland)
14:50	Discussion and Q&A Aisling McGowan (Dublin 15, Ireland)
15:00	Break
15:15	Spirometry: effective performance Rachel Ong-Salvador (Amsterdam, Netherlands)
15:35	Discussion and Q&A Rachel Ong-Salvador (Amsterdam, Netherlands)
15:45	Spirometry: what can go wrong and how to rectify it Karl Sylvester (Cambridge (Cambridgeshire), United Kingdom)
16:05	Discussion and Q&A Karl Sylvester (Cambridge (Cambridgeshire), United Kingdom)
16:15	Break
16:30	Group assignment Frans H.C. De Jongh (Enschede, Netherlands), Aisling McGowan (Dublin 15, Ireland), Rachel Ong-Salvador (Amsterdam, Netherlands), Karl Sylvester (Cambridge (Cambridgeshire), United Kingdom)

INDUSTRY SPONSORED SESSIONS

8G (live-streamed) Session 08:00 - 09:15**Industry Early Morning Symposium: Supplement it: Treatable Traits in practice***Organised by GSK***Chairs :** Chris Compton (Brentford, Middlesex, United Kingdom)

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|--------------|--|
| 08:00 | Opening and introduction
Chris Compton (Brentford, Middlesex, United Kingdom) |
| 08:05 | Proactively managing patients and long-term risk using Treatable Traits
Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom) |
| 08:20 | Can we simplify the approach by prioritising prime traits?
Peter Gibson (Newcastle, Australia) |
| 08:35 | Spotlight on sentinel events in asthma and COPD: exacerbations need a zero-tolerance approach
Mona Bafadhel (London, United Kingdom) |
| 08:50 | Let's implement Treatable Traits: an illustrative case
Thys van der Molen (Groningen, Netherlands) |
| 09:00 | Q&A and close
Chris Compton (Brentford, Middlesex, United Kingdom) |

8B (live-streamed) Session 08:00 - 09:15**Industry Early Morning Symposium: mRNA science and the next generation of vaccines: Transforming the management of respiratory infections***Organised by Moderna***Chairs :** Roger Paredes (Barcelona, Spain)

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|--------------|---|
| 08:00 | Welcome and introduction
Roger Paredes (Barcelona, Spain) |
| 08:05 | mRNA platform technology and its potential beyond COVID-19
Melissa Moore (Massachusetts, United States) |
| 08:20 | Current landscape and unmet needs in respiratory medicine
Eva Polverino (Barcelona, Spain) |
| 08:40 | Revolutionizing the respiratory disease landscape through advances in vaccinology |
| 09:00 | Live Q&A
Roger Paredes (Barcelona, Spain), Eva Polverino (Barcelona, Spain), Melissa Moore (Massachusetts, United States) |

8C (live-streamed) Session 08:00 - 09:15**Industry Early Morning Symposium: Critical Therapeutic Advances for Optimizing Clinical Outcomes in MAC Lung Disease: An Evidence-to-Practice Update***Organised by Insmid***Chairs :** Christoph Lange (Borstel, Germany)

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|--------------|--|
| 08:00 | The Challenging Morbidity, Risk, and Therapeutic Continuum of MAC Lung Disease: What Have Learned from ERS Treatment Guideline, Real World Experience, and Recent Trials Focused on High Risk/Refractory MAC Lung Disease? How Do We Best Match Antimicrobial Therapies with Individual Patients with NTM-PD?
Christoph Lange (Borstel, Germany) |
| 08:15 | Optimizing Management of MAC Lung Disease with Guideline-Based Therapy: Current, Evidence- and Trial-Based Recommendations for Applying ATS/IDSA/ERS/ESCMID Treatment Plans for NTM-PD to the Front Lines of Patient Care for Refractory and Advanced MAC Pulmonary Disease
Stefano Aliberti (Milano (MI), Italy) |

08:35 Clinical and Microbiologic Confirmation of MAC Lung Disease: Guiding Antibiotic Selection and Intensity Based on Systematic Microbiological Testing, Risk Stratification, Severity Score Indexes, and Prompt Recognition of Disease Severity Based on Radiographic Findings and Patient Co-Morbidities
Michael Loebinger (London, United Kingdom)

08:55 From Trials to Treatment for Challenging Patients with MAC Lung Infection—The Role, Safety, Indications, Evidence, and Practical Aspects of Deploying Inhaled Antimicrobial Formulations to Ensure Regimen Adherence, Minimize Side Effects, and Ensure Antimicrobial Course Completion for MAC Lung Disease
Francesco De Blasio (Pozzuoli (NA), Italy)

8K Session 08:00 - 08:45

Industry Skills Lab Workshop: Central airway bronchoscopy – oncological and benign conditions

Organised by Erbe Elektromedizin GmbH

08:00 Introduction
Doreen Werner

08:05 Intro-lecture on different disease states & application of Erbe-solutions
Jürgen Hetzel (, Switzerland)

08:15 Hands-On
Jürgen Hetzel (Tuebingen, Germany), Carlos Disdier Vicente (simancas, Spain), Daniela Gompelmann (Vienna, Austria)

08:40 Discussion
Jürgen Hetzel (, Switzerland), Carlos Disdier Vicente (simancas, Spain), Daniela Glockenhammer-Timm (München, Germany)

8J Session 08:00 - 08:45

Industry Skills Lab Workshop: Breaking Research -Physiological Effects of the Novel Duet™ Asymmetrical Cannula on COPD

Organised by Fisher & Paykel Healthcare

Chairs : Stefano Nava (Bologna (BO), Italy), Ulla Møller Weinreich (Ålborg, Denmark)

08:00 Nasal high flow therapy in COPD patients using a novel asymmetric cannula
Gerard J. Criner (Philadelphia, United States)

08:18 Nasal High Flow in Post-Exacerbation COPD
Lara Pisani (Bologna (BO), Italy)

08:36 Prong size, pressure, pCO₂: how to optimise NHF therapy
Jens Bräunlich (Leipzig, Germany)

8K Session 10:30 - 11:15

Industry Skills Lab Workshop: What would you do...?Join an interactive session where you get to have your say on NIV patient setup!

Organised by ResMed

Chairs : Claudia Crimi (Catania (CT), Italy), OLIVIER SAGNARD (Saint Priest, France)

10:30 An interactive session where you can chat with the experts

10:48 Deep dive into NIV settings in a leakage system and learn how to optimise them to adopt, manage and improve therapy for your patients (includes clinical cases)

11:06 Whether you're just starting out in NIV management or you're more advanced, this session is suitable for all levels of ventilation knowledge

8J Session 10:30 - 11:15**Industry Skills Lab Workshop: Considerations for ventilator and PI selection for NIV***Organised by Philips***Chairs :** Jule Yarascavitch**10:30 Considerations for ventilators in NIV**
Maxime Patout (Paris, France)**10:40 Hands on with the EV300**
Emad Makram (Allison Park, United States)**8M Session 13:00 - 14:00****Industry Lunchtime Symposium: Re-IMAGinING the pathway for clinical decision making in rare lung diseases – moving towards a united vision***Organised by CSL Behring GmbH***Chairs :** Daiana Stolz (Basel, Switzerland), Charlie Strange (Charleston, United States)**13:00 Welcome and introduction to the faculty and symposium topics**
Daiana Stolz (Basel, Switzerland), Charlie Strange (Charleston, United States)**13:05 Pars pro toto ILD: Improving diagnosis and differentiation**
Daiana Stolz (Basel, Switzerland), Marlies S. Wijsenbeek (Rotterdam, Netherlands)**13:15 OSIC: A Renaissance approach to imaging in rare lung diseases**
Elizabeth Estes (Holland, United States)**13:25 Exacerbations in AATD: Impact on lung density**
Noel Gerard McElvaney (Dublin, Ireland), Charlie Strange (Charleston, United States)**13:35 Summary and introduction of the Q&A session**
Daiana Stolz (Basel, Switzerland), Charlie Strange (Charleston, United States)**13:40 Live Q&A and closing remarks**
Daiana Stolz (Basel, Switzerland), Charlie Strange (Charleston, United States)**8C (live-streamed) Session 13:00 - 14:00****Industry Lunchtime Symposium: COVID-19 and respiratory patients: remaining risks and challenges***Organised by GSK***Chairs :** Krystal Evans (Brentford, United Kingdom)**13:00 Welcome and introductions**
Krystal Evans (Brentford, United Kingdom)**13:05 COVID-19 evolution: where are we now and where are we headed?**
Marta Boffito (London, United Kingdom)**13:20 COVID-19 and the risk to respiratory patients: strategies to optimise management**
Tobias Welte (Hannover, Germany)**13:35 Interactive case studies**
Krystal Evans (Brentford, United Kingdom), Tobias Welte (Hannover, Germany), Marta Boffito (London, United Kingdom)**13:45 Panel discussion and Q&A**
Krystal Evans (Brentford, United Kingdom), Tobias Welte (Hannover, Germany), Marta Boffito (London, United Kingdom)**13:55 Key takeaways**
Tobias Welte (Hannover, Germany)

8G (live-streamed) Session 13:00 - 14:00**Industry Lunchtime Symposium: Asthma and beyond: anti-IgE continues to play a major role***Organised by Novartis Pharma AG***Chairs :** Celeste Michala Porsbjerg (Copenhagen, Denmark)

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|--------------|--|
| 13:00 | Welcome and Introduction
Celeste Michala Porsbjerg (Copenhagen, Denmark) |
| 13:05 | Why still target IgE pathways in the airways?
Oscar Palomares (Madrid, Spain) |
| 13:20 | Why does anti-IgE remain important in the management of severe asthma?
Andrew Menzies-Gow (London, United Kingdom) |
| 13:35 | Why look beyond asthma? Anti-IgE in the treatment of co-morbidities
Philippe Gevaert (Ghent, Belgium) |
| 13:45 | Q&A
Celeste Michala Porsbjerg (Copenhagen, Denmark), Oscar Palomares (Madrid, Spain), Andrew Menzies-Gow (London, United Kingdom), Philippe Gevaert (Ghent, Belgium) |
| 13:55 | Summary and close
Celeste Michala Porsbjerg (Copenhagen, Denmark) |

8B (live-streamed) Session 13:00 - 14:00**Industry Lunchtime Symposium:
Importance of Adult Vaccination in the Evolving Pneumococcal Disease Landscape***Organised by Pfizer***Chairs :** Antoni Torres Marti (Barcelona, Spain)

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| 13:00 | Welcome and Introduction
Antoni Torres Marti (Barcelona, Spain) |
| 13:05 | Public Health Impact of PCVs on All Cause Pneumonia
Joe Lewnard (Berkeley, United States) |
| 13:25 | Addressing a New Era to Help Protect Against Pneumococcal Disease in Adults
Cristina Mendez (Alcobendas (Madrid), Spain) |
| 13:45 | Live Faculty Discussion and Q&A Session
Antoni Torres Marti (Barcelona, Spain), Joe Lewnard (Berkeley, United States), Cristina Mendez (Alcobendas (Madrid), Spain) |
| 13:58 | Closing Remarks
Antoni Torres Marti (Barcelona, Spain) |

8K Session 14:00 - 14:45**Industry Skills Lab Workshop: Oral appliance : a rising alternative option for OSA patients in Europe***Organised by ResMed***Chairs :** Christoph Schoebel (Berlin-Mitte, Germany)

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| 14:00 | Exploration of the current reimbursement models in Europe. |
| 14:15 | Outcomes from the ALASKA study related to MAD treatment. |
| 14:30 | How digitalisation of the oral care pathway can aid follow-up and collaboration. |

8J Session 14:00 - 14:45**Industry Skills Lab Workshop: Life Is Easier With a Hands-on Approach - Get More Confidence and Improve Your Outcomes***Organised by Olympus Europa SE & Co. KG***Chairs :**

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|--------------|---|
| 14:00 | EBUS-TBNA: Handling all procedure steps safely and efficiently
António Apolinário Bugalho De Almeida (Lisboa, Portugal) |
| 14:00 | Peripheral Bronchoscopy: Plan, access and identify peripheral lesions for successful sampling
Ales Rozman (Golnik, Slovenia) |
| 14:00 | Emphysema and Air Leak treatment with EVIS X1: Elevating the standard of therapeutic interventions
Matthias Hecker (Gießen, Germany) |
| 14:00 | Medical Thoracoscopy: A semi-rigid approach to see and treat diseases in the thoracic cavity
Enric Barbeta Sanchez (Barcelona, Spain) |

8B (live-streamed) Session 18:00 - 19:30**Industry Evening Symposium: Remission in Severe Asthma: an achievable treatment goal in the biologics era?***Organised by AstraZeneca***Chairs :** Andrew Menzies-Gow (London, United Kingdom)

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|--------------|--|
| 18:00 | Welcome and Introduction
Andrew Menzies-Gow (London, United Kingdom) |
| 18:10 | Remission in chronic inflammatory diseases: learnings from rheumatoid arthritis
Josef Smolen (Vienna, Austria) |
| 18:25 | Clinical remission in severe asthma: a potential new treatment goal?
David Price (Singapore, Singapore) |
| 18:45 | Clinical remission in severe asthma: what does the data tell?
Andrew Menzies-Gow (London, United Kingdom), Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom) |
| 19:10 | Meeting close and Q&A
Andrew Menzies-Gow (London, United Kingdom) |

8A (live-streamed) Session 18:00 - 19:30**Industry Evening Symposium: Management of Pulmonary Fibrosis: What Now?***Organised by Boehringer Ingelheim International GmbH***Chairs :** Fernando J. Martinez (New York, United States)

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| 18:00 | Introduction
Fernando J. Martinez (New York, United States) |
| 18:05 | Lessons Learned from Clinical Trials
Toby Maher (Los Angeles, United States) |
| 18:25 | Management Guidelines and Challenges
Luca Richeldi (Roma, Italy) |
| 18:45 | The Future of Research and Clinical Care
Marlies S. Wijsenbeek (Rotterdam, Netherlands) |
| 19:05 | Q&A
Fernando J. Martinez (New York, United States), Toby Maher (Los Angeles, United States), Luca Richeldi (Roma, Italy), Marlies S. Wijsenbeek (Rotterdam, Netherlands) |

8F Session 18:00 - 19:30**Industry Evening Mini-Symposium: Dare to challenge the status quo: AATD, bronchiectasis, and new research***Organised by Grifols***Chairs :** Marc Miravittles (Barcelona (CT), Spain)

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| 18:00 | Welcome and introduction
Marc Miravittles (Barcelona (CT), Spain) |
| 18:05 | Screening for severe Alpha-1 Antitrypsin Deficiency (AATD) and evolving results
Ilaria Ferrarotti (Pavia (PV), Italy) |
| 18:25 | Real world registry comparison studies on augmentation therapy
When should augmentation therapy be started in severe AATD patients? What parameters are of relevance?
point – counterpoint
Do we need clearly defined starting criteria for augmentation therapy?
Alice Turner (Birmingham (West Midlands), United Kingdom), Marc Miravittles (Barcelona (CT), Spain) |
| 19:00 | Hot topic
The protease–antiprotease imbalance in infectious diseases: COVID-19 and Bronchiectasis
Clinical trial results on Alpha-1 Antitrypsin in COVID-19

Oliver Mcelvaney (, Ireland) |
| 19:20 | 2022 ALTA awards ceremony
Antonio Paez Regadera (Barcelona, Spain) |
| 19:25 | Summary and Close
Marc Miravittles (Barcelona (CT), Spain) |

8H (live-streamed) Session 18:00 - 19:30**Industry Evening Symposium: How molecular pharmacology is improving patient outcomes in COPD***Organised by GSK***Chairs :** Chris Compton (Brentford, Middlesex, United Kingdom), MeiLan K. Han (Ann Arbor, United States)

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| 18:00 | Opening and introduction
Chris Compton (Brentford, Middlesex, United Kingdom), MeiLan K. Han (Ann Arbor, United States) |
| 18:05 | Efficacy by design: from pharmacology to effective therapy
Kai Michael Beeh (Wiesbaden, Germany) |
| 18:25 | Are all triple therapies the same? Learning from head-to-head and indirect comparisons
Claus Vogelmeier (Marburg, Germany) |
| 18:45 | Real-world evidence on triple therapy: what have we learned?
David M. G. Halpin (Exeter, United Kingdom) |
| 19:05 | Panel discussion and Q&A
Chris Compton (Brentford, Middlesex, United Kingdom), MeiLan K. Han (Ann Arbor, United States), Kai Michael Beeh (Wiesbaden, Germany), Claus Vogelmeier (Marburg, Germany), David M. G. Halpin (Exeter, United Kingdom) |

8M Session 18:00 - 19:30**Industry Evening Mini-Symposium: Management of non-tuberculous Mycobacterium avium complex pulmonary disease (MAC-PD) – what the future holds***Organised by Insmmed Ireland Ltd.***Chairs :** Gernot G.U. Rohde (Frankfurt am Main, Germany), Eva Polverino (Barcelona, Spain)

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|--------------|---|
| 18:00 | MAC-PD in Europe – identifying the patient at risk
Eva Polverino (Barcelona, Spain) |
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18:15 **Diagnosis, management and prescribing patterns for MAC-PD in Europe**
Charles Haworth (Cambridge, United Kingdom)

18:30 **VOTING:**
Adherence to treatment guidelines among physicians

18:35 **Pitfalls and gaps in NTM clinical practice guidelines – how to follow**
Claire Andrejak (Amiens, France)

18:50 **Treatment options for MAC-PD disease when oral GBT is not successful**
Stefano Aliberti (Milano (MI), Italy)

19:05 **VOTING:**
Adherence to treatment among patients

19:10 **Panel discussion:**
Learnings and expectations for the future – the path forward physicians would want to see
Gernot G.U. Rohde (Frankfurt am Main, Germany), Eva Polverino (Barcelona, Spain), Charles Haworth (Cambridge, United Kingdom), Claire Andrejak (Amiens, France), Stefano Aliberti (Milano (MI), Italy)

8G (live-streamed) Session 18:00 - 19:30

Industry Evening Symposium: Addressing the challenges of the breathless patient: Beyond the obvious

Organised by Janssen Pharmaceutica NV

Chairs : Marion Delcroix (Leuven, Belgium), Sean Gaine (Dublin, Ireland)

18:00 **Welcome and introduction**
Marion Delcroix (Leuven, Belgium)

18:10 **Pitfalls in diagnosing the breathless patient**
Discussion
Luke Howard (London, United Kingdom), Marion Delcroix (Leuven, Belgium), Sean Gaine (Dublin, Ireland)

18:35 **Why pulmonary hypertension classification can be difficult**
Discussion
Pilar Escribano-Subias (Madrid, Spain), Marion Delcroix (Leuven, Belgium), Sean Gaine (Dublin, Ireland)

19:00 **My patient is diagnosed with PH. What are the treatment options?**
Silvia Ulrich (Zurich, Switzerland)

19:15 **Q&A with the faculty**
Marion Delcroix (Leuven, Belgium), Sean Gaine (Dublin, Ireland), Pilar Escribano-Subias (Madrid, Spain), Silvia Ulrich (Zurich, Switzerland), Luke Howard (London, United Kingdom)

19:25 **Key messages and closing remarks**
Sean Gaine (Dublin, Ireland)

8C (live-streamed) Session 18:00 - 19:30

Industry Evening Symposium: A triple approach to shifting the asthma paradigm: inhaled therapy, digital technology and environment

Organised by Novartis Pharma AG

Chairs : Christine Jenkins (McMahons Point (NSW), Australia)

18:00 **Welcome and Introduction**
Christine Jenkins (McMahons Point (NSW), Australia)

18:05 **Shifting the paradigm with inhaled asthma therapy**
Richard Van Zyl-Smit (Cape Town, South Africa)

18:25 **Discussion: Shifting the paradigm with inhaled asthma therapy**
Christine Jenkins (McMahons Point (NSW), Australia), Richard Van Zyl-Smit (Cape Town, South Africa), Christopher Liciskai (London (ON), Canada), Ashley Woodcock (Manchester (Greater Manchester), United Kingdom)

18:35 **Shifting the paradigm with digital health care**
Christopher Liciskai (London (ON), Canada)

- 18:50 Discussion: Shifting the paradigm with digital health care**
Christine Jenkins (McMahons Point (NSW), Australia), Christopher Licskai (London (ON), Canada), Richard Van Zyl-Smit (Cape Town, South Africa), Ashley Woodcock (Manchester (Greater Manchester), United Kingdom)
- 19:00 Shifting the paradigm with environmental approaches**
Ashley Woodcock (Manchester (Greater Manchester), United Kingdom)
- 19:15 Discussion: Shifting the paradigm with environmental approaches**
Christine Jenkins (McMahons Point (NSW), Australia), Ashley Woodcock (Manchester (Greater Manchester), United Kingdom), Richard Van Zyl-Smit (Cape Town, South Africa), Christopher Licskai (London (ON), Canada)
- 19:25 Conclusion: Shifting the paradigm with a triple approach to asthma**
Christine Jenkins (McMahons Point (NSW), Australia)

8N Session 18:00 - 19:30

Industry Evening Symposium: Delivering High Value Care for Asthma & COPD

Organised by Orion Pharma and Menarini Group

Chairs : Alvar Agusti Garcia-Navarro (Barcelona, Spain)

- 18:00 Welcome: Patient-physician relationships and the new normal**
Alvar Agusti Garcia-Navarro (Barcelona, Spain)
- 18:10 Empowering patients to become equal partners in their care: Experience from Finland**
Tuula Vasankari (Kaarina, Finland)
- 18:25 How to select the most appropriate inhaler with your patients**
Federico Lavorini (Firenze (FI), Italy)
- 18:40 Avoiding pitfalls in asthma and COPD care**
Christer Janson (Uppsala, Sweden)
- 18:55 The carbon footprint of asthma and COPD care**
Lauri Lehtimäki (Tampere, Finland)
- 19:10 Q&A and panel discussion**
Alvar Agusti Garcia-Navarro (Barcelona, Spain), Tuula Vasankari (Kaarina, Finland), Federico Lavorini (Firenze (FI), Italy), Lauri Lehtimäki (Tampere, Finland)
- 19:25 Wrap up and close**
Alvar Agusti Garcia-Navarro (Barcelona, Spain)

8L Session 18:00 - 19:30

Industry Evening Mini-Symposium: Update: Clinical Adoption in High-Flow Therapy (HFT)

Organised by ResMed

Chairs : Maxime Patout (Paris, France), Adam Benjafeld (Sydney, Australia)

- 18:10 A typical COPD patient using at-home HFT: A case study**
Salvador Diaz Lobato (Colmenar Viejo (Madrid), Spain)
- 18:30 Presenting the results of the UK feasibility study on HFT**
Rebecca D'Cruz (London, United Kingdom)
- 18:50 Innovative digital pathways in chronic care management**
Chris Carlin (Glasgow (Glasgow), United Kingdom)
- 19:10 Danish HFT Guidelines and their implications: An update**
Ulla Møller Weinreich (Ålborg, Denmark)

Industry Virtual Channel Session 18:00 - 19:00

Industry Virtual Symposium: The connected approach: exploring a new era of chronic respiratory disease management with digital inhalers

Organised by Teva Pharmaceuticals Europe B.V.

Chairs : Liam G. Heaney (Belfast (Belfast), United Kingdom)

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- 18:00** **Welcome and opening address**
Liam G. Heaney (Belfast (Belfast), United Kingdom)
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- 18:10** **How can we break the pattern of poor inhaler use in asthma and COPD?**
Per Rönmark (Nyköping, Sweden)
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- 18:25** **Digital inhalers – a new solution to an old problem?**
Nawar Diar Bakerly (Salford (Lancashire), United Kingdom)
-
- 18:40** **Discussion and audience questions**
Liam G. Heaney (Belfast (Belfast), United Kingdom), Per Rönmark (Nyköping, Sweden), Nawar Diar Bakerly (Salford (Lancashire), United Kingdom)
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8B (live-streamed) Session 08:00 - 09:15**Industry Early Morning Symposium: Heterogeneity of inflammation in asthma: a matter of airway epithelium?***Organised by AstraZeneca***Chairs :** Santiago Quirce (Madrid, Spain)

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| 08:00 | Welcome, introduction, and opening remarks
Louis-Philippe Boulet (Québec (QC), Canada) |
| 08:05 | Bronchial epithelium in health and disease
Celeste Michala Porsbjerg (Copenhagen, Denmark), Louis-Philippe Boulet (Québec (QC), Canada) |
| 08:15 | Asthma inflammation from the triggers' point of view
Katrin Milger-Kneidinger (Munich, Germany), Celeste Michala Porsbjerg (Copenhagen, Denmark), Louis-Philippe Boulet (Québec (QC), Canada) |
| 08:25 | The epithelium - a driving force behind airway hyperresponsiveness
Paola Rogliani (Roma (RM), Italy), Louis-Philippe Boulet (Québec (QC), Canada), Celeste Michala Porsbjerg (Copenhagen, Denmark) |
| 08:35 | Inflammation, remodelling and remission – how is the epithelium involved
Pascal Chanez (Marseille, France), Celeste Michala Porsbjerg (Copenhagen, Denmark), Louis-Philippe Boulet (Québec (QC), Canada) |
| 08:50 | Panel Q&A
Gianni Marone (Napoli (NA), Italy) |
| 09:10 | Summary and close
Celeste Michala Porsbjerg (Copenhagen, Denmark) |

8G (live-streamed) Session 08:00 - 09:15**Industry Early Morning Symposium: Tailoring treatment for uncontrolled asthmatic patients: from theory to practice***Organised by Chiesi Farmaceutici S.p.A.***Chairs :** Ana Fernandez Tena (Oviedo (Asturias), Spain), Johann Christian Virchow (Rostock, Germany)

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|--------------|--|
| 08:00 | Aiming for asthma remission and disease modification
Alvaro A. Cruz (Salvador (BA), Brazil) |
| 08:20 | Tailoring treatments in moderate to severe asthma: the TAILOR study
Guy Brusselle (Ghent, Belgium) |
| 08:35 | Identifying asthma patients who profit from dual and triple therapy
Johann Christian Virchow (Rostock, Germany) |
| 08:55 | Q&A
Johann Christian Virchow (Rostock, Germany), Ana Fernandez Tena (Oviedo (Asturias), Spain), Guy Brusselle (Ghent, Belgium), Alvaro A. Cruz (Salvador (BA), Brazil) |

8H (live-streamed) Session 08:00 - 09:15**Industry Early Morning Symposium: Redefining asthma goals: the evolving era of proactive control***Organised by GSK***Chairs :** Kenneth R. Chapman (Toronto (ON), Canada)

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|--------------|---|
| 08:00 | Welcome, introductions, meeting objectives
Kenneth R. Chapman (Toronto (ON), Canada) |
| 08:02 | Asthma management and appropriate reliever use: APPaRENT challenges
Kenneth R. Chapman (Toronto (ON), Canada) |
| 08:17 | Evolving data from existing clinical trials: the power of modelling
Dave Singh (Manchester, United Kingdom) |

- 08:32** **MASTERing asthma management: redefining treatment goals**
Guy Brusselle (Ghent, Belgium)
-
- 08:47** **Summary/conclusion**
Kenneth R. Chapman (Toronto (ON), Canada)
-
- 08:50** **Real-world results: debating clinical applications of proactive regular dosing**
Kenneth R. Chapman (Toronto (ON), Canada), Dave Singh (Manchester, United Kingdom), Guy Brusselle (Ghent, Belgium)
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- 09:00** **Q&A session**
Kenneth R. Chapman (Toronto (ON), Canada), Dave Singh (Manchester, United Kingdom), Guy Brusselle (Ghent, Belgium)

8C (live-streamed) Session 08:00 - 09:15

Industry Early Morning Symposium: The Science of COVID 19 mRNA Vaccines: Innovation to Anticipate the Evolving Prevention Paradigm

Organised by Pfizer

- 08:00** **Welcome and introduction**
Eva Polverino (Barcelona, Spain)
-
- 08:05** **A new era of vaccine development**
Miguel Prudêncio (Lisbon, Portugal)
-
- 08:15** **How vaccines can meet the evolving challenges related to COVID-19**
Eva Polverino (Barcelona, Spain)
-
- 08:45** **Approaches to tackle COVID-19: mRNA vaccine and oral treatments**
Miguel Prudêncio (Lisbon, Portugal)
-
- 08:55** **Panel discussion / Q&A**
Eva Polverino (Barcelona, Spain), Miguel Prudêncio (Lisbon, Portugal)
-
- 09:10** **Closing remarks**
Eva Polverino (Barcelona, Spain)

8A (live-streamed) Session 08:00 - 09:15

Industry Early Morning Symposium: Biomarkers Matter in the Long-term Treatment of Severe Asthma

Organised by Sanofi Regeneron

Chairs : Giorgio Walter Canonica (Milano (MI), Italy)

- 08:00** **Introduction and Opening Remarks**
Giorgio Walter Canonica (Milano (MI), Italy), Arnaud Bourdin (Montpellier Cedex 5, France), Diego Maselli (San Antonio, United States)
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- 08:05** **From Bench to Bedside: Clinical and Scientific Utility of Biomarkers in Type 2 Asthma**
Giorgio Walter Canonica (Milano (MI), Italy)
-
- 08:15** **Long-Term Impact of Dupilumab Across Type 2 Asthma Phenotypes**
Diego Maselli (San Antonio, United States)
-
- 08:30** **Improving Long-Term Outcomes While Reducing OCS Use**
Arnaud Bourdin (Montpellier Cedex 5, France)
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- 08:45** **Panel Perspectives: Why Biomarkers Matter**
Giorgio Walter Canonica (Milano (MI), Italy), Arnaud Bourdin (Montpellier Cedex 5, France), Diego Maselli (San Antonio, United States)
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- 08:55** **Audience Q&A**
Giorgio Walter Canonica (Milano (MI), Italy), Arnaud Bourdin (Montpellier Cedex 5, France), Diego Maselli (San Antonio, United States)

- 09:10 Closing Remarks**
Giorgio Walter Canonica (Milano (MI), Italy), Arnaud Bourdin (Montpellier Cedex 5, France), Diego Maselli (San Antonio, United States)

8M Session 08:00 - 09:15

Industry Early Morning Mini-Symposium: The vicious vortex of bronchiectasis, tackling the cornerstone of inflammation

Organised by Insmad Ireland Ltd.

Chairs : Montserrat Vendrell Relat (Girona, Spain)

- 08:00 Introduction and overview**
Montserrat Vendrell Relat (Girona, Spain)
- 08:05 NCFBE a consequence of inflammatory dysregulation?**
Amelia Shoemark (Dundee (Angus), United Kingdom)
- 08:20 The biology of NCFBE – exploring the endotypes as treatable traits**
Stuart Elborn (Belfast (Belfast), United Kingdom)
- 08:35 Targeting inflammation, a cornerstone in the vicious vortex of NCFBE**
Pieter Goeminne (Bornem, Belgium)
- 08:50 Panel discussion**
Pieter Goeminne (Bornem, Belgium), Montserrat Vendrell Relat (Girona, Spain), Stuart Elborn (Belfast (Belfast), United Kingdom), Amelia Shoemark (Dundee (Angus), United Kingdom)
- 09:10 Summary and close**
Montserrat Vendrell Relat (Girona, Spain)

Industry Virtual Channel Session 08:00 - 09:15

Industry Virtual Symposium: The Climate Change as a Risk to Respiratory Health

Organised by Haleon

Chairs : Christopher Carlsten (Vancouver (BC), Canada)

- 08:00 The challenge of climate change and health: Time to act**
Kian Fan Chung (London, United Kingdom)
- 08:15 Health Impacts of Air Pollution and Climate Change in Low and Middle Income Countries**
Sundeep Santosh Salvi (Pune (Maharashtra), India)
- 08:30 Firesmoke and Lung Health: Responses to an Increasing Threat**
Christopher Carlsten (Vancouver (BC), Canada)
- 08:45 Impact of climate change on pediatric allergies and respiratory disorders**
Gary Wong (Shatin, Hong Kong)
- 09:00 Q&A with speakers**
Kian Fan Chung (London, United Kingdom), Sundeep Santosh Salvi (Pune (Maharashtra), India), Christopher Carlsten (Vancouver (BC), Canada), Gary Wong (Shatin, Hong Kong)

8K Session 08:00 - 08:45

Industry Skills Lab Workshop: Peripheral Bronchoscopic biopsy solutions with radial EBUS and navigation planning

Organised by FUJIFILM

08:00

8J Session 08:00 - 08:45

Industry Skills Lab Workshop: Recent Trial Results for Home Nasal High Flow and COPD

Organised by FISHER & PAYKEL HEALTHCARE

Chairs : Nicholas Hart (London, United Kingdom), Claudia Crimi (Catania (CT), Italy)

08:00 **Home nasal high flow therapy in COPD patients following a recent hospitalization**
Gerard J. Criner (Philadelphia, United States)

08:18 **Safety and effectiveness of domiciliary nasal high flow therapy for stable hypercapnic COPD patients**
Kazuma Nagata (Kobe, Japan)

08:36 **Feasibility of home high-flow therapy after severe exacerbation of COPD: a mixed methods randomised control trial**
Rebecca D'Cruz (London, United Kingdom)

08:54

8K Session 10:30 - 11:15

Industry Skills Lab Workshop: Understanding the value of Patient-Reported Outcome Measures (PROM) and Patient Engagement tools in clinical practice.

Organised by ResMed

Chairs : Joan Escarrabill Sanglas (Barcelona, Spain), Kimberly L. Sterling (Indianapolis, United States)

10:30 **Introduction to PROM and Patient-Reported Experience Measures (PREM)**
Joan Escarrabill Sanglas (Barcelona, Spain)

10:45 **The influence of patient engagement tools and PROM on PAP treatment adherence in obstructive sleep apnoea patients**
Jean-Louis Pépin (Grenoble, France)

11:00 **A demonstration of ResMed's AirSense 11 patient feedback tool, Care Check-In, integrated with myAir and AirView**
Clémence Dini (Lyon, France)

8J Session 10:30 - 11:15

Industry Skills Lab Workshop: ERS/ATS PFT Interpretation Standards - an Artificial Intelligence View

Organised by Vyaire Medical Products Ltd.

Chairs :

10:30 Sanja Stanojevic (Halifax (NS), Canada), Marko Topalovic (Kessel-lo, Belgium), Q&A

8B (live-streamed) Session 13:00 - 14:00

Industry Lunchtime Symposium: Time to raise standards of care for patients with COPD

Organised by AstraZeneca

Chairs : Fco.De Borja García Cosío Piqueras (Palma de Mallorca, Spain), Mona Bafadhel (London, United Kingdom)

13:00 **Welcome, introduction, and opening remarks**
David Price (Singapore, Singapore), Mona Bafadhel (London, United Kingdom)

13:05 **Time to change: challenging the status quo of COPD management**
Dave Singh (Manchester, United Kingdom)

13:15 **Time to act: prompt identification of patients with COPD and their underlying risk**
Mona Bafadhel (London, United Kingdom)

13:29 **Time to treat: earlier intervention to prevent exacerbations and reduce the risk of mortality**
Dave Singh (Manchester, United Kingdom)

13:43 **Time to CONQUER COPD: ensuring quality standards in patient care**
David Price (Singapore, Singapore), Fco.De Borja García Cosío Piqueras (Palma de Mallorca, Spain), Mona Bafadhel (London, United Kingdom), Dave Singh (Manchester, United Kingdom)

13:57 **Summary and close**
Fco.De Borja García Cosío Piqueras (Palma de Mallorca, Spain), Mona Bafadhel (London, United Kingdom)

8A (live-streamed)

Session

13:00 - 14:00

Industry Lunchtime Symposium: What would you recommend for COPD today: Made-to-measure or one-size-fits-all?

Organised by Boehringer Ingelheim International GmbH

Chairs : Sarah Jarvis (London, United Kingdom)

- 13:00** **Starting on the right path: How can I optimise treatment initiation in my patient?**
Treatment alterations: How can I ensure a perfect fit for my patient?
The final fitting: Is this inhaler right for my patient?
 Sarah Jarvis (London, United Kingdom), Peter J. Barnes (London, United Kingdom), John R Hurst (London, United Kingdom), Marc Miravittles (Barcelona (CT), Spain)
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- 13:50** **Q&A and closing comments**
 Sarah Jarvis (London, United Kingdom), Peter J. Barnes (London, United Kingdom), John R Hurst (London, United Kingdom), Marc Miravittles (Barcelona (CT), Spain)

8M

Session

13:00 - 14:00

Industry Lunchtime Symposium: Global Access to Spirometry Project (GASP): a pathway to asthma and COPD management in Low- and Middle-Income Countries

Organised by Chiesi Farmaceutici S.p.A.

Chairs : Mario Scuri (Milano, Italy)

- 13:00** **Chiesi's commitment to respiratory care beyond R&D**
 Thomas Eichholtz (Utrecht, Netherlands)
-
- 13:05** **The Chiesi Foundation: a strategic tool for social change. Resources, expertise, and networking for improving the quality of life of patients and their families living in Low-and Middle-Income Countries (LMICs)**
 Maria Paola Chiesi (Parma (PR), Italy)
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- 13:10** **GASP Guyana - Implementing an impactful strategy for asthma management in LMICs: from acute episodic care to sustainable chronic disease management.**
 Robert D. Levy (Vancouver (BC), Canada)
-
- 13:30** **GASP Peru - Addressing the burden of COPD: improving access to accurate diagnosis, chronic disease management, patient education, and awareness**
 Juan Carlos Rojas Marroquín (, Peru)
-
- 13:45** **GASP key benefits and lessons learned**
 Robert D. Levy (Vancouver (BC), Canada)
-
- 13:55** **GASP future perspective: making the world breathe better**
 Massimo Salvadori (Milano, Italy)

8C (live-streamed)

Session

13:00 - 14:00

Industry Lunchtime Symposium: A unified approach: improving patient outcomes in severe asthma and comorbid eosinophilic diseases

Organised by GSK

Chairs : Peter H. Howarth (Brentford, United Kingdom), Joaquim Mullol Miret (Barcelona, Catalonia, Spain)

- 13:00** **Welcome and introduction**
 Peter H. Howarth (Brentford, United Kingdom), Joaquim Mullol Miret (Barcelona, Catalonia, Spain)
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- 13:15** **Joining forces: combating eosinophilic disease progression across the unified airway**
 Christian Domingo Ribas (Sabadell (Barcelona), Spain), Martin Wagenmann (Düsseldorf, Germany)
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- 13:45** **Managing real-world patients: putting the pieces together**
 Peter H. Howarth (Brentford, United Kingdom), Joaquim Mullol Miret (Barcelona, Catalonia, Spain), Martin Wagenmann (Düsseldorf, Germany), Christian Domingo Ribas (Sabadell (Barcelona), Spain)
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- 13:55** **Q&A**
 Peter H. Howarth (Brentford, United Kingdom), Joaquim Mullol Miret (Barcelona, Catalonia, Spain), Christian Domingo Ribas (Sabadell (Barcelona), Spain), Martin Wagenmann (Düsseldorf, Germany)

8H (live-streamed) Session 13:00 - 14:00**Industry Lunchtime Symposium: Recovering the "Lost Art" of Breathing in COPD and Asthma***Organised by Menarini group***Chairs :** Alvar Agusti Garcia-Navarro (Barcelona, Spain)

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|--------------|---|
| 13:00 | Introduction
Alvar Agusti Garcia-Navarro (Barcelona, Spain) |
| 13:05 | Symptoms and Exacerbations: two sides of the same coin
Claus Vogelmeier (Marburg, Germany) |
| 13:20 | Time matters: The opportunity to reduce mortality in COPD
David M. G. Halpin (Exeter, United Kingdom) |
| 13:35 | Ensuring effectiveness through a simplified treatment approach in an Asthma complex world
Fulvio Braido (Genova, Italy) |
| 13:50 | Open discussion
Alvar Agusti Garcia-Navarro (Barcelona, Spain) |

8G (live-streamed) Session 13:00 - 14:00**Industry Lunchtime Symposium: Take a Deep Breath: The Evolving Role of Biologics in Pediatric Severe Asthma***Organised by Sanofi Genzyme*

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| 13:00 | Inhale: Understanding the True Burden of Pediatric Severe Asthma and Underlying Type 2 Inflammation
Eckard Hamelmann (Bielefeld, Germany) |
| 13:25 | Exhale: Can Biologics Meet the Clinical Needs of Pediatric Asthma Patients?
Leonard Bacharier (Nashville, United States) |
| 13:50 | Panel Discussion and Q&A
Eckard Hamelmann (Bielefeld, Germany), Leonard Bacharier (Nashville, United States) |

Industry Virtual Channel Session 13:00 - 14:00**Industry Virtual Symposium: Advancing care in alpha-1 antitrypsin deficiency: Working towards meeting holistic patient needs***Organised by Takeda Pharmaceuticals International GmbH***Chairs :** Marc Miravittles (Barcelona (CT), Spain)

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|--------------|---|
| 13:00 | Introduction from the Chair: AATD disease background and EARCO Registry data
Marc Miravittles (Barcelona (CT), Spain) |
| 13:10 | ARALAST® NP (RYMPHYSIA®) [Alpha-1 Proteinase Inhibitor (Human)] Clinical Efficacy Study: Advancing research in patients with AATD
Jason Homsey (Cambridge, United States) |
| 13:20 | Working towards holistic management of AATD: A lung and liver disease
Virginia Clark (Gainesville, United States) |
| 13:30 | A patient's vision for the future of care in AATD. Can we get there, and how?
Frank Willersinn (Bruxelles, Belgium) |
| 13:40 | Panel discussion: Moving forward together: Priorities for the advancement of care in AATD
Marc Miravittles (Barcelona (CT), Spain), Jason Homsey (Cambridge, United States), Virginia Clark (Gainesville, United States), Frank Willersinn (Bruxelles, Belgium) |
| 13:55 | Summary and close
Marc Miravittles (Barcelona (CT), Spain) |

8K Session 14:00 - 14:45**Industry Skills Lab Workshop: Implementing a digital sleep apnoea pathway in clinical practice***Organised by ResMed*

Chairs : Ulla Anttalainen (Paimio, Finland), Christopher Carlin

14:00 **Implementing a digital diagnostic pathway in clinical practice**
Laurien Teunissen

14:20 **Case study of an out-of-hospital virtual CPAP pathway in clinical practice**
David Jones

8J Session 14:00 - 14:45

Industry Skills Lab Workshop: Efficient OSA management with the DreamStation 2 sleep therapy solution

Organised by Philips

Chairs : Cheryl Needham (Wexford, United States)

14:00 **DreamStation 2 sleep therapy solution**
Thomas Catalano (Monroeville, United States)

8G (live-streamed) Session 18:00 - 19:30

Industry Evening Symposium: Proactive risk management: a novel approach to embedding OCS Stewardship into asthma care

Organised by AstraZeneca

Chairs : David Price (Singapore, Singapore)

18:00 **Welcome and introduction**
David Price (Singapore, Singapore)

18:05 **OCS Stewardship: where we are now?**
Giorgio Walter Canonica (Milano (MI), Italy)

18:20 **Assessing the impact of OCS use: moving beyond exposure**
Liam G. Heaney (Belfast (Belfast), United Kingdom)

18:30 **Practical tools to enable risk prediction in asthma**
David Price (Singapore, Singapore)

18:40 **Panel discussion**
David Price (Singapore, Singapore), Giorgio Walter Canonica (Milano (MI), Italy), Liam G. Heaney (Belfast (Belfast), United Kingdom)

18:55 **Summary and close**
David Price (Singapore, Singapore)

8A (live-streamed) Session 18:00 - 19:30

Industry Evening Symposium: New strategies to manage intermediate-risk patients with PAH by advancing Oral Prostacyclin treatment

Organised by Ferrer

Chairs : R James White (Rochester, United States)

18:00 **Introduction**
R James White (Rochester, United States)

18:05 **Is there a dose-response effect with oral Treprostinil?**
Carmine Dario Vizza (Roma (RM), Italy), R James White (Rochester, United States)

18:30 **What is the new clinical evidence with oral Treprostinil after FREEDOM-EV trial?**
Joanna Pepke-Zaba (Cambridge, United Kingdom), Sandeep Sahay (Houston, United States)

18:55 **Round table discussion. Oral treatment combinations in intermediate-risk PAH patients: The place for oral Treprostinil?**
Carmine Dario Vizza (Roma (RM), Italy), Joanna Pepke-Zaba (Cambridge, United Kingdom), Sandeep Sahay (Houston, United States), Marius M. Hoeper (Hannover, Germany), R James White (Rochester, United States)

19:25 **Closing remarks**
R James White (Rochester, United States)

8B (live-streamed) Session 18:00 - 19:30**Industry Evening Symposium: Consulting the ORACLE: moving towards a predict and prevent model to raise ambition for patients with severe asthma***Organised by GSK***Chairs :** Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom)

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| 18:00 | Welcome and introduction
Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom) |
| 18:10 | How it all began: demonstrating consistent efficacy of Nucala in RCT and RWE data
Andrea Matucci (Florence, Italy) |
| 18:20 | Clinical Remission: defining more ambitious endpoints for patients with severe asthma
Arnaud Bourdin (Montpellier Cedex 5, France) |
| 18:30 | Achieving clinical remission through real-world data
Geoffrey Chupp (New Haven, United States) |
| 18:45 | Predict and prevent: utilising the ORACLE
Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom) |
| 19:00 | Panel and audience discussion
Arnaud Bourdin (Montpellier Cedex 5, France), Andrea Matucci (Florence, Italy), Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Geoffrey Chupp (New Haven, United States) |

8N Session 18:00 - 19:30**Industry Evening Symposium: Picturing the human being behind the patient: the latest COPD challenge***Organised by Menarini Group***Chairs :** Claudio Micheletto (S.Giovanni Lupatoto, Italy)

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| 18:00 | COPD 2022: new opportunities to take, old enemies to face
Claudio Micheletto (S.Giovanni Lupatoto, Italy) |
| 18:10 | Back to basics: symptoms control as the basis for the management of COPD patients
Konstantinos Kostikas (Ioannina, Greece) |
| 18:40 | COmmunicating with Patients: our Duty
Jutta Beier (Wiesbaden, Germany) |
| 19:00 | Closing remarks
Claudio Micheletto (S.Giovanni Lupatoto, Italy) |
| 19:20 | Q&A
Claudio Micheletto (S.Giovanni Lupatoto, Italy) |

8M Session 18:00 - 19:30**Industry Evening Symposium: IPF and COPD: close siblings or distant cousins?***Organised by F. Hoffmann-La Roche Ltd.***Chairs :** Maria Molina Molina (Barcelona, Spain)

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| 18:00 | Opening remarks
Maria Molina Molina (Barcelona, Spain) |
| 18:05 | Debate: IPF and COPD are distant cousins
Katerina Antoniou (Heraklion, Greece) |
| 18:17 | Debate: IPF and COPD are close siblings
Venerino Poletti (Forli, Italy) |
| 18:29 | Rebuttal
Venerino Poletti (Forli, Italy), Katerina Antoniou (Heraklion, Greece) |
| 18:35 | COPD - new treatment approaches
Claus Vogelmeier (Marburg, Germany) |

18:55 **IPF - new treatment approaches**
Luca Richeldi (Roma, Italy)

19:15 **Q&A**
Maria Molina Molina (Barcelona, Spain), Katerina Antoniou (Heraklion, Greece), Venerino Poletti (Forlì, Italy), Claus Vogelmeier (Marburg, Germany), Luca Richeldi (Roma, Italy)

8C (live-streamed) Session 18:00 - 19:30

Industry Evening Symposium: Introducing Dupilumab for the Treatment of Uncontrolled Pediatric Asthma

Organised by Sanofi Regeneron

Chairs : Leonard Bacharier (Nashville, United States)

18:00 **Opening Remarks**
Leonard Bacharier (Nashville, United States), Jonathan Corren (Los Angeles, United States)

18:05 **Paediatric Asthma: An Ongoing Global Epidemic**
Jonathan Corren (Los Angeles, United States)

18:15 **Expert Commentary: Burden of Disease Extends Through Adulthood**
Leonard Bacharier (Nashville, United States), Jonathan Corren (Los Angeles, United States)

18:25 **Relieving the Burden on Children: Dupilumab Improves Asthma Outcomes**
Leonard Bacharier (Nashville, United States)

18:40 **Patient Case: Clinical Experience With Dupilumab**
Jonathan Corren (Los Angeles, United States)

18:50 **Expert Commentary: Real-World Use of Dupilumab**
Leonard Bacharier (Nashville, United States), Jonathan Corren (Los Angeles, United States)

19:00 **The Link Between Type 2 Inflammation and Uncontrolled Paediatric Asthma**
Leonard Bacharier (Nashville, United States)

19:10 **Audience Q&A**
Leonard Bacharier (Nashville, United States), Jonathan Corren (Los Angeles, United States)

19:25 **Closing Remarks**
Leonard Bacharier (Nashville, United States), Jonathan Corren (Los Angeles, United States)

8H (live-streamed) Session 18:00 - 19:30

Industry Evening Symposium: Asthma and COPD disease management: learning from the past, evaluating the present and looking to the future

Organised by Teva Pharmaceuticals Europe B.V.

Chairs : Peter J. Barnes (London, United Kingdom)

18:00 **Welcome and opening address**
Peter J. Barnes (London, United Kingdom)

18:10 **Different decade, same problem – managing asthma and COPD in the 2020s**
Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom)

18:25 **Controller therapies – why are we still facing the same challenges?**
Johann Christian Virchow (Rostock, Germany)

18:40 **Looking to the future – how could digital inhalers revolutionise the management of chronic respiratory diseases?**
Henry Chrystyn (Bingley (West Yorkshire), United Kingdom)

18:55 **Panel discussion: Working together to achieve more connected care**
Peter J. Barnes (London, United Kingdom), Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Johann Christian Virchow (Rostock, Germany), Henry Chrystyn (Bingley (West Yorkshire), United Kingdom)

19:05 **Discussion and audience questions**
Peter J. Barnes (London, United Kingdom), Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Johann Christian Virchow (Rostock, Germany), Henry Chrystyn (Bingley (West Yorkshire), United Kingdom)

8L	Session	18:00 - 19:30
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Industry Evening Mini-Symposium: Clinical and Cost Effectiveness of Autotitrating NIV for Obesity Hypoventilation Syndrome: Rise of the Machines

Organised by Philips

Chairs : Michael Polkey (London, United Kingdom)

18:00	Introduction Nicholas Hart (London, United Kingdom)
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18:05	Trial PICO and clinical implications Nicholas Hart (London, United Kingdom)
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18:40	Trial PICO and clinical implications Maxime Patout (Paris, France)
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19:15	Q&A
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8F	Session	18:00 - 19:30
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Industry Evening Mini-Symposium: Choices in Asthma and COPD Care: How to Maximize Outcomes for Patients

Organised by Orion Pharma

Chairs : Eric D. Bateman (Cape Town, South Africa), Ashley Woodcock (Manchester (Greater Manchester), United Kingdom)

18:00	Welcome Ashley Woodcock (Manchester (Greater Manchester), United Kingdom)
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18:05	Preventing or treating symptoms in asthma –which is better for your patient? Federico Lavorini (Firenze (FI), Italy)
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18:20	Good treatment outcomes in COPD: What does it take? Ashley Woodcock (Manchester (Greater Manchester), United Kingdom)
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18:35	Inhaler types: What's the difference for your patients? Charlotte Suppli Ulrik (Virum, Denmark)
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18:50	Sustainable asthma and COPD care Dave Singh (Manchester, United Kingdom)
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19:05	Sustainable asthma and COPD care Ashley Woodcock (Manchester (Greater Manchester), United Kingdom)
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19:25	Panel discussion Eric D. Bateman (Cape Town, South Africa)
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Industry Virtual Channel	Session	18:00 - 19:30
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Industry Virtual Symposium: Managing hospitalised patients with COVID-19 in the post-vaccination era: The role of antivirals

Organised by Gilead Sciences Europe Ltd

Chairs : Tobias Welte (Hannover, Germany)

18:00	Welcome and introduction Where are we now in the COVID-19 pandemic? Tobias Welte (Hannover, Germany)
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18:07	What clinical dilemmas are pulmonologists facing? Elizabeth Sapey (Birmingham (West Midlands), United Kingdom)
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18:17	What are the considerations for hospitalised patients not on supplemental oxygen and at risk of severe COVID-19? Elizabeth Sapey (Birmingham (West Midlands), United Kingdom)
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18:27	What is the approach for patients with COVID-19 requiring supplementary oxygen? Andrew Ustianowski (Manchester, United Kingdom)
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18:42 **Where next in the post-vaccination era? Panel discussion**
Tobias Welte (Hannover, Germany)

18:57 **Key learnings**
Tobias Welte (Hannover, Germany)

8G (live-streamed) Session 08:00 - 09:15**Industry Early Morning Symposium: Your chronic respiratory disease patients – What do you know about their risk of infectious disease?***Organised by GSK***Chairs :** Javier Díez Domingo (Valencia, Spain)

- | | |
|--------------|--|
| 08:00 | Welcome and introduction
Javier Díez Domingo (Valencia, Spain) |
| 08:10 | The shadow of pertussis in chronic respiratory disease
Giovanni Gabutti (Ferrara, Italy) |
| 08:23 | Shingles: understanding the risk and evolving prevention strategies
Tobias Welte (Hannover, Germany) |
| 08:36 | Vaccination of respiratory diseases patients – how can we increase the coverage?
Rosario Menendez Villanueva (Valencia, Spain) |
| 08:49 | Panel discussion
Javier Díez Domingo (Valencia, Spain), Tobias Welte (Hannover, Germany), Rosario Menendez Villanueva (Valencia, Spain), Giovanni Gabutti (Ferrara, Italy) |
| 09:09 | Summary and closure
Javier Díez Domingo (Valencia, Spain) |

8H (live-streamed) Session 08:00 - 09:15**Industry Early Morning Symposium: Keeping It Simple: Providing Precision Medicine to Adults With Severe Asthma***Organised by Sanofi Genzyme*

- | | |
|--------------|--|
| 08:00 | Predicting the Response: Using Type 2 Biomarkers to Navigate the Biologic Landscape in Adults With Severe Asthma
Oscar Palomares (Madrid, Spain), Enrico Marco Heffler (Milano, Italy) |
| 08:20 | Achieving Control Without Oral Corticosteroids: An Expert Review of Guideline-Driven Management of Adult Severe Asthma With Biologics
Enrico Marco Heffler (Milano, Italy) |
| 08:30 | The Road Ahead: Plotting the Course for Maintaining Long-Term Improvements in Adults With Severe Asthma
Andrew Menzies-Gow (London, United Kingdom), Oscar Palomares (Madrid, Spain) |
| 09:00 | Panel Discussion
Oscar Palomares (Madrid, Spain), Enrico Marco Heffler (Milano, Italy), Andrew Menzies-Gow (London, United Kingdom) |
| 09:10 | Q&A
Oscar Palomares (Madrid, Spain), Enrico Marco Heffler (Milano, Italy), Andrew Menzies-Gow (London, United Kingdom) |

8M Session 08:00 - 09:15**Industry Early Morning Mini-Symposium: Tackling pulmonary disease in children and adults with cystic fibrosis: Has the paradigm shifted?***Organised by Vertex Pharmaceuticals (Europe) Limited*

- | | |
|--------------|---|
| 08:00 | Introductory animation |
| 08:02 | Chair's intro: A changing landscape in cystic fibrosis (CF)
Silvia Gartner (Barcelona, Spain) |
| 08:12 | The importance of preserving CF lung function and structure from early ages
Marcus Mall (Berlin, Germany) |

- 08:22** **Monitoring lung disease: Beyond spirometry**
Pedro Mondejar Lopez (Molina de Segura (Murcia), Spain)
-
- 08:32** **Growing older with CF: A new paradigm for pulmonologists?**
Nicholas Simmonds (London, United Kingdom)
-
- 08:42** **Panel discussion and audience polling**
Silvia Gartner (Barcelona, Spain), Marcus Mall (Berlin, Germany), Pedro Mondejar Lopez (Molina de Segura (Murcia), Spain), Nicholas Simmonds (London, United Kingdom)
-
- 09:12** **Chair's close: A look ahead**
Silvia Gartner (Barcelona, Spain)

Industry Virtual Channel Session 08:00 - 09:15

Industry Virtual Symposium: Childhood ILD (chILD): addressing the challenges

Organised by Boehringer Ingelheim International GmbH

Chairs : Matthias Griese (München, Germany)

- 08:00** **Introduction**
Matthias Griese (München, Germany)
-
- 08:05** **chILD: what do we know?**
Nicolaus Schwerk (Hannover, Germany)
-
- 08:20** **Challenges in the management of chILD**
Lisa Young (Philadelphia, United States)
-
- 08:35** **InPedILD trial of nintedanib in chILD**
Robin Deterding (Aurora, United States)
-
- 08:55** **Panel discussion**
Matthias Griese (München, Germany), Nicolaus Schwerk (Hannover, Germany), Lisa Young (Philadelphia, United States), Robin Deterding (Aurora, United States)

8A (live-streamed) Session 08:00 - 09:15

Industry Early Morning Symposium: What role will antivirals play in treating COVID-19 this winter and beyond?

Organised by Shionogi

Chairs : Andreas Johannis Karas (Ascot, United Kingdom)

- 08:00** **Welcome & Introduction**
Andreas Johannis Karas (Ascot, United Kingdom)
-
- 08:05** **What do we expect to see from COVID-19 this winter and into 2023?**
Santiago Moreno (Madrid, Spain)
-
- 08:30** **How are antivirals best utilised to minimise the impact of COVID-19 this winter?**
Yohei Doi (Toyoake, Japan)
-
- 08:55** **Chair led panel discussion**
Andreas Johannis Karas (Ascot, United Kingdom)

8B (live-streamed) Session 08:00 - 09:15

Industry Early Morning Symposium: Clinical Improvement as Endpoint in PAH

Organised by MSD

Chairs : Olivier Sitbon (Le Kremlin-Bicêtre, France)

- 08:00** **Welcome and Opening Lecture: Prognostic value of Improvement endpoints in Pulmonary Arterial Hypertension**
Marius M. Hoeper (Hannover, Germany)
-
- 08:20** **Multicomponent Improvement Endpoint Thresholds in Past and Current PAH Clinical Trials**
Stephan Rosenkranz (Köln, Germany)

08:30 **Multicomponent Clinical Improvement vs. Clinical Worsening endpoints: PROs & CONs**
Olivier Sitbon (Le Kremlin-Bicêtre, France)

08:45 **Round Table Q&A/discussion**
Moderated by: Olivier Sitbon
Olivier Sitbon (Le Kremlin-Bicêtre, France)

09:10 **Summary and Close**
Olivier Sitbon (Le Kremlin-Bicêtre, France)

8J **Session** **08:00 - 08:45**

Industry Skills Lab Workshop: Eucapnic Voluntary Hyperpnea (EVH) Provocation Test: Gold Standard for Diagnosing Exercise-Induced Asthma? Practical guide to use this new challenge test.

Organised by GANSHORN Medizin Electronic GmbH

08:00

8K **Session** **08:00 - 08:45**

Industry Skills Lab Workshop: A New Era in Distal Mucus Management

Organised by PhysioAssist

08:00

08:18

08:36

08:54

8K **Session** **10:30 - 11:15**

Industry Skills Lab Workshop: Lung Cancer Diagnostic Pathway: CT with AI analysis to Bronchoscopic Diagnosis

Organised by FUJIFILM

10:30

8J **Session** **10:30 - 11:15**

Industry Skills Lab Workshop: ARIKAYCE liposomal®: a practical guide to use

Organised by Insmad

Chairs : Roald van der Laan (Huijbergen, Netherlands), Stefano Aliberti (Milano (MI), Italy)

10:30 **Welcome**
Roald van der Laan (Huijbergen, Netherlands)

10:35 **Introduction**
Stefano Aliberti (Milano (MI), Italy)

10:40 **Overview of ARIKAYCE liposomal and demonstration of its use**
Roald van der Laan (Huijbergen, Netherlands)

10:50 **A practical guide to ensuring a successful early-user experience**
Stefano Aliberti (Milano (MI), Italy)

11:05 **Summary and close**
Roald van der Laan (Huijbergen, Netherlands)

8H (live-streamed) **Session** **13:00 - 14:00**

Industry Lunchtime Symposium: Can we do more for our COPD patients? New frontiers in clinical care

Organised by Chiesi Farmaceutici S.p.A.

Chairs : Leonardo Michele Fabbri (Modena, Italy)

- 13:00** **New roads towards COPD prevention, earlier diagnosis and treatment**
Alvar Agusti Garcia-Navarro (Barcelona, Spain)
-
- 13:15** **An identity card to effectively detect a COPD exacerbation: The Rome proposal**
Leonardo Michele Fabbri (Modena, Italy)
-
- 13:30** **Patients and inhalers: navigating the options to ensure the most suitable match**
Kai Michael Beeh (Wiesbaden, Germany)
-
- 13:45** **Q&A**
Alvar Agusti Garcia-Navarro (Barcelona, Spain), Leonardo Michele Fabbri (Modena, Italy), Kai Michael Beeh (Wiesbaden, Germany)

8G (live-streamed) Session 13:00 - 14:00

Industry Lunchtime Symposium: Management of Pulmonary Hypertension associated with ILD: Present and Future

Organised by Ferrer

Chairs : Vincent Cottin (Lyon, France)

- 13:00** **Burden of Disease and unmet needs: screening and early referral relevance**
Juergen Behr (München, Germany)
-
- 13:15** **The landmark INCREASE study**
Steven D Nathan (Falls Church, United States)
-
- 13:40** **Round table discussion: Screening of PH in ILD patients: most useful tools and ideal process**
Juergen Behr (München, Germany), Steven D Nathan (Falls Church, United States), Vincent Cottin (Lyon, France)

8A (live-streamed) Session 13:00 - 14:00

Industry Lunchtime Symposium: Evolving concepts in the treatment of nosocomial pneumonia

Organised by MSD

Chairs : Despoina Koulenti (Brisbane, Australia), Tobias Welte (Hannover, Germany)

- 13:00** **Welcome and opening remarks**
Tobias Welte (Hannover, Germany), Despoina Koulenti (Brisbane, Australia)
-
- 13:04** **What's new since the last guideline publication?**
Antoni Torres Marti (Barcelona, Spain)
-
- 13:22** **What has real-world evidence taught us?**
Ignacio Martin-Loeches (Dublin, Ireland)
-
- 13:40** **Panel Discussion**
Tobias Welte (Hannover, Germany), Despoina Koulenti (Brisbane, Australia), Ignacio Martin-Loeches (Dublin, Ireland), Antoni Torres Marti (Barcelona, Spain)
-
- 13:56** **Closing Remarks**
Despoina Koulenti (Brisbane, Australia), Tobias Welte (Hannover, Germany)

8B (live-streamed) Session 13:00 - 14:00

Industry Lunchtime Symposium: Going FURTHER: from surviving to thriving on the asthma patient journey

Organised by GSK

Chairs : Rob Cook (London, United Kingdom)

- 13:00** **Welcome and opening**
Rob Cook (London, United Kingdom)
-
- 13:05** **Living with asthma: the patient perspective**
Olivia Fulton (Edinburgh (Edinburgh), United Kingdom)

13:15 Health literacy for better patient outcomes: fostering simple and trustful communication in respiratory healthcare
Nicole Hass (Villagarcía de Arosa/ Pontevedra, Spain)

13:25 Improving patient care and outcomes through shared decision-making: the role of motivational communication
Kim Lavoie (Montréal (QC), Canada)

13:35 Live Q&A
Rob Cook (London, United Kingdom), Nicole Hass (Villagarcía de Arosa/ Pontevedra, Spain), Olivia Fulton (Edinburgh (Edinburgh), United Kingdom), Kim Lavoie (Montréal (QC), Canada)

8M Session 13:00 - 14:00

Industry Lunchtime Symposium: Diagnosis of Incidental CT findings: Insights on guidelines, tools and various approaches – Building on EBUS-TBNA and advancing to peripheral bronchoscopy?

Organised by Olympus Europa SE & Co. KG

Chairs : Felix J.F. Herth (Heidelberg, Germany)

13:00 Introduction to incidental CT findings and recommendations from guidelines
Felix J.F. Herth (Heidelberg, Germany)

13:10 Which tools do we already have for diagnosis?
Samy Lachkar (Rouen, France)

13:20 What do we get next?
Juliana Guarize (Milano (MI), Italy)

13:30 Interactive case discussion
Felix J.F. Herth (Heidelberg, Germany), Samy Lachkar (Rouen, France), Juliana Guarize (Milano (MI), Italy)

8J Session 14:00 - 14:45

Industry Skills Lab Workshop: Non-Invasive Bronchoscopic Treatment for Severe Emphysema Patients using The Zephyr Valve - Assess. Target. Treat. Slebos, Dirk-Jan; Shah, Pallav L.

Organised by Pulmonx

Chairs : Dirk-Jan Slebos (Groningen, Netherlands), Pallav L. Shah (London, United Kingdom)

14:00 Tools to use in selecting the right patients with Severe Emphysema that would benefit most from The Zephyr Valve. Assess.
Dirk-Jan Slebos (Groningen, Netherlands)

14:10 The How-To on The Zephyr Valve treatment to ensure the expected outcomes. Target. Treat.
Pallav L. Shah (London, United Kingdom)

14:20 Practical Hands-On Session with guidance from experienced users

8K Session 14:00 - 14:45

Industry Skills Lab Workshop: Single Use Bronchoscopy— New Possibilities & Tips and Tricks

Organised by Vathin Medical

Chairs :

14:00 Fotios Sampsonas (Patra, Greece)

8C (live-streamed) Session 18:00 - 19:30

Industry Evening Symposium: New Frontiers in COPD—Where Are We Heading?

Organised by Sanofi Genzyme

Chairs : Alvar Agusti Garcia-Navarro (Barcelona, Spain)

18:00 Welcome and Introductions
Alvar Agusti Garcia-Navarro (Barcelona, Spain)

- 18:05 A GETomics Perspective of COPD: What Is It?**
Alvar Agusti Garcia-Navarro (Barcelona, Spain)
-
- 18:15 Advances in Our Understanding of Inflammation in COPD**
Stephanie Christenson (San Francisco, United States)
-
- 18:30 Knowns and Unknowns in COPD Management**
MeiLan K. Han (Ann Arbor, United States)
-
- 18:50 Changing Treatment Paradigms: The Evolving Biologic Landscape in COPD**
Dave Singh (Manchester, United Kingdom)
-
- 19:05 Panel Discussion**
Alvar Agusti Garcia-Navarro (Barcelona, Spain), Stephanie Christenson (San Francisco, United States), MeiLan K. Han (Ann Arbor, United States), Dave Singh (Manchester, United Kingdom)
-
- 19:20 Audience Q&A**
Alvar Agusti Garcia-Navarro (Barcelona, Spain), Stephanie Christenson (San Francisco, United States), MeiLan K. Han (Ann Arbor, United States), Dave Singh (Manchester, United Kingdom)

8N Session 18:00 - 19:30

Industry Evening Symposium: Non-Cystic Fibrosis Bronchiectasis: Don't Neglect Neutrophilic Inflammation

Organised by Insmad

Chairs : Eva Polverino (Barcelona, Spain)

- 18:00 Welcome and Introductions**
Eva Polverino (Barcelona, Spain)
-
- 18:05 Current State of Affairs in NCFBE**
Eva Polverino (Barcelona, Spain), Stefano Aliberti (Milano (MI), Italy), Holly R. Keir (Dundee (Angus), United Kingdom)
-
- 18:20 Refocus on Immunity and Neutrophils in NCFBE**
Holly R. Keir (Dundee (Angus), United Kingdom)
-
- 18:45 Panel discussion and Audience Q&A**
Eva Polverino (Barcelona, Spain), Stefano Aliberti (Milano (MI), Italy), Holly R. Keir (Dundee (Angus), United Kingdom)
-
- 18:55 Emerging Treatments for NCFBE**
Stefano Aliberti (Milano (MI), Italy)
-
- 19:15 The Future of NCFBE Management**
Eva Polverino (Barcelona, Spain), Stefano Aliberti (Milano (MI), Italy), Holly R. Keir (Dundee (Angus), United Kingdom)

8A (live-streamed) Session 18:00 - 19:30

Industry Evening Symposium: Identifying Patients with Chronic Cough

Organised by MSD

Chairs : Christian Domingo Ribas (Sabadell (Barcelona), Spain)

- 18:00 Opening Remarks**
Christian Domingo Ribas (Sabadell (Barcelona), Spain)
-
- 18:10 Mechanisms of Cough – What do we need to know to understand our patients?**
Jaclyn Smith (Manchester (Greater Manchester), United Kingdom)
-
- 18:30 A patient case of chronic cough; what do the ERS guidelines say?**
Alyn Hugh Morice (Cottingham, United Kingdom)
-
- 18:50 A patient case of chronic cough; learnings from a recent Canadian consensus**
Imran Satia (Hamilton, Canada)
-
- 19:10 Q&A and panel discussion**
Christian Domingo Ribas (Sabadell (Barcelona), Spain)

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 KORTA MURUA J.
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 KORTEN I.
 KORTIANOU E.
 KORZ C.
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 KÖSE M.
 KOSE N.
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 KOSTARIDOU S.
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 KOSTI C.
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 KOSTINE M.
 KOSTMINDER O.
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 KOTANIDOU A.
- KOTE A.
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 KOTTEAS E.
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 KOVA EVI D.
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 KOVA EVI T.
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 KOVALOVA Y.
 KOVATS Z.
 KOVCHUN A.
 KOWAL-BIELECKA O.
 KOYAMA K.
 KOZIAR VASAKOVA
 M.
 KOZ OWSKA H.
 KOZ OWSKI M.
 KRABBENDAM L.
 KRACH F.
 KRAFT M.
 KRAG A.
 KRAGH K.
 KRAGHOLM K.
 KRAGHOLM K.
 KRAGSTRUP T.
 KRAMARI T.
 KRAMER M.
 KRÄMER S.
 KRAMER T.
 KRANEVELD A.
 KRASIMIROVA D.

- KRASNODEMBSKAYA A.
 KRASOWSKA D.
 KRAUS D.
 KRAVCHENKO N.
 KRAWCZAK M.
 KREBS T.
 KREFTING D.
 KREJCI J.
 KREMER F.
 KREMER R.
 KREMSNER P.
 KRENKE K.
 KRENKE R.
 KRENTZ H.
 KREUTER M.
 KRICHEN E.
 KRICHEN H.
 KRICKER J.
 KRIEKOVA E.
 KRIEGSMANN K.
 KRIEMLER S.
 KRISHNA T.
 KRISHNA V.
 KRISHNAMOORTHY G.
 KRISHNAN A.
 KRISHNAN J.
 KRISHNAN J.
 KRISHNARAJ V.
 KRIST L.
 KRISTENSEN L.
 KRISTENSEN P.
 KRISTINA B.
 KRITIKAKI E.
 KRITIKOU M.
 KRIVEC U.
 KROES H.
 KROES J.
 KROES J.
 KROESEN B.
 KROFT L.
 KROGH-MADSEN R.
 KROMANN LUND T.
 KRONIG F.
 KRONMAL R.
 KRONSBELN J.
 KRONTSI A.
 KRONTSI A.
 KROP J.
 KROPPEN D.
 KRUGER A.
 KRÜGER M.
 KRUISSELBRINK R.
 KRULJAC C.
 KRÜLL M.
 KRYKHTINA M.
 KRZY EWSKA A.
 KSOURI C.
 KUBIAK J.
 KÜBLER W.
 KUBO S.
- KUBOTA K.
 KUBOTA M.
 KUCHERENKO .
 KUCHERENKO M.
 KUCKREJA S.
 KUCUK H.
 KUDELKA M.
 KUEBECK R.
 KUEBLER W.
 KUEBLER W.
 KUEH K.
 KUEHNEL M.
 KUEHNEL M.
 KUEHNI C.
 KUEHNI C.
 KUENG E.
 KUHLER R.
 KUHN A.
 KUHN B.
 KÜHN C.
 KUHN H.
 KUHN M.
 KUHN M.
 KUIJVENHOVEN J.
 KUINT R.
 KUKAVICA D.
 KUKLINSKI C.
 KULARATNE M.
 KULENDRAJAH B.
 KULESZA A.
 KULESZA A.
 KULKARNI A.
 KULKARNI H.
 KULKARNI T.
 KULKARNI V.
 KULL I.
 KULNIK S.
 KULOGLU Z.
 KULYNYCH-MISKIV M.
 KUM E.
 KUMAL GOTHWAL S.
 KUMAR A.
 KUMAR A.
 KUMAR D.
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 KUMAR V.
 KUMAR NEGI A.
 KUMARASAMY N.
 KUMARI R.
 KUNA P.
 KUNASEELAN S.
 KUNII K.
- KÜNSTLE N.
 KUNTZ K.
 KUNZ R.
 KUNZELMANN K.
 KUO C.
 KUO C.
 KUPLAST-BARR K.
 KURD R.
 KURMI O.
 KURONEN I.
 KUROWSKA-STOLARSKA M.
 KURTH F.
 KURUKLAARATCHY R.
 KURUKLARAARATC HY R.
 KURVER L.
 KUS J.
 KUSABA Y.
 KUSHNAREV V.
 KUSTER S.
 KUSUMOTO S.
 KUSUNOSE M.
 KUTSCHKE D.
 KÜTÜKÇÜ E.
 KUWAL A.
 KUWANO K.
 KUYPERS D.
 KUZHKO M.
 KVIDALAND H.
 KVIDALAND H.
 KWAKKEL-VAN ERP J.
 KWAN K.
 KWAPISZEWSKA G.
 KWAS H.
 KWASS H.
 KWIATEK J.
 KWIATEK S.
 KWIECIEN I.
 KWON H.
 KWON J.
 KWON N.
 KWONG H.
 KYAW K.
 KYLE A.
 KYRIAKOPOULOS C.
 KYVSGAARD J.
- L**
 L Y CHAN L.
 L. M. BOUROTTE C.
 L. MAROTT J.
 LA GRUTTA S.
 LA GRUTTA S.
 LA REGINA D.
 LA REGINA D.
 LA ROCCA M.
 LA ROSA C.
 LA ROSA H.
 LA SALA C.
 LAADHAR L.
 LAATAR A.
- LABADESSA I.
 LABAKI W.
 LABANI A.
 LABATE L.
 LABIDI A.
 LABOR M.
 LABRADOR M.
 LACASSE Y.
 LACEDONIA D.
 LACIN F.
 LACOMA A.
 LACOMBE V.
 LACOSTE V.
 LADHARI N.
 LAENGER F.
 LAFETÁ M.
 LAFFEY J.
 LAGADINO M.
 LAGES M.
 LAGHI F.
 LAGIOU P.
 LAGRAFEUILLE R.
 LAGRASTA C.
 LAHNSTEINER E.
 LAHOUSSE L.
 LAHOZ R.
 LAHOZ ALONSO R.
 LAIMAN V.
 LAINE A.
 LAINE-CARPELLI J.
 LAING I.
 LAING S.
 LAIRD P.
 LAISAAR K.
 LAISAAR T.
 LAITANO R.
 LAJER C.
 LAJOINIE A.
 LAJUNEN T.
 LAKE P.
 LAKHDIR M.
 LAKLAAI Z.
 LAKOMSKI N.
 LAKSHMI V.
 LAL A.
 LAL A.
 LALANI M.
 LALIC CICKOVIC I.
 LAM J.
 LAM J.
 LAM Y.
 LAMA A.
 LAMB G.
 LAMBERTI R.
 LAMBIRI E.
 LAMBRECHTS A.
 LAMKADDAM# H.
 LAMOTE K.
 LAMOTTE F.
 LAMPALO M.
- LAMPRON N.
 LAMPROU K.
 LANARIO J.
 LANARIO J.
 LANCASTER B.
 LANCASTER L.
 LANCE F.
 LANCIA A.
 LANCIA L.
 LANCLUS M.
 LANDERS D.
 LANDETE P.
 LANDETE RODRÍGUEZ P.
 LANDI C.
 LANDLESS R.
 LANDO V.
 LANDONI G.
 LANDRY TRUCHON K.
 LANDSMAN J.
 LANDT E.
 LANDT E.
 LANE N.
 LANE S.
 LANFRANCHI F.
 LANG C.
 LANG I.
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 LANG S.
 LANGAN D.
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 LANGE C.
 LANGE J.
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 LANGE P.
 LANGEDIJK A.
 LANGELAND N.
 LANGER D.
 LANGEREIS S.
 LANGEVELD B.
 LANGFORD-WILEY B.
 LANGFORT R.
 LANGHAMMER A.
 LANGLANDS L.
 LANGLEY R.
 LANGTON D.
 LANGWI SKI W.
 LANKE K.
 LANONE S.
 LANOUILLE S.
 LANSPA M.
 LANTOS A.
 LANTSCHSNER R.
 LANZ M.
 LANZA A.
 LANZA F.
 LANZA MARTÍNEZ Á.
 LANZILLO A.
- LAORDEN ESCUDERO D.
 LAOUALI N.
 LAPADULA G.
 LAPAQUE N.
 LAPI F.
 LAPINEL N.
 LAPORTA R.
 LAPORTA HERNÁNDEZ R.
 LAPORTE F.
 LAPPERRE T.
 LAPPERRE T.
 LAPPI-BLANCO E.
 LAPRISE C.
 LAPSHYN V.
 LARBIG M.
 LARBY J.
 LARENAS LINNEMANN D.
 LARENAS-LINNEMANN D.
 LARGE D.
 LAROMAIN E.
 LAROMAGNE S.
 LARRATEGUY S.
 LARROSA JIMÉNEZ R.
 LARS A.
 LARSEN J.
 LARSEN J.
 LARSEN K.
 LARSEN T.
 LARSSON C.
 LARSSON P.
 LARSSON CALLERFELT A.
 LARYSA B.
 LASCARROU J.
 LASHERMES A.
 LASIERRA A.
 LASIERRA MONCLUS A.
 LASKOWSKI U.
 LASKY-SU J.
 LASO DEL HIERRO F.
 LASSEN C.
 LASSEN M.
 LASSEN M.
 LASSENIUS M.
 LASSEUR M.
 LAST R.
 LASTORIA C.
 LASZLO V.
 LATHAM S.
 LATHEEF M.
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 LATIF ESSA A.
 LATIF ESSA A.
 LATIF-ESSA A.
 LATIMER L.
 LATORRE I.
 LATRASSE M.
 LATZIN P.

<u>LAU K.</u>	<u>LE BER C.</u>	<u>LEE H.</u>	<u>LEMARIÉ E.</u>	<u>LEWIS G.</u>	<u>LICAJ I.</u>
<u>LAU L.</u>	<u>LE BRUN M.</u>	<u>LEE H.</u>	<u>LEMAY A.</u>	<u>LEWIS K.</u>	<u>LICARI A.</u>
<u>LAUBHAHN K.</u>	<u>LE FLOCH H.</u>	<u>LEE H.</u>	<u>LEMES CASTELLANO A.</u>	<u>LEWIS K.</u>	<u>LICHT J.</u>
<u>LAUCIRICA D.</u>	<u>LE GOFFIC R.</u>	<u>LEE H.</u>	<u>LEMIERE C.</u>	<u>LEWIS K.</u>	<u>LICHTBLAU M.</u>
<u>LAUDI S.</u>	<u>LE GUILLOU F.</u>	<u>LEE J.</u>	<u>LEMIRE P.</u>	<u>LEWIS L.</u>	<u>LIE A.</u>
<u>LAUDIEN M.</u>	<u>LE HELLO C.</u>	<u>LEE J.</u>	<u>LEMMEL S.</u>	<u>LEWIS R.</u>	<u>LIEB W.</u>
<u>LAUFER J.</u>	<u>LE MAO R.</u>	<u>LEE J.</u>	<u>LEMOUAL N.</u>	<u>LEWIS R.</u>	<u>LIENAU J.</u>
<u>LAUKS S.</u>	<u>LE MÉE A.</u>	<u>LEE J.</u>	<u>LENDERS V.</u>	<u>LEWIS S.</u>	<u>LIENDO MARTÍNEZ K.</u>
<u>LAUNOIS C.</u>	<u>LE MOUAL N.</u>	<u>LEE J.</u>	<u>LENFERINK A.</u>	<u>LEWKO A.</u>	<u>LIENDO MARTÍNEZ K.</u>
<u>LAURENT C.</u>	<u>LE PAVEC J.</u>	<u>LEE J.</u>	<u>LENGA P.</u>	<u>LEWTHWAITE H.</u>	<u>LIENDO MARTINEZ K.</u>
<u>LAURENT G.</u>	<u>LE ROUZIC O.</u>	<u>LEE J.</u>	<u>LENOIR M.</u>	<u>LEX C.</u>	<u>LIETMAN C.</u>
<u>LAURIA G.</u>	<u>LE THI N.</u>	<u>LEE K.</u>	<u>LENTA E.</u>	<u>LEYAH H.</u>	<u>LIEVENS D.</u>
<u>LAURIA V.</u>	<u>LE TURNIER P.</u>	<u>LEE K.</u>	<u>LEONARD C.</u>	<u>LEYNAERT B.</u>	<u>LIEW F.</u>
<u>LAURIKKA J.</u>	<u>LEA S.</u>	<u>LEE K.</u>	<u>LEONARDI A.</u>	<u>LEYRE SERRANO FERNANDEZ L.</u>	<u>LIEW S.</u>
<u>LAURINO L.</u>	<u>LEAHY T.</u>	<u>LEE L.</u>	<u>LEONARDI N.</u>	<u>LEZMI G.</u>	<u>LIIEW† S.</u>
<u>LAURITS T.</u>	<u>LEAKER B.</u>	<u>LEE P.</u>	<u>LEONARDI N.</u>	<u>L'HER P.</u>	<u>LIJSTRO G.</u>
<u>LAURSEN C.</u>	<u>LEAL M.</u>	<u>LEE R.</u>	<u>LEONARDI N.</u>	<u>LHUILLIER M.</u>	<u>LIJNEN L.</u>
<u>LAURSEN C.</u>	<u>LEAL ARRANZ M.</u>	<u>LEE R.</u>	<u>LEONARDI S.</u>	<u>LI A.</u>	<u>LILLOS C.</u>
<u>LAURSEN C.</u>	<u>LEAN M.</u>	<u>LEE S.</u>	<u>LEONCINI F.</u>	<u>LI C.</u>	<u>LIM E.</u>
<u>LAUWERS E.</u>	<u>LEAPER C.</u>	<u>LEE S.</u>	<u>LEONG S.</u>	<u>LI C.</u>	<u>LIM J.</u>
<u>LAUZIER F.</u>	<u>LEATHER D.</u>	<u>LEE S.</u>	<u>LEPEJ D.</u>	<u>LI C.</u>	<u>LIM J.</u>
<u>LAVAUD F.</u>	<u>LEAVY O.</u>	<u>LEE S.</u>	<u>LEPENNEC V.</u>	<u>LI C.</u>	<u>LIM K.</u>
<u>LAVAUT S.</u>	<u>LEBECH A.</u>	<u>LEE S.</u>	<u>LEPETYUKH M.</u>	<u>LI D.</u>	<u>LIM R.</u>
<u>LAVENEZIANA P.</u>	<u>LEBLANC M.</u>	<u>LEE S.</u>	<u>LEPORE G.</u>	<u>LI D.</u>	<u>LIM S.</u>
<u>LAVERGNE F.</u>	<u>LEBORGNE A.</u>	<u>LEE T.</u>	<u>LEPORE R.</u>	<u>LI F.</u>	<u>LIM S.</u>
<u>LAVERTY A.</u>	<u>LEBRUN M.</u>	<u>LEE W.</u>	<u>LEPORINI M.</u>	<u>LI H.</u>	<u>LIM W.</u>
<u>LAVERTY A.</u>	<u>LEBUS J.</u>	<u>LEE Y.</u>	<u>LERANG K.</u>	<u>LI H.</u>	<u>LIM Y.</u>
<u>LAVIGNE N.</u>	<u>LECCA L.</u>	<u>LEE Y.</u>	<u>LERAY S.</u>	<u>LI H.</u>	<u>LIM Y.</u>
<u>LAVIOLETTE M.</u>	<u>LECCI A.</u>	<u>LEE Y.</u>	<u>LERTMEMONGKOLCH AI G.</u>	<u>LI J.</u>	<u>LIM Y.</u>
<u>LAVIS P.</u>	<u>LECCISO G.</u>	<u>LEE Y.</u>	<u>LESAGA LÓPEZ E.</u>	<u>LI J.</u>	<u>LIM YICK HOU A.</u>
<u>LAVIZZARI A.</u>	<u>LECCISOTTI R.</u>	<u>LEE B.</u>	<u>LESAGE F.</u>	<u>LI L.</u>	<u>LIMA B.</u>
<u>LAVOIE K.</u>	<u>LECHARTIER B.</u>	<u>LEEM A.</u>	<u>LESCANO PONCE M.</u>	<u>LI L.</u>	<u>LIMA K.</u>
<u>LAVORINI F.</u>	<u>LECHOWICZ U.</u>	<u>LEEMING D.</u>	<u>LESNIC E.</u>	<u>LI M.</u>	<u>LIMA R.</u>
<u>LAW Z.</u>	<u>LECIEJEWSKA N.</u>	<u>LEEMING D.</u>	<u>LESTAN D.</u>	<u>LI N.</u>	<u>LIMA SOUZA SALDANHA M.</u>
<u>LAWRENCE B.</u>	<u>LECOURS R.</u>	<u>LEENTJENS J.</u>	<u>LESTAN D.</u>	<u>LI N.</u>	<u>LIMBACH M.</u>
<u>LAWRENCE D.</u>	<u>LEDERER D.</u>	<u>LEFÈBVRE P.</u>	<u>LETELLIER A.</u>	<u>LI P.</u>	<u>LIN D.</u>
<u>LAWRENCE P.</u>	<u>LEDERER D.</u>	<u>LEFÈVRE G.</u>	<u>LETH S.</u>	<u>LI Q.</u>	<u>LIN D.</u>
<u>LAWRIE A.</u>	<u>LEDERER D.</u>	<u>LEFÈVRE N.</u>	<u>LETHEM R.</u>	<u>LI Q.</u>	<u>LIN H.</u>
<u>LAWS E.</u>	<u>LEDERMUELLER R.</u>	<u>LEGENDRE M.</u>	<u>LE-THI-MINH H.</u>	<u>LI Q.</u>	<u>LIN H.</u>
<u>LAWSON C.</u>	<u>LEDESMA C.</u>	<u>LEGENNE P.</u>	<u>LETIERCE A.</u>	<u>LI S.</u>	<u>LIN M.</u>
<u>LAWSON R.</u>	<u>LEDESMA RUÍZ C.</u>	<u>LEHALLE C.</u>	<u>LETSIU E.</u>	<u>LI S.</u>	<u>LIN M.</u>
<u>LAWTON E.</u>	<u>LEDESMA-RUÍZ C.</u>	<u>LEHMANN A.</u>	<u>LETTIERI S.</u>	<u>LI T.</u>	<u>LIN M.</u>
<u>LAXE S.</u>	<u>LE-DONG N.</u>	<u>LEHMANN A.</u>	<u>LEUNG A.</u>	<u>LI T.</u>	<u>LIN P.</u>
<u>LAYA S.</u>	<u>LEDOT S.</u>	<u>LEHMANN F.</u>	<u>LEUPPI J.</u>	<u>LI W.</u>	<u>LIN R.</u>
<u>LÁZÁR Z.</u>	<u>LEDOUX S.</u>	<u>LEHMANN I.</u>	<u>LEUPPI J.</u>	<u>LI X.</u>	<u>LIN S.</u>
<u>LAZARATOU A.</u>	<u>LEDOC D.</u>	<u>LEHMANN M.</u>	<u>LEVANTNO G.</u>	<u>LI X.</u>	<u>LIN T.</u>
<u>LAZAREWICZ S.</u>	<u>LEE A.</u>	<u>LEHMANN S.</u>	<u>LEVENGOOD A.</u>	<u>LI X.</u>	<u>LIN X.</u>
<u>LAZARINIS N.</u>	<u>LEE A.</u>	<u>LEHNER P.</u>	<u>LEVI C.</u>	<u>LI X.</u>	<u>LIN Y.</u>
<u>LAZARO E.</u>	<u>LEE B.</u>	<u>LEHOCZKI A.</u>	<u>LEVIN G.</u>	<u>LI Y.</u>	<u>LIN Y.</u>
<u>LÁZARO M.</u>	<u>LEE B.</u>	<u>LEHR L.</u>	<u>LEVIN K.</u>	<u>LI Y.</u>	<u>LINACRE V.</u>
<u>LÁZARO FERREIRA L.</u>	<u>LEE B.</u>	<u>LEHTIMÄKI L.</u>	<u>LEVING M.</u>	<u>LI BASSI G.</u>	<u>LIND L.</u>
<u>LÁZARO MIGUEL-SIN T.</u>	<u>LEE C.</u>	<u>LEI P.</u>	<u>LEVONETS A.</u>	<u>LIADOVA T.</u>	<u>LIND L.</u>
<u>LÁZARO SERRANO M.</u>	<u>LEE C.</u>	<u>LEICK E.</u>	<u>LEVY A.</u>	<u>LIAM C.</u>	<u>LINDBERG A.</u>
<u>LAZARO SIERRA J.</u>	<u>LEE C.</u>	<u>LEIDINGER M.</u>	<u>LEVY D.</u>	<u>LIAM H.</u>	<u>LINDBERG A.</u>
<u>LAZARUS R.</u>	<u>LEE D.</u>	<u>LEIGH M.</u>	<u>LEVY L.</u>	<u>LIAO S.</u>	<u>LINDBERG E.</u>
<u>LAZARUS S.</u>	<u>LEE D.</u>	<u>LEIJS A.</u>	<u>LEVY M.</u>	<u>LIAO W.</u>	<u>LINDBERG S.</u>
<u>LAZIC Z.</u>	<u>LEE E.</u>	<u>LEILA B.</u>	<u>LEW J.</u>	<u>LIAO Y.</u>	<u>LINDBERG S.</u>
<u>LAZO J.</u>	<u>LEE E.</u>	<u>LEITL D.</u>	<u>LEWANDOWSKA A.</u>	<u>LIAPIKOU A.</u>	<u>LINDEGAARD B.</u>
<u>LAZO PRADOS A.</u>	<u>LEE F.</u>	<u>LEJEUNE S.</u>	<u>LEWANDOWSKA K.</u>	<u>LIATSIKOS K.</u>	<u>LINDEN D.</u>
<u>LE H.</u>	<u>LEE G.</u>	<u>LEKSA V.</u>	<u>LELL B.</u>	<u>LIBAKOVA I.</u>	<u>LINDÉN S.</u>
<u>LE T.</u>	<u>LEE G.</u>	<u>LELLOUCHE F.</u>	<u>LEWANDOWSKA K.</u>	<u>LIBERGE R.</u>	<u>LINDER N.</u>
	<u>LEE H.</u>		<u>LEWIS A.</u>	<u>LIBRETTI L.</u>	<u>LINDGREN J.</u>
					<u>LINDH M.</u>

- LÜTHI-CORRIDORI G.
LUTTER R.
LUUKKONEN R.
LUX A.
LUZARDO-GONZÁLEZ A.
LUZÓN ALONSO E.
LUZZI L.
LUZZI V.
LV Q.
LY L.
LY N.
LYBEROPOULOS P.
LYELL P.
LYKKEGAARD J.
LYNCH D.
LYNCH N.
LYNCH P.
LYNCH-WILSON J.
LYNN E.
LYONS A.
LYRONI K.
LYSAK Y.
LYTHGOE C.
LYTTLE M.
LYU J.
LYUDMILA K.
A
Y WA E.
M
M ALI Y.
M ABDULLAH N.
M CONLON T.
M HIGAZI M.
M M ABDULLAH N.
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