



EACTS
European Association For Cardio-Thoracic Surgery

29th EACTS
Annual Meeting
Amsterdam, Netherlands
3–7 October 2015



Final Programme



EACTS
European Association For Cardio-Thoracic Surgery

2015 COURSES

Congenital Heart Disease	27-30 October
Mitral Valve Surgery	9-11 November (Barcelona, Spain)
Surgical Treatment of Lung Failure	16-18 November
Surgical Treatment of Heart Failure	18-20 November
Endoscopic Port-Access Mitral Valve Repair Drylab Training using High-Fidelity Simulators	19-20 November (Maastricht, The Netherlands)
Hospital Leadership: The Human Factor	23-24 November
Chest Wall Diseases	2-4 December
Advanced Course on Anatomic Correction of ccTGA	3-4 December (Sankt Augustin, Germany)
Thoracic Surgery Part II	8-11 December
Endoscopic Port-Access Mitral Valve Repair Drylab Training using High-Fidelity Simulators	17-18 December (Maastricht, The Netherlands)

All courses to take place at EACTS House in Windsor, UK, unless stated otherwise.

Level Plans

Legend

- | | |
|---|--|
|  Entrance |  Toilets |
|  Hall |  Disabled toilets |
|  Lift |  Wardrobe |
|  Pedestrian parking entrance | |

Index

- 4** Auditorium
go to ground floor
- 41** Auditorium Balcony
go to first floor
- 13** Forum
go to ground floor

Foyers

- 8** Europe Foyer 2
go to ground floor

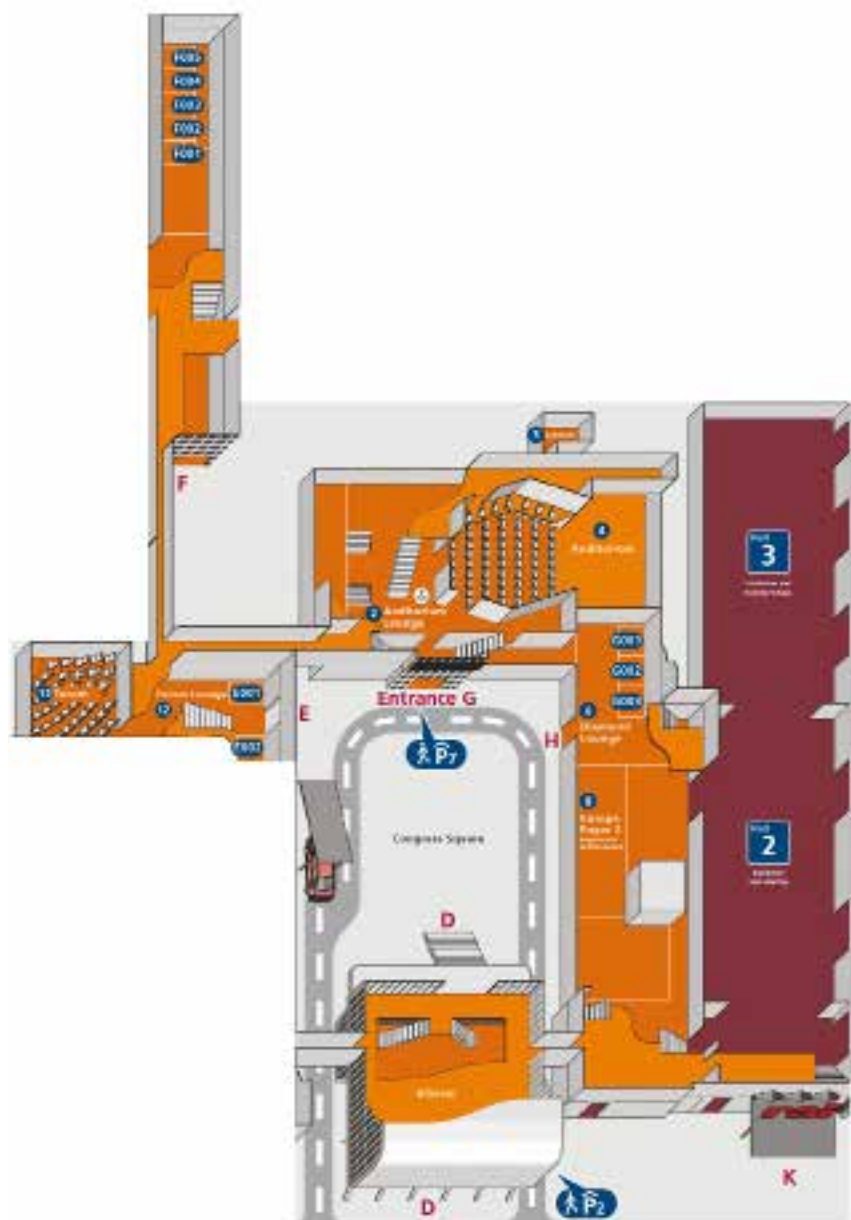
Lounges

- 2** Auditorium Lounge
go to ground floor
- 6** Diamond Lounge
go to ground floor
- 12** Forum Lounge
go to ground floor
- 15** Emerald Lounge
- 17** Upper Lounge
- 18** Topaz Lounge

Rooms

- 3** Art Room
go to ground floor
- 16** Emerald Room
- D301** Rooms D301-D304
on level 3, near entrance D
- D401** Rooms D401-D408
on level 4, near entrance D
- D501** Rooms D501-D508
on level 5, near entrance D
- E001** Rooms E001-E002
on level 0, near entrance E
- E101** Rooms E101-E108
on this level, near entrance E
- F001** Rooms F001-F005
on level 0, near entrance F
- G101** Rooms G101-G111
on this level, near entrance G

Ground Floor Congress Centre



First Floor Congress Centre



Third, Fourth & Fifth Floor Congress Centre



Exhibition Plans	Inside Covers
Programme Overview by Day	14
Council	9
Past Presidents	10
Honorary Members	10
On Site Information	11
Social Programme	12
Acknowledgements	148
Domain of Acquired Cardiac Disease	23
Techno College	23
Professional Challenge, Focus Sessions and Postgraduate Education	26
Scientific Programme, Professional Challenge, Focus and Simulation Sessions	41
Advanced Techniques	87
Domain of Thoracic Disease	93
Techno College	93
Postgraduate Education	95
Scientific Programme, Professional Challenge and Focus Sessions	98
Advanced Techniques	114
Domain of Congenital Heart Disease	115
Techno College	115
Postgraduate Education	117
Scientific Programme, Professional Challenge and Focus Sessions	120
Advanced Techniques	130
Domain of Vascular Disease	131
Postgraduate Education	131
Scientific Programme, Professional Challenge and Focus Sessions	135
Advanced Techniques	146
Industry	148
List of Satellite Meetings	149
Alphabetical List of Exhibitors	151
Exhibitor List 2015	154

All Sessions

Domain Legend: Acquired ■ Thoracic ■ Congenital ■ Vascular ■ Plenary ■ All Domains ■

Time	Session Title	Room	Session Type	Pg
Saturday 3 October 2015				
08:00-10:35	Transcatheter aortic valve implantation/Aortic valve	Auditorium	Techno-College	23
09:00-12:30	Malignant pleural mesothelioma. Session 1: Diagnosis and Surgery	G102+G103	Techno-College	93
11:00-13:40	Heart failure/Aortic disease	Auditorium	Techno-College	24
13:00-16:00	Congenital - 3D Technology	G104+G105	Techno-College	115
13:30-18:00	Malignant pleural mesothelioma. Session 2: Outcome	G102+G103	Techno-College	94
14:30-17:40	Atrioventricular valves	Auditorium	Techno-College	25
16:20-18:00	Congenital - Mechanical support	G104+G105	Techno-College	116
Sunday 4 October 2015				
08:15-11:45	Challenges in mitral valve repair, Auditorium, Professional Challenge	Auditorium	Professional Challenge	26
08:15-11:45	Safer surgery for whom?	G104+G105	Focus Session	27
08:15-15:45	Perfusion	Forum	Postgraduate Education	38
08:15-09:45	Update on hypoplastic left heart syndrome management	G106+G107	Postgraduate Education	117
08:15-09:45	Pneumonectomy controversies: What is the problem?	E104+E105	Postgraduate Education	95
08:15-09:45	Basics in proximal thoracic aortic surgery: Session 1	G102+G103	Postgraduate Education	131
08:15-16:00	Nurse and Nurse Physician Programme	E108	Postgraduate Education	39
10:00-11:45	Challenges in mitral valve repair	Auditorium	Professional Challenge	26
10:15-11:45	Safer surgery for whom?	G104+G105	Focus Session	27
10:15-11:45	Quality improvement	E106+E107	Focus Session	28
10:15-11:45	Transcatheter aortic valve implantation versus surgical aortic valve replacement	E102	Abstract Rapid Response	29
10:15-11:45	Update on Tetralogy of Fallot with pulmonary valve atresia and major aortopulmonary collateral arteries	G106+G107	Postgraduate Education	117
10:15-11:45	Management of oesophageal perforations	E104+E105	Postgraduate Education	95
10:15-11:45	Basic Science - Lung	G109	Focus Session	96
10:15-11:45	Basics in proximal thoracic aortic surgery: Session 2	G102+G103	Postgraduate Education	132
12:00-13:00	CanBetter: optimising training programmes in Cardio-thoracic surgery	Auditorium	Plenary	96
13:15-16:15	Update on the results and rational and design of ongoing clinical trials	Auditorium	Focus Session	31

All Sessions

Domain Legend: Acquired ■ Thoracic ■ Congenital ■ Vascular ■ Plenary ■ All Domains ■

Time	Session Title	Room	Session Type	Pg
Sunday 4 October 2015 continued				
13:45-15:45	Extracorporeal life support devices and strategies for management of acute cardiorespiratory failure	G104+G105	Postgraduate Education	33
13:45-15:15	Aortic valve substitutes: The long term view	E102	Abstract Rapid Response	35
13:45-15:45	Women in cardiac surgery	F003	Focus Session	36
13:45-15:15	Basic Science - Heart	G109	Focus Session	36
13:45-15:15	Quality improvement programme update	F002	Focus Session	34
13:45-14:45	Congenital - meet the experts	G106+G107	Postgraduate Education	118
13:45-15:45	Management of acquired tracheal disorders: from stenosis to laceration	E104+E105	Postgraduate Education	97
13:45-14:45	Outcome and follow up after major thoracic aortic surgery: Session 3	G102+G103	Postgraduate Education	133
14:45-15:45	Thoraco-abdominal aneurysms revisited: Session 4	G102+G103	Postgraduate Education	134
14:45-16:15	Surgical film session	G106+G107	Postgraduate Education	119
Monday 5 October 2015				
08:15-11:45	Wire skills for the surgeon	Auditorium	Professional Challenge	41
08:15-09:45	Heart transplantation in the modern era	Forum	Abstract	42
08:15-09:45	Endocarditis: A continuous dilemma	G104+G105	Abstract	42
08:15-09:45	Risk models in coronary surgery	E104+E105	Abstract	43
08:15-09:45	Reducing invasiveness	E102	Abstract Rapid Response	44
08:15-09:45	A lifetime living with transposition of the great arteries - Part I	G106+G107	Professional Challenge	120
08:15-09:45	Thoracic oncology I: Staging	E103	Abstract	98
08:15-09:45	Non oncology I	E108	Abstract	99
08:15-09:45	Arch involvement in acute aortic dissection: A surgical challenge EACTS/STS	G102+G103	Professional Challenge	135
08:15-09:45	Work in progress	Emerald Room	Abstract	45
08:15-09:45	Endoscopic port access mitral valve repair	F004	Simulation Session	46
10:15-11:45	Wire skills for the surgeon	Auditorium	Professional Challenge	41
10:15-11:45	Left ventricle - strategies in left ventricular moderations	Forum	Abstract	46
10:15-11:45	Aortic valve replacement: What is new?	G104+G105	Abstract	47
10:15-11:45	Cardiac general	E104+E105	Abstract	48

All Sessions

Domain Legend: Acquired ■ Thoracic ■ Congenital ■ Vascular ■ Plenary ■ All Domains ■

Time	Session Title	Room	Session Type	Pg
Monday 5 October 2015 continued				
10:15-11:45	Avoiding disasters in cardiac surgery	E106+E107	Focus Session	49
10:15-11:45	Supporting the heart and lung	E102	Abstract Rapid Response	49
10:15-11:45	Basic science 1	G109	Abstract	50
10:15-11:45	A lifetime living with transposition of the great arteries and left ventricular outflow tract obstruction - Part II	G106+G107	Professional Challenge	121
10:15-11:45	Thoracic oncology II: Perioperative management	E103	Abstract	100
10:15-11:45	Minimally invasive surgery for lung cancer: Up to date	E108	Focus Session	101
10:15-11:45	Uncertainties in the treatment of chronic dissection EACTS/STS	G102+G103	Professional Challenge	136
10:15-11:45	Meet the experts	Emerald Room	Focus Session	52
10:15-11:45	All you need to know for your next research project	F003	Training in Research	51
10:15-11:45	EACTS cardio-thoracic masters - Jeopardy	F002	Residents' Session	52
10:15-11:45	Endoscopic port access mitral valve repair	F004	Simulation Session	53
11:50-12:30	Presidential Address	Auditorium	Plenary	101
12:45-14:00	Cardiothoracic Surgery Residents - where do we come from and where are we heading	F002	Residents' Session	53
14:15-15:45	Coronary artery bypass graft is on the rise, don't give it up	Auditorium	Focus Session	54
14:15-15:45	Future of sutureless valves	Forum	Abstract	54
14:15-15:45	Challenges in surgical aortic valve replacement	G104+G105	Abstract	55
14:15-15:45	Transcatheter aortic valve implantation: Current and future perspectives	E104+E105	Focus Session	56
14:15-15:45	Infectious problems	E106+E107	Focus Session	57
14:15-15:45	Basic science 2	F002	Abstract	57
14:15-15:45	Joint Session EACTS SBCCV PASCATS - cardio-thoracic surgery	G109	Focus Session	58
14:15-15:45	Congenital	E102	Abstract Rapid Response	122
14:15-15:45	Meet the experts in robotic cardio-thoracic surgery	E103	Focus Session	102
14:15-15:45	Mediastinum	E108	Abstract	102
14:15-15:45	A broad view on acute dissection	G102+G103	Abstract	138
14:15-15:45	Pro and cons debates	Emerald Room	Focus Session	58

All Sessions

Domain Legend: Acquired ■ Thoracic ■ Congenital ■ Vascular ■ Plenary ■ All Domains ■

Time	Session Title	Room	Session Type	Pg
Monday 5 October 2015 continued				
14:15-15:45	All you need to know for your next research project - part II	F003	Training in Research	59
14:15-15:45	Endoscopic port access mitral valve repair	F004	Simulation Session	81
16:00-17:30	The two faces of arterial revascularisation	Auditorium	Abstract	60
16:00-17:30	Transcatheter mitral valve replacement: New valves and experiences	G104+G105	Focus Session	60
16:00-17:30	Fast-Track management	E104+E105	Focus Session	61
16:00-17:30	Results of Ross procedures and homografts in aortic surgery	E106+E107	Abstract	62
16:00-17:30	Joint Session EACTS SBCCV PASCATS - Cardiac surgery in the emerging economies: The evolving management strategies	G109	Focus Session	63
16:00-17:30	Fontan circulation	G106+G107	Abstract	123
16:00-17:30	TNM classification: 8th edition	E103	Focus Session	104
16:00-17:30	Thoracic rapid response session	E102	Abstract Rapid Response	104
16:00-17:30	A 4D view of the aortic root	G102+G103	Abstract	139
16:00-17:30	Live-heart-team of complex pathologies	Emerald Room	Focus Session	63
16:00-17:30	How to statistically analyse your next research project	F003	Training in Research	64
16:00-17:30	Endoscopic port access mitral valve repair	F004	Simulation Session	81
18:00-18:30	General Assembly	G102+G103	Members only	18
Tuesday 6 October 2015				
08:15-11:45	Less invasive procedures for complex patients	Auditorium	Professional Challenge	65
08:15-09:45	Current challenges for extracorporeal life support	Forum	Abstract	66
08:15-09:45	Native and prosthetic valve endocarditis: An update	G104+G105	Abstract	67
08:15-09:45	Aortic valve disease and heart failure: How do they connect?	E104+E105	Focus Session	67
08:15-09:45	Revisiting the tricuspid valve	E106+E107	Abstract	68
08:15-09:45	How to perform an effective surgical atrial fibrillation ablation	E102	Abstract Rapid Response	69
08:15-09:45	Tetralogy of Fallot	G106+G107	Abstract	125
08:15-09:45	Paediatric and congenital cardiac activities in emerging economies	F002	Focus Session	125
08:15-09:45	Thoracic oncology III: Postoperative follow up	E103	Abstract	106
08:15-09:45	Thoracic non oncology II	E108	Abstract	107

All Sessions

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Time	Session Title	Room	Session Type	Pg
Tuesday 6 October 2015 continued				
08:15-09:45	Inflammatory and infectious aortic disease: A difficult environment	G102+G103	Focus Session	141
08:15-09:45	A summary of essentials for your next research project	F003	Training in Research	70
08:15-09:45	Endoscopic port access mitral valve repair	F004	Simulation Session	46
10:15-11:45	Less invasive procedures for complex patients	Auditorium	Professional Challenge	65
10:15-11:45	Is minimally invasive cardiac surgery the present and the future of mitral valve repair?	G104+G105	Focus Session	71
10:15-11:45	Perioperative complications in cardiac surgery	E104+E105	Focus Session	72
10:15-11:45	Functional mitral regurgitation	E106+E107	Abstract	73
10:15-11:45	Valve surgery	G106+G107	Abstract	126
10:15-11:45	Session case report	E103	Abstract	108
10:15-11:45	Lung transplantation	E108	Abstract	108
10:15-11:45	Innovation and new strategies in thoracic aortic surgery	E102	Abstract Rapid Response	142
10:15-11:45	Clinical studies	F003	Training in Research	74
10:15-11:45	Nightmares in cardiothoracic surgery	Emerald Room	Focus Session	75
10:15-11:45	Endoscopic port access mitral valve repair	F004	Simulation Session	75
11:50-12:20	Honoured Guest Lecture	Auditorium	Plenary	75
12:25-12:35	EACTS Award Presentations	Auditorium	Plenary	75
12:35-12:40	Presidential Inauguration	Auditorium	Plenary	76
12:45-14:00	Residents' Luncheon	Café Amsterdam	Plenary	
14:15-15:45	Optimising outcomes in coronary surgery	G104+G105	Abstract	76
14:15-15:45	Left ventricular assist device: Latest advances	E104+E105	Abstract	77
14:15-15:45	Degenerative mitral regurgitation	E106+E107	Abstract	77
14:15-15:45	Cardiac general	E102	Abstract Rapid Response	78
14:15-15:45	Pilots and passengers after cardiac surgery: So you want to fly again?	F002	Focus Session	79
14:15-15:45	Challenging the options for younger patients - Minimising long-term risks with biological valves along the patient journey	Forum	Focus Session	80
14:15-15:45	Infections and chylothorax	G106+G107	Focus Session	127
14:15-15:45	Guidelines	E103	Focus Session	110
14:15-15:45	Basic science and education	E108	Abstract	110
14:15-15:45	Arch repair	G102+G103	Focus Session	143

All Sessions

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Time	Session Title	Room	Session Type	Pg
Tuesday 6 October 2015 continued				
14:15-15:45	Preoperative planning, simulation, 3D printing and intra-operative navigation in cardiothoracic surgery	Emerald Room	Focus Session	81
14:15-15:45	Endoscopic port access mitral valve repair	F004	Simulation Session	81
16:00-17:30	What is new in transcatheter aortic valve implantation	Auditorium	Abstract	81
16:00-17:30	Case reports & videos	G104+G105	Abstract	83
16:00-17:30	Better outcomes through optimising international normalised ratio management and anticoagulation in aortic valve replacement	E104+E105	Focus Session	84
16:00-17:30	New technology in mitral surgery	E102	Abstract Rapid Response	84
16:00-17:30	A contemporary approach to the aortic valve and aortic root	E106+E107	Focus Session	85
16:00-17:45	Aortic valve replacement: Ever had any problems?	Forum	Focus Session	82
16:00-17:30	Congenital miscellaneous	G106+G107	Abstract	128
16:00-17:30	Sublobar resections: Controversies	E103	Focus Session	112
16:00-17:30	Chest wall	E108	Abstract	112
16:00-17:30	Endoscopic port access mitral valve repair	F004	Simulation Session	86
Wednesday 7 October 2015				
09:00-12:30	Advance technique session on multiple arterial grafting	G106+G107	Advanced Techniques	90
09:00-12:30	A future without suture	G104+G105	Advanced Techniques	87
09:00-12:00	Controversies and catastrophes in adult cardiac surgery	G102+G103	Advanced Techniques	88
09:00-12:30	How to do it? With live in a box	Emerald Room	Advanced Techniques	91
09:00-10:30	Video session	G109	Advanced Techniques	114
09:00-10:30	Learn from the experts how to do a remodelling or a re-implantation procedure	E106+E107	Wetlab	92
09:00-12:00	Mitral Valve Repair	E104+E105	Wetlab	91
09:00-12:30	AoV reconstruction and Senning	E102	Wetlab	130
09:00-10:30	VATS lobectomy	E103	Wetlab	114
10:30-12:00	Learn from the experts how to do a remodelling or a re-implantation procedure	E106+E107	Wetlab	92

Council

President	Martin Grabenwöger, Vienna, Austria
Vice President	Friedrich W. Mohr, Leipzig, Germany
Secretary General	A. Pieter Kappetein, Rotterdam, The Netherlands
Treasurer	Ralph A. Schmid, Berne, Switzerland
Editor in Chief	Friedhelm Beyersdorf, Freiburg, Germany
Immediate Past President	Paul Van Schil, Edegem (Antwerp), Belgium

Domain Chairs:

Domain of Acquired Cardiac Disease	Volkmar Falk, Berlin, Germany
Domain of Thoracic Disease	Franca Melfi, Pisa, Italy
Domain of Congenital Heart Disease	Viktor Hraska, Sankt Augustin, Germany
Domain of Vascular Disease	Ruggero De Paulis, Rome, Italy

Councillors

Robert J.M. Klautz, Leiden, The Netherlands
Domenico Pagano, Birmingham, UK
Joerg Seeburger, Leipzig, Germany
Chuen Neng Lee, Singapore
Douglas Mathisen, Boston, USA

Executive Secretariat

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Past Presidents

1987	Vienna	Francis Fontan
1988	Bordeaux	Keyvan Moghissi
1989	Munich	Fritz Sebening
1990	Naples	Hans Huysmans
1991	London	Maurizio Cotrufo
1992	Geneva	Ramiro Rivera
1993	Barcelona	Jaroslav Stark
1994	The Hague	Armand Piwnica
1995	Paris	Hans Borst
1996	Prague	Antoon Lerut
1997	Copenhagen	Ernst Wolner
1998	Brussels	Eugène Baudet
1999	Glasgow	David Wheatley
2000	Frankfurt	Joachim Hasse
2001	Lisbon	Marcos Murtra
2002	Monaco	Marko Turina
2003	Vienna	Walter Klepetko
2004	Leipzig	James Monro
2005	Barcelona	Torkel Åberg
2006	Stockholm	Tom Treasure
2007	Geneva	Siegfried Hagl
2008	Lisbon	Paul Sergeant
2009	Vienna	Erino Rendina
2010	Geneva	Pascal R. Vouhé
2011	Lisbon	Ottavio R. Alfieri
2012	Barcelona	Ludwig K. von Segesser
2013	Vienna	Jose Luis Pomar
2014	Milan	Paul Van Schil

Honorary Members

Robert H. Anderson, London, UK	Bruce E. Keogh, London, UK
John R. Benfield, Los Angeles, USA	B. Loeys, Edegen, Antwerp, Belgium
Eugene H. Blackstone, Cleveland, USA	D. Craig Miller, Stanford, USA
Aldo Castaneda, Guatemala City, Guatemala	G. Alexander Patterson, St Louis, USA
Denton A. Cooley, Houston, USA	F. Griffith Pearson, Ontario, Canada
Tirone David, Toronto, Canada	Gaetano Thiene, Padua, Italy
Francis Fontan, Bordeaux, France	Stephen Spiro, London, UK
Valentín Fuster, Madrid, Spain	Marko Turina, Zurich, Switzerland
Peter Greene, Baltimore USA	William Williams, Toronto, Canada
Vincent L. Gott, Baltimore, USA	Patrick Wouters, Genk, Belgium

Admission Badges

For organisation and security reasons, name badges must be worn at all times at the congress venue. Changes to name badges on-site will be charged at €25. A fee of €100 will be charged for the replacement of lost badges.

Award Ceremony

Presentation of annual meeting prizes will take place in the Auditorium on Tuesday 6 October at 12:25

Breaks (Lunch and Refreshments)

Saturday 3 October

Techno College. Lunch and refreshment breaks are included in the delegate fee and will be available in the meeting room foyers.

Sunday 4 October – Wednesday 7 October

Refreshment breaks (coffee and tea) are included in the in the registration fee. Lunch is not included. There will be cash catering points available where delegates may purchase food and drinks.

Sunday 4:

Refreshment breaks 09:45–10:15. Lunch 13:00–13:45 – Foyer areas.

Monday 5 and Tuesday 6:

Refreshment break 09:45–10:15 and 15:45–16:00. Lunch 12:45–14:15 – Exhibition Halls

Wednesday 7:

Refreshment break 10:00–10:30 depending on programmes – Foyer areas

Certificates of Attendance

Certificates of attendance are available from the registration desks or alternatively via the EACTS user area.

City Information

Visit www.iamsterdam.com/en for information on Amsterdam.

CME Credit Allowance

The Annual Meeting has been granted 27 European CME credits (ECMEC) by the European Accreditation Council for Continuing Medical Education (EACCME). CME certificates will be available from the registration desks.

Disclaimer

The European Association for Cardio-Thoracic Surgery (EACTS) cannot accept any liability for death, injury or any loss, cost or expense suffered or incurred by any person if such loss is caused or results from the act, default or omission of any person other than an employee or agent of EACTS. In particular, EACTS cannot accept any liability for losses arising from the provision or non-provision of services provided by hotel companies or transport operators.

Nor can EACTS accept liability for losses suffered by reason of war including threat of war, riot and civil strife, terrorist activity, natural disaster, weather, flood, drought, technical, mechanical or electrical breakdown within any premises visited by delegates and/or partners in connection with the Annual Meeting, industrial disputes, governmental action, regulation or technical problems which may affect the services provide in connection with the Annual Meeting. EACTS is not able to give any warranty that a particular person will appear as a speaker or panel list.

Disclosures

Conflict of Interest statements are available at: www.eacts.org

First Aid

Should you require first aid assistance, please contact the registration desk or any uniformed member of the meeting staff.

Hotel Information

Amsterdam RAI Hotel & Travel Service is the official housing agency appointed by EACTS as the exclusive agency to manage hotel accommodation for the 29th EACTS Annual Meeting.

RAI Hotel & Travel Service
P.O. Box 7777, NL – 1070 MS
Amsterdam, The Netherlands.
Tel: +31 20 549 19 27

Warning: *There are an increasing number of fraudulent websites that impersonate EACTS and the Annual Meeting. We would like to alert all our members and delegates to be aware of possible scams and to strongly advise them to only use the official EACTS housing agency for their accommodation bookings.*

Insurance and Liability

Participants are encouraged to make their own arrangements in respect of health and travel insurance. Neither EACTS nor any of its appointed agencies can be held responsible for any personal injury, loss, damage, accident to private property or additional expense incurred as a result of delays or changes in air, rail, sea, road or other services, strikes,

Language

The official language of the Annual Meeting is English.

Mobile Phones

Please do not forget to turn your mobile phones to silent mode during sessions

No Smoking

Smoking is strictly prohibited in all meeting, catering and foyer areas AT ALL TIMES.

Opening Hours

Scientific programme

Saturday 3	08:00–18:00
Sunday 4	08:30–16:30
Monday 5	08:15–17:30
Tuesday 6	08:15–17:30
Wednesday 7	09:00–12:00

Photographs and video recording

The use of any photographic or recording device during the scientific sessions is strictly prohibited. This includes, but is not limited to, mobile telephones, digital and still cameras, video and/or audio recording devices.

Registration

Registration desks will be located in the Europe 2 Foyer and will be open as follows:

Friday 2	14:00–18:00
Saturday 3	07:00–19:00
Sunday 4	07:00–19:00
Monday 5	08:00–17:00
Tuesday 6	08:00–17:00
Wednesday 7	08:00–12:00

To avoid unnecessary delay, you are strongly recommended to register and collect meeting documentation on Friday 2 and Saturday 3 October if possible.

Delegates who have registered prior to the event should report to the E-badge area where they will be able to print out their badge and other relevant documentation.

For information on fees please refer to: www.eacts.org/annual-meeting/registration

Residents' Lunch

The Residents' Lunch, which is open to all Residents will be held on Tuesday 6 October 2015, in the Café Amsterdam. Pre-booking is essential via the registration desks and is subject to availability.

Social Events

Welcome Reception

A welcome reception will be held in the exhibition halls on Sunday 4 October from 17:00 to 18:30.

All registered delegates and exhibition visitors are welcome to attend.

Celebratory Evening

This year we will be hosting a Celebratory Evening at Het Scheepvaartmuseum (Maritime Museum)

www.hetscheepvaartmuseum.nl on Tuesday 6 October, 19.30–24.00.

Admission is by tickets only and must be purchased in advance. Price €90 per person and subject to availability.

Technical Exhibition

The Exhibition will take place in Halls 2 and 3 as follows:

Sunday 4	15:00–19:00
Monday 5	09:00–17:00
Tuesday 6	09:00–17:00

Training Village

The following organisations will be running hands-on sessions within the Training Village in Exhibition Hall 3:

Edwards Lifesciences SA

Johnson & Johnson Medical SpA

Maquet

Medtronic International Trading Sàrl

Sorin Group Italia SRL

St Jude Medical

For further information regarding these, please contact the relevant organisations.

Transportation in Amsterdam

Visit www.iamsterdam.com/en/visiting/plan-your-trip/getting-around for information on getting around in Amsterdam.

Venue

RAI Amsterdam (Entrance G),

Europaplein 22, NL 1078 GZ,

Amsterdam, the Netherlands.

Website: www.rai.nl

Getting there

The venue has excellent connections with the city centre via the underground system. The subway/railway Amsterdam RAI station is located a few steps from the main entrance. The subway reaches the venue grounds in approximately 15 minutes from Amsterdam Centraal Station.

The Amsterdam RAI stop also offers a direct train to Schiphol airport.

Metro: 51 (travelling time: 12 minutes, exit at the Amsterdam RAI station) or tram 4 (travelling time: 30 minutes, exit at the RAI Europaplein).

Bus Route: 15, 69 or 169, which will bring you to the RAI within 10 minutes (RAI Europaplein).

NO SMOKING POLICY

Smoking is strictly prohibited in all meeting, catering and foyer areas **AT ALL TIMES.**

Saturday 3 October 2015 – Techno College

Auditorium		Forum		G104+G105
08:00-10:35 Transcatheter aortic valve implantation/Aortic valve *		09:00-12:30 Malignant pleural mesothelioma. Session 1: Diagnosis and Surgery		
11:00-13:40 Heart failure/Aortic disease*	09:00-17:30 15th European Conference on Perfusion Education and Training Strategies in Adult & Pediatric Perfusion			13:00-16:00 3D Technology*
14:30-17:40 Atrioventricular valves*		13:30-18:00 Malignant pleural mesothelioma. Session 2: Outcome		16:20-18:00 Mechanical support*

* detailed times shown in Final Programme and on the APP

Acquired Cardiac Disease
 Thoracic Disease
 Congenital Disease
 Vascular Disease
 All Domains

Sunday 4 October 2015 - Postgraduate Education

Auditorium	Forum	G102+G103	G104+G105	G106+G107	G109	E102	E104+E105	E106+E107	E108	F002	F003
08:15 - 09:45 Challenges in mitral valve repair	08:15 - 09:45 Perfusion Postgraduate Programme	08:15 - 09:45 Basics in proximal thoracic aortic surgery; Session 1	08:15 - 09:45 Safer surgery for whom?	08:15 - 09:45 Update on hypoplastic left heart syndrome management			08:15 - 09:45 Pneumo-rectomy controversies: What is the problem?		08:15 - 09:45 Nurse and Physician Postgraduate Programme		
09:45 - 10:15 Break											
10:15 - 11:45 Challenges in mitral valve repair	10:15 - 11:45 Perfusion Postgraduate Programme	10:15 - 11:45 Basics in proximal thoracic aortic surgery; Session 2	10:15 - 11:45 Safer surgery for whom?	10:15 - 11:45 Update on Tetralogy of Fallot with pulmonary valve atresia and major aortopulmonary collateral arteries	10:15 - 11:45 Basic Science - Lung	10:15 - 11:45 Transcatheter aortic valve implantation versus surgical aortic valve replacement	10:15 - 11:45 Management of oesophageal perforations	10:15 - 11:45 Quality improvement	10:15 - 13:00 Nurse and Physician Postgraduate Programme		10:15 - 12:45 Women in cardiac surgery

12:00 - 13:00 CanBetter: Optimising training programmes in Cardio-thoracic surgery

* detailed times shown in Final Programme and on the APP

Acquired Cardiac Disease
 Thoracic Disease
 Congenital Disease
 Vascular Disease
 All Domains

Sunday 4 October 2015 - Postgraduate Education

Auditorium	Forum	G102+G103	G104+G105	G106+G107	G109	E102	E108	E104+E105	F002	F003
13:00 - 13:45 Break										
13:45 - 16:15 Update on the results and rational design of ongoing clinical trials*	13:45 - 15:15 Perfusion Postgraduate Programme	13:45 - 14:45 Outcome and follow up after major thoracic aortic surgery: Session 3	13:00 - 15:45 Extracorporeal life support devices and strategies for management of acute cardiorespiratory failure	13:45 - 14:45 Congenital - meet the experts	13:45 - 15:15 Basic Science - Heart	13:45 - 15:15 Aortic valve substitutes: The long term view	13:45 - 16:00 Nurse and Nurse Physician Postgraduate Programme	13:45 - 15:45 Management of acquired tracheal disorders: from stenosis to laceration	13:45 - 15:15 Quality improvement programme update	13:45 - 15:45 Women in cardiac surgery
		14:45 - 15:45 Thoraco-abdominal aneurysms revisited: Session 4		14:45 - 16:15 Surgical film session						

15:00 - 19:00 Exhibition opens

Acquired Cardiac Disease
 Thoracic Disease
 Congenital Disease
 Vascular Disease
 All Domains

Monday 5 October 2015 - Scientific Programme, Professional Challenges and Focus Sessions

Auditorium	Emerald Room	Forum	G102+G103	G104+G105	G106+G107	G109	E102	E103	E104+E105	E106+E107	E108	F002	F003	F004
08:15-09:45 Wire skills for the surgeon	08:15-09:45 Work in progress	08:15-09:45 Heart transplantation in the modern era	08:15-09:45 Arch involvement in acute aortic dissection: A surgical challenge EACTS/STS	08:15-09:45 Endocarditis: A continuous dilemma	08:15-09:45 Alltime living with transposition of the great arteries - Part I	08:15-09:45 Reducing invasiveness	08:15-09:45 Thoracic oncology I: Staging	08:15-09:45 Risk models in coronary surgery	08:15-09:45 Non oncology I					08:15-09:45 Endoscopic port access mitral valve repair
09:45 - 10:15 Break														
10:15-11:45 Wire skills for the surgeon	10:15-11:45 Meet the experts	10:15-11:45 Left ventricle - strategies in left ventricular moderations	10:15-11:45 Uncertainties in the treatment of chronic dissection EACTS/STS	10:15-11:45 Aortic valve replacement: What is new?	10:15-11:45 Alltime living with transposition of the great arteries and left ventricular outflow tract obstruction - Part II	10:15-11:45 Basic science 1	10:15-11:45 Supporting the heart and lung	10:15-11:45 Thoracic oncology II: Perioperative management	10:15-11:45 Cardiac general	10:15-11:45 Avoiding disasters in cardiac surgery	10:15-11:45 Minimally invasive surgery for lung cancer: Up to date	10:15-11:45 EACTS cardio-thoracic masters - Jeopardy	10:15-11:45 All you need to know for your next research project	10:15-11:45 Endoscopic port access mitral valve repair

11:50-12:30 Presidential Address - Auditorium

12:45 - 14:00 Lunch, Visit Exhibition, Satellite Sessions

12:45-14:00 Cardiac Surgery Residents - where do we come from and where are we heading - F002



Monday 5 October 2015 - Scientific Programme, Professional Challenges and Focus Sessions

Auditorium	Emerald Room	Forum	G102+G103	G104+G105	G106+G107	G109	E102	E103	E104+E105	E106+E107	E108	F002	F003	F004
14:15-15:45 Coronary artery bypass graft is on the rise, don't give it up	14:15-15:45 Pro and cons debates	14:15-15:45 Future of sutureless valves	14:15-15:45 A broad view on acute dissection	14:15-15:45 Challenges in surgical aortic valve replacement	14:15-15:45 Joint Session EACTS SBCCV PASCATS - cardio-thoracic surgery	14:15-15:45 Congenital Rapid Response	14:15-15:45 Meet the experts in robotic cardio-thoracic surgery	14:15-15:45 Transcatheter aortic valve implantation: Current and future perspectives	14:15-15:45 Infectious problems	14:15-15:45 Mediastinum	14:15-15:45 Basic science 2	14:15-15:45 All you need to know for your next research project - part II	14:15-15:45 Endoscopic port access mitral valve repair	
15:45-16:00 Break														
16:00-17:30 The two faces of arterial revascularisation	16:00-17:30 Live-heart-team of complex pathologies	16:00-17:30 Future of sutureless valves	16:00-17:30 A 4D view of the aortic root	16:00-17:30 Transcatheter mitral valve replacement: New valves and experiences	16:00-17:30 Fontan circulation	16:00-17:30 Joint Session EACTS SBCCV PASCATS - Cardiac surgery in the emerging economies. The evolving management strategies	16:00-17:30 Thoracic rapid response session	16:00-17:30 TNM classification: 8th edition	16:00-17:30 Fast-track management	16:00-17:30 Results of Ross procedures and homografts in aortic surgery	16:00-17:30 How to statistically analyse your next research project	16:00-17:30 Endoscopic port access mitral valve repair		

18:00-18:30 EACTS General Assembly

Acquired Cardiac Disease
 Thoracic Disease
 Congenital Disease
 Vascular Disease
 All Domains

Tuesday 6 October 2015 - Scientific Programme, Professional Challenges and Focus Sessions

Auditorium	Emerald Room	Forum	G102+G103	G104+G105	G106+G107	E102	E103	E104+E105	E106+E107	E108	F002	F003	F004
08:15-09:45 Less invasive procedures for complex patients.	08:15-09:45 Current challenges for extracorporeal life support	08:15-09:45 Inflammatory and infectious aortic disease: A difficult environment	08:15-09:45 Native and prosthetic valve endocarditis: An update	08:15-09:45 Tetralogy of Fallot	08:15-09:45 How to perform an effective surgical atrial fibrillation ablation	08:15-09:45 Thoracic oncology III: Postoperative follow up	08:15-09:45 Aortic valve disease and heart failure: How do they connect?	08:15-09:45 Revisiting the tricuspid valve	08:15-09:45 Thoracic non oncology II	08:15-09:45 Paediatric and congenital cardiac activities in emerging economies	08:15-09:45 A summary of essentials for your next research project	08:15-09:45 Endoscopic port access mitral valve repair	
09:45 - 10:15 Break													
10:15-11:45 Less invasive procedures for complex patients	10:15-11:45 Nightmares in cardiothoracic surgery	10:15-11:45 Acute extracorporeal support and mechanical circulatory assist	10:15-11:45 Is minimally invasive cardiac surgery the present and the future of mitral valve repair?	10:15-11:45 Valve surgery	10:15-11:45 Innovation and new strategies in thoracic aortic surgery	10:15-11:45 Session case report	10:15-11:45 Perioperative complications in cardiac surgery	10:15-11:45 Functional mitral regurgitation	10:15-11:45 Lung transplantation	10:15-11:45 Clinical studies	10:15-11:45 Endoscopic port access mitral valve repair		
11:50 - 12:20 Honoured Guest Lecture - Auditorium													
12:25-12:35 EACTS Award Presentations													
12:35-12:40 Presidential Inauguration													
12:45-14:00 Residents' Luncheon, Café Amsterdam													
12:45-14:00 Lunch, Visit Exhibition, Satellite Sessions													



Tuesday 6 October 2015 - Scientific Programme, Professional Challenges and Focus Sessions

Auditorium	Emerald Room	Forum	G102+G103	G104+G105	G106+G107	E102	E103	E104+E105	E106+E107	E108	F002	F004
14:15-15:45 Live transcatheter aortic valve replacement	14:15-15:45 Preoperative planning, simulation, 3D printing and intra-operative navigation in cardiothoracic surgery	14:15-15:45 Challenging the options for younger patients - Minimising long-term risks with biological valves along the patient journey	14:15-15:45 Arch repair	14:15-15:45 Optimising outcomes in coronary surgery	14:15-15:45 Infections and chylothorax	14:15-15:45 Cardiac general	14:15-15:45 Guidelines	14:15-15:45 Left ventricular assist device: Latest advances	14:15-15:45 Degenerative mitral regurgitation	14:15-15:45 Basic science and education	14:15-15:45 Pilots and passengers after cardiac surgery: So you want to fly again?	14:15-15:45 Endoscopic port access mitral valve repair
15:45 - 16:00 Break												
16:00-17:30 What is new in transcatheter aortic valve implantation		16:00-17:45 Aortic valve replacement: Ever had any problems?	16:00-17:30 Congenital miscellaneous	16:00-17:30 Case reports & videos	16:00-17:30 New technology in mitral surgery	16:00-17:30 Sublobar resections: Controversies	16:00-17:30 Beiter outcomes through optimising international normalised ratio management and anticoagulation in aortic valve replacement	16:00-17:30 A contemporary approach to the aortic valve and aortic root	16:00-17:30 Chest wall	16:00-17:30 Endoscopic port access mitral valve repair		

Acquired Cardiac Disease
 Thoracic Disease
 Congenital Disease
 Vascular Disease
 All Domains

Wednesday 7 October 2015 - Advanced Techniques

Emerald Room	G102+G103	G104+G105	G106+G107	G109	E102	E103	E104+E105	E106+E107
09:00 - 12:30* How to do it: With live-in-a-box	09:00 - 12:00* Controversies and catastrophes in adult cardiac surgery	09:00 - 12:30* A future without suture	09:00 - 12:30* Advance technique session on multiple arterial grafting	09:00 - 10:30* Video session	09:00 - 12:30* AoV reconstruction and Senning	09:00 - 10:30* VATS lobectomy	09:00 - 12:00* Mitral Valve Repair	09:00 - 12:00* Learn from the experts how to do a remodelling or a re-implantation procedure

* detailed times shown in Final Programme and on the APP

Acquired Cardiac Disease
 Thoracic Disease
 Congenital Disease
 Vascular Disease
 All Domains

Raising Standards through Education and Training

Acquired Cardiac Disease Domain Programme

Acquired

Chair:

Volkmar Falk, Berlin, Germany
Michele De Bonis, Milan, Italy
Christoph Huber, Berne, Switzerland
Jolanda Kluin, Amsterdam, The Netherlands
Thomas Modine, Lille, France
J. Rafael Sadaba, Pamplona, Spain
Matthias Siepe, Freiburg, Germany
Rashmi Yadav, London, UK
Raiili Ermel, Tartu, Estonia

08:00-10:30 Techno College

Auditorium

Transcatheter aortic valve implantation/Aortic valve

Moderators: G. Dahle, Oslo; C. Huber, Berne; H. Treede, Halle; T. Walther, Bad Nauheim

Welcome

M. Grabenwöger, Vienna; T. Walther, Bad Nauheim

Valve in valve – different clinical experiences

V. Bapat, London

Live presentation imaging/assessment

W. Kim, Bad Nauheim; H Schrofel, Freiburg

Video guided sutureless aortic valve replacement

L. Salvador, Vicenza

Direct aortic transcatheter aortic valve implantation and multivessel off-pump coronary artery bypass graft

H. Bushnaq, Halle

Transcatheter aortic valve implantation

M. Angioi; T. Folliguet, Vandoeuvre les Nancy

Minimally invasive direct coronary artery bypass plus transapical transcatheter aortic valve implantation

H. Treede, Halle

Direct video assessment after aortic valve repair prior to crossclamp release

K. Tsagakis, Essen

Transcervical transcatheter aortic valve implantation

O. Dapunt, Oldenburg

Automatic pre-closure system for transapical access

A. Cheung, Vancouver

Live surgery

Direct aortic access transcatheter aortic valve implantation with recapturable valve

T. Modine, Lille

Transapical low profile procedure

D. Holzhey, Leipzig

Heart failure/aortic disease

Moderators: M. Di Eusanio, Teramo; V. Falk, Berlin; G. Gerosa, Padua; M. Shrestha, Hannover

New Technology Award Presentation

B. Rylski, Freiburg

Totally thoracoscopic left atrial appendage exclusion – stand alone and concomitant to hybrid ablation

P. Suwalski; S. Stec, Warsaw

Frozen elephant trunk in Type A dissection

M. Grabenwöger, Vienna; M. Shrestha, Hannover

Simplified David procedure

T. Modine, Lille

New left ventricular assist device implantation **3D** 

I. Netuka, Prague

New left ventricular assist device implantation **3D** 


J. Schmitto, Hannover

Hybrid 2-stage repair of thoracoabdominal aneurysm


R. Di Bartolomeo, Bologna

Tissue engineered valves (ARISE Study)

J. L. Pomar, Barcelona

Hybrid case of sutureless aortic valve replacement and percutaneous coronary intervention **3D** 

A. Miceli, Milan


Video assisted endoscopic ablation and left atrial appendage closure **3D** 

N. Doll, Stuttgart; T. Kuntze, Bad Berka

Minimally invasive implantation of a new biological pericardial valve **3D** 

M. Misfeld, Leipzig

Live surgery

Parachute left ventricular exclusion with MitraClip 3D ECHO **3D** 

L. Conradi; U Schaefer, Hamburg

Keynote Presentation

New techniques from concept to clinical practice

M. J. Mack, Plano

Atrioventricular valves

Moderators: *N. Moat, London; T. Folliguet, Vandoeuvre les Nancy; M. J. Mack, Plano; P. Suwalski, Warsaw*

Focus on atrioventricular valve disease – what is different?

V. Falk, Berlin

Tricuspid bicuspidalization

N. Moat, London

Suture based tricuspid annuloplasty

A. Latib, Milan

Transcatheter tricuspid valve implantation

A. Uebing, London

Tricuspid annuloplasty with caval tether

P. Denti, Milan

Mitral bridge implantation in a patient with functional mitral regurgitation

V. Subramanian, New York; S Cerny, Prague

Transapical closed annuloplasty ring implantation

E. Raanani, Tel Aviv

Transapical mitral valve implantation with leaflet capture – a

M. J. Mack, Plano

Transapical mitral valve implantation with leaflet capture – b

A. Cheung, Vancouver

Transapical mitral valve implantation with annular anchoring

L. Søndergaard, Copenhagen

Transapical mitral valve implantation with apical tether

N. Moat, London

Transcatheter mitral valve implantation using 'conventional' transcatheter aortic valve implantation valves, surgically


C. Huber, Berne

Experience with a repositionable prosthesis for direct mitral valve implantation

A. Latib, Milan

Transcatheter mitral valve implantation transapically using 'conventional' transcatheter aortic valve implantation valves

P. Kiefer, Leipzig


Minimally invasive mitral repair for complex bileaflet disease using a new ring for chordal replacement (3D) **3D** 

M. Glauber, Milan

Live surgery

Transcatheter adjustable annuloplasty with 3D Echo **3D** 

F. Maisano, Zurich

Totally endoscopic mitral valve repair with endoclamp and 3D Echo **3D** 

J. Kempfert, Berlin

Challenges in mitral valve repair: Part I

Moderators: *F. Mohr, Leipzig; A. Cobanoglu, Portland*

Learning objectives:

To learn about some of the challenges of repairing the mitral valve in unusual cases and special situations

Panel *P. Perier, Bad Neustadt/Saale, S. Livesey, Southampton, L. Müller, Innsbruck, R. Klautz, Leiden, P. Suwalski, Warsaw*

Timings in this session are subject to change depending on live surgery

08:15

Live case: Minimally invasive mitral repair

M. Misfield, Leipzig

08:45

How to deal with the calcified mitral annulus

P. Perier, Bad Neustadt/Saale

08:55

Discussion

09:00

Tailoring neochordal repair

S. Livesey, Southampton

09:10

Discussion

09:15

3D vision: Added value for minimally invasive?

L. Müller, Innsbruck

09:25

Discussion

09:30

How to achieve optimal exposure in minimally invasive cardiac surgery

P. Suwalski, Warsaw

09:40

Discussion

09:45

Break

10:15

The optimal repair in Barlows disease

R. Klautz, Leiden

10:25

Discussion

10:30

Anatomy and physiology aspect for mitral valve repair

Y. Taverne, Rotterdam

10:40

Discussion

10:45

How to handle systolic anterior motion

M. Castella, Barcelona

10:55

Discussion

11:00

Endoclamping versus transthoracic clamping in minimally invasive mitral repair – benefits and risks

J. Kempfert, Berlin

11:10

Discussion

11:15

Robotic MVR – does it facilitate MVR

R. Poffo, São Paulo

11:25

Discussion

11:30

Wrap up

08:15:-11:45 Focus Session

G104+G105

Safer surgery for whom?

Moderators: M. Jahangiri, London; J. L. Pomar, Barcelona

Panel: S. Westaby, Oxford; B. Leigh, London; E. Quintana, Barcelona; M. Reardon, Houston

08:15

Case presentations

M. Jahangiri, London

08:25

Unmeasured confounders: the pitfalls just using data to monitor outcomes

D. Pagano, Birmingham

08:40

Quality and safety in cardiothoracic surgery clinics in the Netherlands results of an investigation by the Netherlands Health Care Inspectorate in 2014.

I.M. Hellemans, Utrecht

08:55

Reporting surgeon specific results – Pro

M. Mack, Plano

09:10

Reporting surgeon specific results – Con

S. Westaby, Oxford

09:25

My experience with both systems

M. Borger, Leipzig

09:35

Discussion

09:45

Break

10:15

Results under scrutiny. Can we train safely?

E. Quintana, Barcelona

10:30

Risk avoiding strategy – is it good for the patient?

B. Van Straten, Oirschot

10:45

Does adherence to guidelines improve outcomes?

M. Sousa Uva, Lisbon

11:00

Is there a relation between volume and outcome?

V. Falk, Berlin

11:15

Is crude mortality the right measure? How should we identify and deal with outliers?

B. Leigh, London

11:25

Discussion

10:15-11:45 Focus Session

E106+E107

Quality improvement

Moderators: D. Pagano, Birmingham; B. Keogh, London; J. F. Gummert, Bad Oeynhausen

Learning objectives:

Learn how to design a quality improvement programme using and analysing data to improve outcomes.

10:15

Setting the standards for a quality based programme

B. Keogh, London

10:25

Discussion

10:30

Using data to improve outcomes

10:40

Discussion

D. Pagano, Birmingham

10:45

What can we learn from CUSUM analysis?

T. Treasure, Badlesmere

10:55

Discussion

11:00

How to deal with the under-performing individual?

D. Fullerton, Aurora

11:10

Discussion

11:15

Retraining and team learning

M. Mack, Plano

11:25

Discussion

11:30

Outcome focussed training for the future generation

P. Sardari Nia, Maastricht

11:40

Discussion

10:15-11:45 Abstract Rapid Response Session

E102

Transcatheter aortic valve implantation versus surgical aortic valve replacement

Moderators: N. Moat, London; R. Yadav, London

Learning objectives:

Compare outcomes between transcatheter aortic valve implantation versus surgical aortic valve replacement.

Impact of transcatheter aortic valve implantation on surgical outcomes.

10:15

Does transcatheter aortic valve replacement improve outcomes compared to surgery in patients with severe aortic stenosis and renal dysfunction? A propensity matched study

C. Muneretto, Brescia; O. Alfieri, Milan; M. De Bonis, Milan; A. Repossini, Brescia; L. Di Bacco, Brescia; R. Di Bartolomeo, Bologna; G. Bisleri, Brescia; T. Folliguet, Vandoeuvre les Nancy

10:24

Aortic valve replacement via ministernotomy versus transcatheter aortic valve implantation – which approach is the gold standard in a moderate risk group?

N. Furukawa, Bad Oeynhausen; O. Kuss, Düsseldorf; S. Scholtz, Bad Oeynhausen; W. Scholtz, Bad Oeynhausen; T. Becker, Bad Oeynhausen; S. Ensminger, Bad Oeynhausen; J. Gummert, Bad Oeynhausen; J. Börgermann, Bad Oeynhausen

10:33

Redo aortic valve replacements in the transcatheter aortic valve implantation era

D. Spiegelstein; N. Gutman; A. Hamdan; A. Kogan; L. Sternik; B. Orlov; A. Lipey; E. Raanani, Ramat Gan

10:42

Results of surgical aortic valve replacement in octogenarians turned down for transcatheter aortic valve replacement by the multidisciplinary heart team

S. Mohammadi; E. Dumont; J. Rodés-Cabau; P. Voisine; D. Doyle; E. Charbonneau; F. Dagenais; D. Kalavrouziotis, Quebec City

10:51

Comparison between aortic valve replacement with rapid deployment valve and transfemoral transcatheter aortic valve implantation in the 'grey zone' patients with severe aortic stenosis

P. Bruno; A. Di Cesare; M. Nesta; F. Burzotta; C. Colizzi; F. Crea; C. Trani; M. Massetti, Rome

11:00

Cardiac surgery after failed transcatheter aortic valve implantation: National experience

D. Spiegelstein, Ramat Gan; I. Ferstenfeld, Ramat Gan; A. Korach, Jerusalem; S. Silberman, Jerusalem; G. Bolotin, Haifa; E. Sharoni, Haifa; G. Sahar, Beer Sheva; E. Raanani, Ramat Gan

11:09

Impact of liver function on clinical outcome in patients undergoing transcatheter aortic valve implantation

D. Wendt, Essen; P. Kahlert, Essen; A. Canbay, Essen; G. Cremer, Essen; F. Al-Rashid, Essen; M. Thoenes, Oberägeri; H. Jakob, Essen; M. Thielmann, Essen

11:18

Risk factors for permanent pacemaker after implantation of surgical or percutaneous self-expanding aortic prosthesis

E. Villa, Brescia; A. Clerici, Milan; A. Messina, Brescia; L. Testa, Milan; F. Bedogni, Milan; A. Moneta, Milan; F. Donatelli, Milan; G. Troise, Brescia

11:27

Simultaneous transcatheter aortic valve implantation and off-pump revascularization

S. Ahad; S. Hill; T. Schaeufele; A. Ursulescu; R. Nagib; H. Von Loewensprung; U. Franke; H. Baumbach, Stuttgart

11:36

Transapical aortic valve implantation versus surgical aortic valve replacement in a prospective randomised trial: Comparable health-related quality-of-life in low-risk patients

C. Rex; J. Heiberg; V. Hjortdal, Aarhus

11:55-13:15 Plenary Session

Auditorium

CanBetter: optimising training programs in Cardio-thoracic surgery

Moderators: T. Graham, Birmingham - E. Verrier, Seattle

Learning objectives:

Gaining insight in issues regarding training in cardio-thoracic surgery.

11.55

Measuring professional performance

M.J.M.H. Lombarts, Amsterdam

12.10

Discussion

12.15

Training residents in patient safety: a patient is not an airplane

J.M. Hamming, Leiden

12.30

Discussion

12.35

Stressful work: psychological job strain and other work-related outcomes among medical residents

J. K. Sluiter, Amsterdam

12.50

Discussion

12.55

Increasing efficiency of surgical training: the introduction of CanMeds in the Netherlands

A.P. Kappetein, Rotterdam

13.10

Discussion

13:45-15:45 Perfusion Session 3

Mechanical circulatory support

Moderators: J. Horisberger, Le Mont sur Lausanne; G. Tenderich, Duisburg

13:45

The total artificial heart: Why so difficult to develop?

C. Latremouille, Paris

14:15

New concepts in total artificial heart

G. Tenderich, Duisburg

14:45

Mechanical circulatory support in children: State of the art

P. Van De Woestijne, Rotterdam

13:15-16:15 Focus Session

Auditorium

Update on the results and rationale and design of ongoing clinical trials

Moderators: A. P. Kappetein, Rotterdam; V. Falk, Berlin

Panel: R. Kramer, Portland; H. G. Jakob, Essen; R. Lange, Munich; J. Kempfert, Berlin; M. J. Antunes, Coimbra; T. M. Sundt, Boston; D. Fullerton, Aurora

Learning objectives:

Describe and generalise findings from landmark clinical trials to the contemporary management of cardiovascular disease

To disseminate information on the rationale and design of ongoing clinical trials in cardiovascular disease management

13:15

Transcatheter versus surgical aortic valve replacement in patients with severe aortic valve stenosis. Results from the all-comers NOTION randomised clinical trial

H. Thyregod, Copenhagen

13:20

Discussion

13:25

A randomised comparison of self-expanding transcatheter and surgical aortic valve replacement in patients with severe aortic stenosis deemed at increased risk for surgery

D. H. Adams, New York

13:30

Discussion

13:35

Outcomes at 30 days with the SAPIEN 3 transcatheter aortic valve replacement system in inoperable, high-risk and intermediate-risk aortic stenosis patients

N. Desai, Philadelphia

13:40

Discussion

13:45

Results of a randomised trial of long term clinical outcomes and patencies of radial artery versus right internal thoracic artery or saphenous vein

B. Buxton, Melbourne

13:50

Discussion

13:55

A controlled randomised trial of a sutureless heart valve versus standard bioprosthesis in the surgical treatment of aortic valve disease; rationale and design

T. Fischlein, Nuremberg

14:00

Discussion

14:05

What every cardiac surgeon should know of the latest results of clinical trials with novel antithrombotic agents

F. Verheugt, Amsterdam

14:10

Discussion

14:15

POL-MIDES: Hybrid revascularization for multi-vessel coronary artery disease

M. Zembala, Tarnowskie Góry

14:20

Discussion

14:25

Surgical ablation of atrial fibrillation during mitral-valve surgery

J. Derose, New York

14:30

Discussion

14:35

Study design and update on the COATP trial; Mitraclip versus standard of care

M. Mack, Plano

14:40

Discussion

14:45

Rationale and design of FAME 3 trial: A comparison of fractional flow reserve-guided percutaneous coronary intervention and coronary artery bypass graft surgery in patients with multivessel coronary artery disease

N. Pijls, Eindhoven

14:50

Discussion

14:55

Surgical treatment of moderate ischemic mitral regurgitation

R. Weisel, Toronto

15:00

Discussion

15:05

Liberal or restrictive transfusion after cardiac surgery

G. Murphy, Leicester

15:10

Discussion

15:15

A randomised trial of continuous postoperative pericardial flushing to reduce postoperative blood loss

D. Koolbergen, Amsterdam

15:20

Discussion

15:25

Five year outcome of the Partner trial: Transcatheter aortic valve replacement, standard treatment or surgical aortic valve replacement for inoperable or high surgical risk patients with aortic stenosis

M. Mack, Plano

15:30

Discussion

15:35

Relation between frailty and outcomes after transcatheter aortic valve replacement;

S. Arnold, Kansas City

15:40

Discussion

Adult heart transplantation with distant procurement and ex-vivo preservation of donor hearts after circulatory death

K. Dhital, Sydney

15:50

Discussion

15:55

Will bio-absorbable scaffolds close the gap between percutaneous coronary intervention and coronary artery bypass graft

P. Serruys, Rotterdam

16:00

Discussion

16:05

Rationale and design of a randomised study comparing different solutions of cardioplegia

T. Doenst, Jena

13:45-15:45 Focus Session

G104+G105

Extracorporeal life support devices and strategies for management of acute cardiorespiratory failure

Moderators: R. Lorusso, Maastricht; G. J. R. Whitman, Baltimore

Learning objectives:

Recognise the need for, state proper indications for, discuss potential complications of, and demonstrate appropriate initial stabilisation of patients with critical cardiac and respiratory disease.

13:45

Extracorporeal life support as bridge to lung transplant

L. Wiklund, Mölndal

13:56

Managing bleeding and thrombosis in extracorporeal membrane oxygenation

A. Simon, Harefield

14:07

Transformation of percutaneous access to a safe peripheral arterial cannulation

S. Demertzis, Lugano

14:18

Which patients require extracorporeal life support in acute respiratory distress syndrome?

J. Swol, Kronach

14:29

New devices: What's coming

S. Clark, Newcastle-upon-Tyne

14:40

Percutaneous or surgical cannulation

R. Lorusso, Maastricht

14:51

Extracorporeal membrane oxygenation for bridge to heart transplantation

T. Wahlers, Cologne

15:02

Extracorporeal life support as a bridge to bridge device

M. Kirsch, Paris

13:45 - 15:15 Quality Improvement Programme Update

F002

Moderators: D. Pagano, Birmingham; B. Keogh, London

13:45

Importance of data collection in modern health care systems

B. Keogh, London

14:00

Euromacs

J. Gummert, Bad Oeynhausen

14:10

Progress on development of the international benchmarking tool

S. Head, Rotterdam

14:20

Discussion

14:30

Overview of Adult Database project to date

D. Pagano, Birmingham

14:40

Discussion

14:50

Overview of the STS database, present and future

J. Jacobs, Florida

15:00

Discussion

15:10

Wrap-up

D. Pagano, Birmingham

Aortic valve substitutes: The long term view

Moderators: *T. Carrel, Berne; S. Cebotari, Hannover*

Learning objectives:

Long term outcome of surgical aortic valve replacement.

Comparative performance between different prostheses.

13:45

Mitroflow LXA structural deterioration following aortic valve replacement:
A single centre experience

K. Diplaris; N. Amabile; N. Khellil; G. Lauria; P. Dervanian; E. Lansac; M. Debauchez; K. Zannis, Paris

13:54

Long term follow-up after implantation of Shelhigh® aortic valve conduit

D. Reineke, Berne; A. Kaya, Nieuwegein; P. Heinisch, Berne; B. Winkler, Berne; C. Huber, Berne; W. Morshuis, Nieuwegein; T. Carrel, Berne; L. Englberger, Berne

14:03

Comparison of mid-term hemodynamic performance between the BioValsalva and Biointegral valved conduit after aortic root replacement

A. Raweh; D. Wendt; M. Eissmann; J. Benedik; K. Tsagakis; H. Jakob, Essen

14:12

Exercise hemodynamic comparison of freestyle, magna ease, and trifecta aortic bioprostheses

D. Bach; H. Patel; T. Kollias; G. Deeb, Ann Arbor

14:21

Freestyle root replacement improves haemodynamics and exercise capacity in young (< sixty years) patients: Results from a stress echocardiographic study.

M. Pettinari; P. Bertrand; H. Gutermann; C. Van Kerrebroeck; R. Dion, Genk

14:30

Long term outcome after aortic valve replacement: Insight in the last European and American guidelines

A. Colli; L. Besola; E. Bizzotto; E. Manzan; F. Zucchetta; D. Gregori; G. Gerosa, Padua

14:39

Real life experience with the Mitroflow aortic pericardial heart valve up to three years: Results from an interim analysis in 334 patients

J. Defraigne, Liège; M. Bentala, Breda; P. Petrov, Burgas; F. Sabol, Košice; J. Marnette, Namur; A. Leguerrier, Rennes; L. Camilleri, Clermont-Ferrand; F. Pelissier, Caluire-et-Cuire

14:48

Impact of aortic root preservation on prosthesis durability in patients undergoing ascending aorta and aortic valve replacement with Carpentier Edwards aortic bioprosthesis: a propensity score based study

S. Cebotari; F. Ius; M. Roumieh; I. Ismail; I. Tudorache; F. Fleissner; A. Haverich, Hannover

14:57

Mitroflow and PERIMOUNT Magna: Ten years' outcome. A direct propensity match analysis to assess re-intervention rate and long follow up mortality

C. Taddeo; T. Theologou; M. Field, Liverpool

15:06

Aortic valve replacement with mechanical prostheses: Over twenty years' experience in a single institution

S. Mastrobuoni; L. De Kerchove; P. Astarci; E. Navarra; S. Solari; A. Poncelet; P. Noirhomme; G. El Khoury, Brussels

Basic Science – Heart

Moderators: *H. J. Ankersmit, Vienna; A. Martens, Hannover*

13:45

Alpha gal immune response in biovalve recipients

H. J. Ankersmit, Vienna

14:07

Cell-based cardiac regeneration therapy: individualized patient data meta-analysis

M. Pavone-Gyöngyösi, Vienna

14:29

Tissue engineering and basic science

A. Martens, Hannover

14:51

Basic science and regeneration: miRNA and biomaterials for cardiac regeneration

M. Gnechi, Pavia

Women in cardiac surgery

Moderators: *M. Shrestha, Hannover*

Learning objectives:

To discuss problems faced in order to make cardiac surgery attractive for women medical graduates, especially in view of the acute shortage of young surgeons in cardiac surgery.

13:45

Introduction

M. Grabenwöger, Vienna

13:50

Balancing the family and cardiac surgery

E. Roost, Berne

13:55

Discussion

14:00

Making cardiac surgery family friendly: What have we done so far?

J. Tomkinson, Liverpool

14:05

Discussion

14:10

Woman & a migrant: A double disadvantage. Tips to succeed

I. Deglurkar, Cardiff

14:15

Discussion

14:20

Women in cardiac Surgery: View from the USA

O. Preventza, Houston

14:25

Discussion

14:30

Glass ceiling: How high can a woman surgeon rise in the academic ladder?

D. Aicher, Homburg/Saar

14:35

Discussion

14:40

Effective strategies toward gender equality in academic medicine

J. J. M. Takkenberg, Rotterdam

14:45

Discussion

14:50

Female residents in cardiac surgery: Take gender out of the equation

J. Umminger, Hannover

14:55

Discussion

15:00

Women in academic cardiac surgery: A resident's perspective

S. Guenther, Munich

15:05

Discussion

15:10

Women in cardiothoracic surgery – viewed from Denmark

V. Hjortdal, Aarhus

15:15

Discussion

15:20

Title to be confirmed

P. Salminen, Bergen

15:25

Discussion

15:30

Title to be confirmed

B. Harpham, Leeds

15:35

Discussion

15:40

Closing remarks

A. P. Kappetein, Rotterdam

Perfusion Programme

08:15-09:45 Haemostasis and fluid management – Session 1

Moderators: *A. Wahba, Trondheim; F. Merkle, Berlin*

08:15

Perioperative management of patients receiving new oral anticoagulants

A. Jeppsson, Gothenburg

08:45

Mesenteric ischaemia complicating cardio-pulmonary bypass

S. Large, Elsworth

09:05

The role of haematocrit in extracorporeal circulation

M. Ranucci, Milan

09:25

Fluid replacement in extracorporeal circulation: crystalloids versus colloids

T. Doenst, Jena

09:45

Break

10:15-11:45 Improving Perfusion – Session 2

Moderators: *R. Di Bartolomeo, Bologna; T. Gudbjartsson, Reykjavik*

10:15

Visceral organ protection during aortic surgery

R. Di Bartolomeo, Bologna

10:45

Perfusion in acute aortic dissection surgery

W. Harringer, Braunschweig

11:05

Wound infections in cardiac surgery – what perfusionists should know

T. Gudbjartsson, Reykjavik

11:25

Extracorporeal circulation – standby in transcatheter valve procedures is it still required?

O. Wendler, London

11:45

Break

13:44 Mechanical circulatory support - Session 3

13:45

The total artificial heart: Why so difficult to develop?

C. Latremouille, Paris

14:15

New concepts in total artificial heart

G. Tenderich, Duisburg

14:45

Mechanical circulatory support in children: State of the art

P. Van De Woestijne, Rotterdam

Nurse and Nurse Physician Programme

08:15

Opening

*G. Schaaij, Nieuwegein***08:15-09:45 Session 1: Octogenarians and surgery***Moderators: L. L. Haus, Odense; M. Brunott, Rotterdam; C. Bannister, Southampton***08:25**

Octogenarian and quality of life after coronary artery bypass graft

*F. Zwiers-Blokzijl, Groningen***08:45**

The view of the surgeon

*M. Shrestha, Hannover***09:10**

The view of the geriatrician

*R. Van Bruchem-Visser, Rotterdam***09:35**

Summary and discussion

09:45

Break

10:15-12:00 Session 2: Quality improvements and innovation*Moderators: D. Bordinggaard, Odense; T. Bartley, Birmingham***10:15**

Time-out procedure in theatre

*C. Dekker-Van Doorn, Rotterdam***10:35**

Clinical guideline for the prevention of postoperative infections by systematic oral hygiene associated with elective thoracic surgery interventions in adult patients

*I. Madsen, Aarhus***10:55**

Improving safety in documentation for acute and elective patients

*S. Friis Søndergaard, Viborg***11:20**

Extracorporeal membrane oxygenation

*A. Philipp, Regensburg***11:40**

Uniportal thoracic surgery

D. Gonzalez, Coruña

12:00-13:00 Session 3: Science

Moderators: D. Bordinggaard, Odense; L. L. Haus, Odense

12:00

A nurse led thoracic surgical pathway. 'The Southampton Experience'

B. Andrews, Southampton

12:15

Negotiated work based learning (NWBL) to up-skill an advanced nurse practitioner (ANP) to interpret plain film chest radiographs

A. Walthew, Liverpool

12:30

Long term effectiveness of a nurse driven pain protocol

R. Van Valen, Rotterdam

12:45

Preliminary findings: Targeting coronary artery bypass graft patients at high risk of surgical site infection

M. Rochon, London

13:45-14:35 Session 4: Guidelines

Moderators: M. Brunott, Rotterdam; T. Bartley, Birmingham

13:45

Best presentation award

J. L. Pomar, Barcelona

14:05

ESC/EACTS guidelines on myocardial revascularisation and on NSTEMI

P. Kolh, Liège

14:15

How to influence guidelines a real life scenario

J. Dunning, Middlesbrough

14:50-16:00 Session 5: Hands-on

Moderators: L. L. Haus, Odense; D. Bordinggaard, Odense; T. Bartley, Birmingham;

C. Bannister, Southampton; M. Brunott, Rotterdam

14:50 Hands-on session

Wire skills for the surgeon

Moderators: *V. N. Bapat, London; R. H. Heijmen, Nieuwegein; L Van Garsse, Nijmegen*

Learning objectives:

To learn about the techniques in percutaneous therapy.

To understand the practical aspects of percutaneous access, transseptal approach and thoracic stenting.

Timings in this session are subject to change depending on live surgery

08:15

Live case: Transfemoral transcatheter aortic valve implantation

D. Holzhey, Leipzig

08:45

Surgeons - wire up!

R. Lange, Munich

08:55

Discussion

09:00

Fluoroscopy revisited: Essentials you need to know

H. Treede, Halle

09:10

Discussion

09:15

Transfemoral artery puncture

R. Heijmen, Nieuwegein

09:30

Discussion

09:45

Break

10:15

Vessel closure devices

J. Kempfert, Berlin

10:30

Technique of transseptal puncture

F. Maisano, Zurich

10:45

Live-in-a-box: MitraClip done by surgeon

S. Jacobs, Berlin

11:00

Thoracic endovascular aortic repair done by surgeons

B. Rylski, Freiburg

11:15

Hybrid techniques for thoracic aorta

H. Jakob, Essen

11:30

Alternative access routes for transcatheter aortic valve implantation

G. Bruschi, Milan

11:40

Wrap up

R. Busund, Tromsø

Heart transplantation in the modern era

Moderators: J. F. Gummert, Bad Oeynhausen; J. Kluin, Utrecht

Learning objectives:

To cover heart transplantation from basic science to long term results.

08:15

Moderate to severe early graft failure after cardiac transplantation: Treatment strategies and predictive risk factors analysis

A. Loforte; G. Murana; M. Cefarelli; G. Jafrancesco; J. Alfonsi; M. Sabatino; F. Grigioni; G. Marinelli, Bologna

Discussant: G. Warnecke, Hannover

08:30

Prevalence of donor transmitted coronary artery disease and long term prognosis

D. Kim; J. Park; T. Yoon; J. W. Lee; J. J. Kim; S. Jung, Seoul

Discussant: G. Gerosa, Padua

08:45

Prognostic value of gene expression profiling to predict long-term outcomes after heart transplantation

B. Fujita; E. Prashovikj; U. Schulz; U. Fuchs; J. Börgemann; J. Gummert; S. Ensminger, Bad Oeynhausen

Discussant: J. Garbade, Leipzig

09:00

Continuous improvement in outcome after heart transplantation– long-term follow-up after three decades of experience

G. Dellgren; H. Liden; S. Ricksten; S. Bartfay; E. Bollano; H. Schersten; K. Karason, Gothenburg

Discussant: S. Dhital, Sydney

09:15

Recipient age impact on outcome after cardiac transplantation: Should it still be considered in organ allocation?

S. Sponga, Udine; D. Piani, Udine; A. Lechaincole, Rome; V. Tursi, Udine; E. Spagna, Udine; G. Guzzi, Udine; C. Nalli, Udine; U. Livi, Udine

Discussant: E. Ferrari, Lausanne

09:30

The effect of everolimus versus calcineurin inhibitors on surgical complications: The results of a de novo heart transplant randomized controlled trial (SCHEDULE trial)

M. Rashidi, Oslo; S. Esmaily, Oslo; A. Fiene, Oslo; F. Gustafsson, Copenhagen; H. Eiskjar, Copenhagen; G. Radegran, Lund; G. Dellgren, Gothenburg

Discussant: C. Hagl, Munich

Endocarditis: A continuous dilemma

Moderators: C. A. Mestres, Abu Dhabi; M. Mokhles, Rotterdam

08:15

When to perform surgery for endocarditis and in whom?

J. Kempfert, Bad Nauheim

08:30

Early surgery and the optimal timing of surgery for infective endocarditis:
A meta-analysis

B. Song; F. Liang; R. Liu, Lanzhou

Discussant: Wyler von Ballmoos, Moritz Milwaukee

08:45

Do radiological characteristics of preoperative cerebral lesions affect postoperative haemorrhagic stroke in endocarditis patients?

M. Diab; A. Günther; P. Scheffel; H. Kirov; C. Sponholz; T. Lehmann; O. Witte; T. Doenst, Jena

Discussant: M. Borger, New York

09:00

Cardiac surgery for infective endocarditis in patients with intravenous drug abuse

O. Österdal; P. Salminen; S. Jordal; H. Sjursen; O. Wendelbo; R. Haaverstad, Bergen

Discussant: O. Wendler, London

09:15

Multiplex polymerase chain reaction to diagnose bloodstream infections in patients after cardiothoracic surgery

K. Pilarczyk; P. Rath; J. Steinmann; J. Benedik; D. Wendt; H. Jakob; F. Dusse, Essen

Discussant: S. Wan, Hong Kong

09:30

Wrap-up

M. Mokhles, Rotterdam

08:15-09:45 Abstract Session

E104+E105

Risk models in coronary surgery

Moderators: J. S. Coselli, Houston; D. Pagano, Birmingham

Learning objectives: Use of clinical risk models to predict outcomes.
Use of anatomical risk score to predict outcomes.

08:15

Clinical risk models to estimate risk of coronary artery bypass grafting

S. Grant, Manchester

08:30

Comparison of logistic EuroSCORE and EuroSCORE II in predicting operative mortality in 1125 total arterial operations

T. Kieser; S. Rose, Calgary

Discussant: S. Nashef, Cambridge

08:45

The SYNTAX score

S. Head, Rotterdam

09:00

SYNTAX score is correlated with long-term outcomes of coronary artery bypass grafting for complex coronary artery lesions

Y. Cho; S. Shimura; A. Aki; H. Furuya; K. Okada; T. Ueda, Kanagawa

Discussant: R. Yadav, London

09:15

Residual SYNTAX score and outcomes following coronary artery bypass grafting

G. Melina; E. Angeloni; R. Bianchini; A. Roscitano; C. Comito; F. Capuano; S. Refice; R. Sinatra, Rome

Discussant: J. Börgemann, Bad Oeynhausen

09:30

EuroSCORE II and SYNTAX Score to evaluate risks of coronary artery bypass grafting outcomes

M. S. Al-Shiekh; S. Al Ameen; A. Faragallah; S. El Bogdady, Cairo

Discussant: R. Osnabrugge, Rotterdam

08:15-09:45 Abstract Rapid Response Session

E102

Reducing invasiveness

Moderators: M. Poullis, Liverpool; F. Ciulli, Bristol

Learning objectives:

Alternatives to sternotomy.

Is on- or off-pump better?

08:15

Early and mid-term results of no-touch aorta multi-vessel small thoracotomy versus conventional off-pump coronary artery bypass grafting: A propensity score matched study

A. Ziankou, Vitebsk; M. Laiko, Vitebsk; K. Vykhrytsenka, Vitebsk; Y. Ostroversusky, Minsk

08:24

Ten years follow-up after minimally invasive left anterior descending revascularization

A. Repossini; L. Di Bacco; G. Bisleri; C. Muneretto, Brescia

08:33

Use of bilateral skeletonized internal thoracic artery for minimally invasive coronary artery by-pass grafting. Our first hundred cases

M. Guida; G. Guida; G. Guida; A. Lo Cascio; E. De Garate; P. Mendoza; M. Vasquez; M. Pecchinenda, Valencia

08:42

A novel technique of harvesting bilateral internal thoracic arteries under direct vision via left small thoracotomy in minimally invasive cardiac surgery coronary arterial bypass graft

K. Kikuchi; D. Une; Y. Endo; T. Matsuyama; Y. Fukada; A. Kurata, Yamato

08:51

Early results of minimally invasive coronary artery bypass grafting using in-situ bilateral internal thoracic arteries and extension technique with the radial artery

A. Ziankou, Vitebsk; K. Vykhrytsenka, Vitebsk; M. Laiko, Vitebsk; V. Chyeshov, Vitebsk; Y. Ostroversusky, Minsk

09:00

Off-pump coronary artery bypass grafting in ministernotomy: Lessons learnt after a hundred cases

A. Longobardi; P. Masiello; A. Panza; G. Mastrogiovanni; A. Villano; F. D'Auria; S. Iesu; G. Di Benedetto, Salerno

09:09

Off-pump versus on-pump coronary artery bypass: A propensity score matched analysis using the Japan adult cardiovascular surgery database

S. Numata, Kyoto; H. Miyata, Tokyo; K. Doi, Kyoto; S. Yamazaki, Kyoto; N. Motomura, Tokyo; S. Takamoto, Tokyo; H. Yaku, Kyoto

09:18

Long-term survival following off-pump coronary artery bypass grafting

B. Kirmani, Warrington; S. Sriskandarajah, Manchester; R. Azzam, Manchester; A. Brazier, Manchester; R. Hasan, Manchester; H. Abunasra, Manchester

09:27

Comparison between off-pump and on-pump coronary artery bypass grafting. Long-term results from a real-world registry

F. Nicolini, Parma; D. Fortuna, Bologna; G. Contini, Parma; D. Pacini, Bologna; D. Gabbieri, Modena; C. Zussa, Ravenna; R. De Palma, Bologna; T. Gherli, Parma

09:36

A meta-analysis of on-pump beating versus conventional coronary artery bypass grafting surgery

C. Ueki; G. Sakaguchi; T. Akimoto; Y. Ohashi; H. Sato, Shizuoka City

08:15-09:45 Abstract Session

Emerald Room

Work in progress

Moderators: F. Kari, Freiburg; D. J. Chambers, London

08:15

Tissue engineered stentless pulmonary valve using bone-marrow-derived mesenchymal stem cells and circulating endothelial progenitor cells and its in-vivo implantation in a sheep model

E. M. Delmo Walter, Berlin; V. Sales, Boston; B. Hartmann, Berlin; A. Ekkernkamp, Berlin; R. Hetzer, Cottbus; J. Mayer, Boston

08:30

Role of bone marrow mesenchymal stem cells in the stabilization of elastase-induced ascending aortic aneurysm in a rat model

C. Pisano; C. R. Balistreri; A. Allegra; V. Argano; G. Ruvolo, Palermo

08:45

Type A dissection model to facilitate endovascular research

P. Heinisch, Berne; B. Winkler, Berne; R. Klaws, Kiel; T. Carrel, Berne; A. Khojzhezad, Los Angeles; R. Bombien, Los Angeles

09:00

Development and implementation of a bioinformatics probability-based predictive model for assessing the risk of aortic dissection in Turner syndrome patients

H. Sherif, Newark

09:15

Preoperative planning of left sided valve surgery for individualized tailored patient approach: Sternotomy or a minimally invasive approach?

S. Heuts; P. Sardari Nia; J. Maessen, Maastricht

09:30

MMP-2 and MMP-9 as biomarkers for different types of thoracic aortic aneurysms correlated with blood flow distribution

N. Kocher; M. Russe; F. Beyersdorf; M. Siepe; P. Meffert; F. Kari, Freiburg

Endoscopic port access mitral valve repair

Learning objectives:

To gain familiarity and knowledge in the instrumental necessities for endoscopic mitral valve repair.

To practice and learn the basic techniques in endoscopic surgery for mitral valve repair on high-fidelity simulators.

Mitral valve repair using annuloplasty ring and neochords on high-fidelity simulators.

True simulated physical model of endoscopic port-access set-up whereby the operator can train from the basic technique to full complex repairs.

Disposable mitral valves and papillary muscles that have been created out of material resembling the physical characteristics of connective tissue giving the operator a true experience.

The simulator can provide feedback regarding the length and depth of each stitch on the mitral valve annulus with a picture of each created stitch. The operator can hone his/her skills based on pre-set parameters of length and depth

The simulator can be used for the following approaches: minimally invasive mitral valve repair endoscopically; minimally invasive mitral valve repair through direct vision; minimally invasive mitral valve repair with robotic-assistance using the ports; conventional mitral valve repair by opening the thorax.

Each Session is restricted to 12 participants

Registration: €70 per session. Registration should be made online via the EACTS user area or at the registration desks on site.

10:15-11:45 Abstract Session

Left ventricle – strategies in left ventricular moderations

Moderators: R. Klautz, Leiden; N. Buzzatti, Milan

Learning objectives:

Should you burn your hands on left ventricular restoration?

10:15

First in human extracellular matrix implantation in post-infarct ischemic heart failure – six months results

P. Suwalski; R. Smoczynski; D. Drobinski; M. Furmanek; S. Sypula; W. Sarnowski; J. Staromlynski; A. Witkowska, Warsaw

Discussant: M. Emmert, Zurich

10:30

Left ventricular stroke work index predicts reverse remodelling after submitral procedures for ischemic dilated cardiomyopathy

Y. Shingu; S. Wakasa; T. Ooka; T. Tachibana; Y. Matsui, Sapporo

Discussant: G. Wiesenthaler, San Francisco

10:45

Improvements in left ventricular diastolic function after parachute device implantation in patients with ischemic heart failure: A pilot multi-detector computed tomography study

C. Yun, Taipei City; C. Hung, Taipei City; T. Wu, Taipei City; H. Bezerra, Cleveland

Discussant: S. Tsui, Cambridge

11:00

Ventricular volume and myocardial viability evaluated by cardiac magnetic resonance imaging affect long-term results after surgical ventricular restoration for patients with ischemic cardiomyopathy

S. Yamazaki, Kyoto; H. Yaku, Kyoto; K. Doi, Kyoto; S. Numata, Kyoto; K. Morimoto, Suita; K. Manabe, Kyoto; K. Ikemoto, Kyoto; T. Matsushiro, Kyoto

Discussant: F. Emrich, Leipzig

11:15

Calculation of the expected end-diastolic volume of the left ventricle using the technique of Teichholz in patients with left ventricular aneurysm

R. Babukov; V. Bazylev; V. Kamahin; A. Mikulyak, Penza

Discussant: M. Deja, Katowice

11:30

Surgical ventricular restoration plus mitral valve repair in patients with ischemic heart failure. Risk factors for early and mid-term outcome

S. Castelvechio, San Donato Milanese; A. Parolari, Milan; A. Garatti, San Donato Milanese; P. Gagliardotto, San Donato Milanese; E. Mossuto, San Donato Milanese; A. Canziani, San Donato Milanese; L. Menicanti, Milan

Discussant: J. Schmitto, Hannover

10:15-11:45 Abstract Session

G104+G105

Aortic valve replacement: What is new?

Moderators: T. Modine, Lille; J. Kluin, Utrecht; F. Casselman, Aalst

Learning objectives: New technology and imaging in aortic valve pathology.

Impact of tissue engineering on aortic bioprostheses.

10:15

Root repair procedure guided by an electrocardiogram-triggered Preoperative computerised tomography-scan interleaflets triangles analysis

C. Romagnoni; M. Contino; R. Rosa; A. Mangini; G. Gelpi; M. Lemma; S. Ippolito; C. Antona, Milan

Discussant: H. Jakob, Essen

10:30

Effect of aortic valve morphology on fluid dynamics of the thoracic aorta – indication for a new modality of valve assessment?

P. Youssefi, London; A. Gomez, London; R. Sharma, London; A. Figueroa, Ann Arbor; M. Jahangiri, London; D. Cameron, Baltimore

10:45

Tissue-engineered fibrin-based heart valve with a load-oriented textile reinforcement

R. Moreira; R. Ross; M. Menne; J. Spillner; J. S. Sachweh; P. Mela; S. Jockenhoevel, Aachen

11:00

Full tri-leaflet aortic valve reconstruction with bovine pericardium: An experimental study

B. Meuris, Leuven; L. Neethling, Perth; G. Strange, Fremantle; D. Rhodes, Sydney; T. Uchida, Tokyo; S. Ozaki, Tokyo

Discussant: J. Kluin, Utrecht

11:15

Simulation and training of minimally invasive cardiac surgery using a three-dimensional printing system

T. Yamada, Tokyo; M. Osako, Tokyo; T. Uchimuro, Tokyo; T. Morikawa, Tokyo; M. Sugimoto, Kobe; K. Okamoto, Tokyo; M. Kudo, Tokyo; H. Shimizu, Tokyo

11:30

Late gadolinium enhancement in cardiac magnetic resonance as a marker of morphological and functional deterioration in patients with severe aortic stenosis
R. Sádaba, Gorraiz; V. Arrieta, Pamplona; V. Alvarez-Asiain, Pamplona; M. Ciriza, Pamplona; F. Olaz, Pamplona; F. Gomez, Pamplona; N. Lopez-Andres, Pamplona

Discussant: M. Ruel, Ottawa

10:15-11:45 Abstract Session

E104+E105

Cardiac general

Moderators: T. J. Van Brakel, Leiden; D. L. Ngaage, Leeds

Learning objectives:

Keeping professional performance despite difficult circumstances.

10:15

Professional behaviour in the operating room, outcomes

D. O'Regan, Badsworth

10:30

A novel surgical distractions capture tool for cardiac surgery and lung transplantation
impact of distractions on outcomes?

L. P. Ong; N. Gunaratnam; S. Kuravelli; N. Collins; S. Chan; T. Butt; S. Clark, Newcastle upon Tyne

Discussant: J. Gummert, Bad Oeynhausen

10:45

The Netherlands joined outcomes and transparency initiative first results of a national
initiative to bench the quality of institutional cardiovascular care

B. De Mol; D. Van Veghel; P. Van Der Nat, Amsterdam

Discussant: D. Fullerton, Aurora

11:00

Over thirty years' results of bileaflet mechanical valve replacement

S. Saito; H. Tsukui; N. Masuda; T. Harada; H. Tomioka; S. Aomi; K. Yamazaki, Tokyo

Discussant: H. Najm, Riyadh

11:15

Atrio-ventricular rupture after mitral valve surgery- a disastrous complication:
Experience from a single centre

O. Akhavuz; M. Vollroth; F. Bakhtiary; F. Mohr, Leipzig

Discussant: J. Bekkers, Rotterdam

11:30

Comparison septal myectomy with and without mitral subvalvular apparatus
intervention in patients with obstructive hypertrophic cardiomyopathy: prospective
randomize study

*A. Bogachev-Prokophiev; M. Fomenko; S. Zheleznev; A. Pivkin; A. Afanasiev; A. Karaskov,
Novosibirsk*

Discussant: tba

Avoiding disasters in cardiac surgery

Moderators: *J. Pepper, London; M. Lancé, Maastricht*

Learning objectives:

To understand preventive measures, intraoperative techniques and prediction, and perioperative interventions to reduce complication.

10:15

Short- and long-term impact of perioperative complications

G. J. R. Whitman, Baltimore

10:30

Prevention of stroke

R. W. M. Keunen, The Hague

10:45

Common treatment of acute perioperative stroke

P. J. Koudstaal, Rotterdam

11:00

Looking after the kidneys

N. Howell, Birmingham

11:15

Ischaemia and inflammation

M. Lancé, Maastricht

11:30

Keeping the blood bank happy; strategies to reduce transfusion

A. Jeppsson, Gothenburg

Supporting the heart and lung

Moderators: *D. Zimpfer, Vienna; B. Meyns, Leuven*

Learning objectives:

Different issues with circulatory support.

10:15

Extracorporeal membrane oxygenation with minimal heparinization

J. Raman, Chicago; L. Michalak, Chicago; N. Dobrilovic, Chicago; O. Lateef, Chicago;

S. Aziz, Washington

10:24

Out-of-centre extra-corporeal life support implantation – what's next?

D. Schibilsky; P. Klumm; H. Lausberg; H. Häberle; P. Rosenberger; T. Walker; C. Schlensak, Tübingen

10:33

Left ventricular assist device implantation in patients after prior left ventricular reconstruction; surgical technique and case series

M. Palmen; J. Braun; S. Beeres; H. Verwey; L. Couperus; V. Delgado; R. Klautz; M. Schlij, Leiden

10:42

Implanting permanent left ventricular assist devices in patients on veno-arterial extracorporeal membrane oxygenation support. Do we really need cardiopulmonary bypass machines?

D. Saeed; A. Albert; T. Hoffmann; B. Maxhera; G. Petrov; E. Roussel; A. Lichtenberg, Düsseldorf

10:51

Case control study. Reduction of INCOR driveline infection rate with silicone at the driveline exit site

D. Camboni, Regensburg; B. Floerchinger, Regensburg; S. Hirt, Regensburg; R. Tandler, Erlangen; L. Rupprecht, Regensburg; M. Weyand, Erlangen; C. Schmid, Regensburg

11:00

Thromboembolic complications after left ventricular assist device implantation is associated with platelet activation as measured via the platelet activity state assay
L. Valerio, Milan; F. Consolo, Milan; M. De Bonis, Milan; D. Bluestein, Stony Brook; P. Tran, Tucson; M. Slepian, Tucson; A. Redaelli, Milan; F. Pappalardo, Milan

11:09

Low-dose intravenous thrombolytic therapy for pump thrombus formation in patients with continuous flow left ventricular assist device

K. Dimitrov; T. Schlöglhofer; J. Riebandt; T. Haberl; D. Wiedemann; H. Schima; G. Laufer; D. Zimpfer, Vienna

11:18

Acquired Von Willebrand syndrome in patients on long-term support with HeartMate II
U. Geisen; C. Benk; F. Beyersdorf; G. Trummer; M. Berchtold-Herz; B. Zieger; C. Hellmann, Freiburg

11:27

Telemonitoring anticoagulative treatment in ventricular assist device patients

S. Eifert; A. Meyer; S. Lehmann; J. Fischer; A. Oberbach; E. Langenstroth; F. Mohr; J. Garbade, Leipzig

11:36

Primary biventricular assist device implantation: Rebirth of a lost procedure?

K. Stroeh; T. Pöttinger; C. Grinninger; U. Grabmaier; U. Wilbert-Lampen; B. Meiser; C. Hagl; R. Schramm, Munich

10:15-11:45 Abstract Session

G109

Basic science 1

Moderators: H. J. Ankersmit, Vienna; D. J. Chambers, London

10:15

Heterotopic transplantation of decellularized heart in a large animal model

H. Kitahara; H. Yagi; K. Tajima; K. Okamoto; A. Yoshitake; Y. Kitagawa; H. Shimizu, Tokyo

Discussant: A. Kocher, Vienna

10:30

Control-releasing hydrogen sulfide system based on mesoporous silica nanoparticles to protect ischemia/reperfusion-induced cell damage

W. Wang; X. Sun; H. Tao; C. Guo; C. Wang, Shanghai

Discussant: D. Chambers, London

10:45

The extracellular isoform of superoxide dismutase has a significant impact on cardiovascular ischemia and reperfusion injury during cardiopulmonary bypass and hypoxia

M. Immohr; A. Pinto; A. Jahn; A. Lichtenberg; U. Boeken; P. Akhyari, Düsseldorf

Discussant: M. Thielmann, Essen

11:00

Shock wave therapy causes increased macrophage recruitment and enhances M2 polarisation

J. Hofeld; C. Tepeköylü; C. Reissig; D. Lobenwein; B. Scheller; E. Kirchmair; R. Kozaryn; K. Albrecht-Schgoer, Innsbruck

Discussant: A. Moritz, Frankfurt

11:15

Wilms' tumour suppressor 1 protein expression: Predictive for future aortopathy in patients with bicuspid aortic valve?

N. Grewal, Leiden; M. Goumans, Leiden; M. Deruiter, Leiden; R. Klautz, Leiden; R. Poelmann, Leiden; B. Mulder, Amsterdam; A. Bogers, Rotterdam; A. Gittenberger-De Groot, Leiden

Discussant: G. Lanzillo, Novara

10:15-11:45 Training in Research Session

F003

All you need to know for your next research project

Moderators: F. Beyersdorf, Freiburg; G. A. Patterson, St Louis

Learning objectives:

Learn how to write abstracts and papers and get them accepted.

The role of funding in research and how to apply.

10:15

How to get your abstract accepted for a meeting

F. Beyersdorf, Freiburg

10:27

Question and answer – discussion

10:37

What (not) to do when preparing your manuscript

G. A. Patterson, St Louis

10:49

Question and answer – discussion

10:59

Moving up the ladder: Performing a peer-review

M. Turina, Zurich

11:11

Question and answer – discussion

11:21

Presenting your study: Making a PowerPoint presentation

A. P. Kappetein, Rotterdam

11:33

Question and answer – discussion

Meet the experts

Moderators: *E. Quintana, Barcelona; F. Kari, Freiburg; M. Siepe, Bad Krozingen*

10:15

Total thoracic aortic replacement and aortic valve replacement via clamshell thoracotomy in acute aortic arch dissection with aberrant right subclavian artery aneurysm

T. Schachner; M. Grimm, Innsbruck

10:20

Extensive aortitis and hypertrophic obstructive cardiomyopathy. Pills and watchful waiting or straight to a major surgical challenge?.

P. Albaladejo; G. Ventosa-Fernandez; B. Moscoso; J. F. Encalada; M. Ascaso; M. Masanet; M. Napoleone; M. Castella, Barcelona

10:25

Type A aortic dissection in a 11 month old vascular type Ehlers-Danlos patient

R. Cantatore, Naples; G. Santoro, Naples; G. Capozzi, Naples; G. Rossi, Naples; M. Marino, Naples; M. Russo, Naples; G. Oppido, Bologna

10:30

Aortic and mitral valve reconstruction three cases

M. Misfeld, Leipzig; O. Alfieri, Milan; G. El Khoury, Brussels; V. Falk, Berlin

11:00

Challenging endocarditis: mitro-aortic and intervalvular fibrous body involvement with mitral annulus calcification

G. Ventosa-Fernandez; P. Albaladejo; B. Moscoso; J. F. Encalada; M. Ascaso; M. Masanet; C. Barriuso; M. Castella, Barcelona

11:05

Extracardiac valved conduit for calcific mitral stenosis

J. Van Meeteren; H. Schaff, Rochester

11:10

Homograft replacement in aorto-ventricular discontinuity in septic prosthetic valve endocarditis: A case report

E. M. Delmo Walter, Berlin; J. Krülls-Münch, Cottbus; D. Fritzsche, Cottbus; B. Hartmann, Berlin; A. Ekkernkamp, Berlin; R. Hetzer, Cottbus

11:15

Complex aortic disease three cases

M. Grabenwöger, Vienna; D. Pacini, Bologna

EACTS Cardio-Thoracic Masters – Jeopardy

The European Association for Cardio-Thoracic Surgery (EACTS) will hold its first Cardiothoracic Surgery Resident 'Jeopardy' Competition during the 29th EACTS Annual Meeting. Six two-person teams from residency programs throughout Europe will compete in three rounds of live Jeopardy. The teams with the highest scores from the first two rounds will compete against each other in the final round. The winning team of the final round will be designated the European 2015 Resident Jeopardy Winners!

Endoscopic port access mitral valve repair

See page 46 for programme details.

The power of surgery

M. Grabenwöger, Vienna

Cardiothoracic Surgery Residents - where do we come from and where are we heading

Moderators: P. Sardari Nia, Maastricht; F. Emrich, Leipzig

12:45

Cardiothoracic surgery residency back in the days, or what made me a good surgeon?

J. Pomar, Barcelona

13:00

Cardiothoracic surgery residency today – the Surgical Training & Manpower committee and its activities

P. Sardari Nia, Maastricht

13:15

National residents associations – what they do and what they need - Association des Jeunes Chirurgiens Cardio-Thoracique et Vasculaire

C. David, BREST

13:20

Resident's association for cardio-thoracic surgery in the Netherlands

R. De Lind Van Wijngaarden, Rotterdam

13:25

Young Swiss Cardiac Surgeons Club

D. Reser, Zürich

13:30

Young Chapter of the German Society of Thoracic and Cardiovascular Surgery

M. Luehr, Leipzig

13:35

Society for Cardiothoracic Surgery in Great Britain and Ireland

J. Afoke, London

13:40

Brainstorming and Discussion

Coronary artery bypass graft is on the rise, don't give it up

Moderators: A. Wahba, Trondheim; T. Gudbjartsson, Reykjavik; E. Stahle, Uppsala

Learning objectives:

To discuss the upcoming role of surgery in myocardial revascularization supported by fifty years evidence and ESC-EACTS 2014 Guidelines.

How to get better surgical outcomes.

14:15

Debate: All patients should have all arterial grafting

D. Glineur, Brussels

14:30

Debate: Some patients should have all arterial grafting

S. Head, Rotterdam

14:45

External vein support: Myth or reality?

M. Genoni, Zurich

15:00

Residual coronary artery disease after primary percutaneous coronary intervention

A. Gershlick, Leicester

15:15

Cardiac surgery in patients with recent percutaneous coronary intervention

M. Sousa Uva, Lisbon

15:30

Functional versus anatomical revascularization

F. Casselman, Aalst

14:15-15:45 Abstract Session

Future of sutureless valves

Moderators: J. Seeburger, Leipzig; A. Kaya, Amsterdam; B. Meuris, Leuven

Learning objectives:

To understand the advantages and drawbacks of sutureless valves.

14:15

Benefits of rapid deployment aortic valve replacement via a minimally invasive approach: One year results of a prospective multicentre randomised controlled trial

M. Borger, Leipzig; H. Reichenspurner, Hamburg; H. Treede, Hamburg; C. Knosalla, Berlin; T. Doenst, Jena; M. Richter, Jena; D. Holzhey, Leipzig; J. Strauch, Bochum

Discussant: G. Weiss, Vienna

14:30

Conventional versus rapid deployment aortic valve replacement: A single centre comparison between the Edwards Magna valve and its rapid deployment successor

M. Andreas; S. Wallner; A. Haberbauer; T. Binder; R. Rosenhek; D. Wiedemann; A. Kocher; G. Laufer, Vienna

Discussant: M. Vola, St Etienne

14:45

Sutureless versus conventional stented bioprosthesis. Meta-analysis of postoperative mortality and morbidity in isolated aortic valve replacement

M. Meco; E. Giustiniano; P. Panisi; S. Cirri; A. Miceli; M. Ferrarini; M. Glauber, Milan

Discussant: G. Dellgren, Gothenburg

15:00

Management of small aortic annulus in the era of sutureless aortic valve replacement

A. Ghoneim; I. Bouhout; M. Francispillai; P. Noly; A. Mazine; M. Pellerin; D. Bouchard; P. Demers, Montreal

Discussant: M. Glauber, Milan

15:15

Can sutureless and device mediated surgery reduce operative time in surgical aortic valve replacement?

B. Langhammer; M. Nucera; L. Englberger; E. Roost; D. Reineke; F. Schoenhoff; T. Carrel; C. Huber, Berne

Discussant: F. Mohr, Leipzig

15:30

Aortic valve replacement with sutureless prosthesis: Better than root enlargement to avoid patient-prosthesis mismatch?

E. Beckmann; A. Martens; F. Alhadi; K. Hoeffler; S. Sarikouch; N. Koigeldiev; A. Haverich; M. Shrestha, Hannover

Discussant: E. Quintana, Barcelona

14:15-15:45 Abstract Session

G104+G105

Challenges in surgical aortic valve replacement

Moderators: R. Sádaba, Gorraiz; G. Gerosa, Padua

Learning objectives:

Challenges and pitfalls during aortic valve surgery.

Outcomes of aortic valve replacement in patients with anatomic and physiologic complicating factors.

14:15

Aortic prosthesis-patient mismatch halts regression of secondary mitral regurgitation after isolated aortic valve replacement: six-year follow-up analysis

E. Angeloni; G. Melina; S. Refice; F. Capuano; A. Roscitano; C. Comito; R. Sinatra, Rome

Discussant: M. Moon, St Louis

14:30

Combined ascending aorta replacement under circulatory arrest for severe aortic calcification in patients with aortic stenosis

H. W. Chang; Y. H. Cho; D. S. Jeong; K. Sung; W. S. Kim; Y. T. Lee; P. W. Park, Seoul

Discussant: S. Westaby, Oxford

14:45

Global longitudinal strain for prediction of left ventricular mass regression and clinical outcomes in patients with aortic prosthesis-patient mismatch

J. Hu; E. Y. Zhang, Chengdu

Discussant: G. Gerosa, Padua

15:00

Long-term follow-up of patients submitted to aortic root enlargement

P. Correia; G. Coutinho; C. Branco; M. Antunes, Coimbra

Discussant: T. Folliguet, Vandoeuvre les Nancy

15:15

Medtronic freestyle aortic bioprosthesis: A potential option for haemodialysis patients

Y. Y. Hegazy, Lahr; A. Rayan, Alexandria; R. Sodian, Lahr; W. Hassanein, Alexandria;

S. Bauer, Lahr; J. Ennker, Lahr

Discussant: A. Kaya, Amsterdam

15:30

Low- flow low- gradient aortic stenosis: surgical outcomes and midterm results

A. Lopez, Cardiff; A. Youhana, Swansea; S. Ashraf, Swansea; A. Zaidi, Swansea; F. Bhatti, Swansea; P. Kumar, Swansea

Discussant: A. De Souza, London

14:15-15:45 Focus Session

E104+E105

Transcatheter aortic valve implantation: Current and future perspectives

Moderators: N. Van Mieghem, Rotterdam; H. Reichenspurner, Hamburg

14:15

Will the latest evidence change the way we treat severe aortic stenosis?

O. Wendler, London

14:30

Redo patients: Why transcatheter aortic valve implantation is a good option

J. Kempfert, Bad Nauheim

14:45

Aortic and mitral degenerated bioprostheses

L. Conradi, Hamburg

15:00

The Transaortic 'ROUTE': Why is it another good option for the cardiac surgeon?

M. Romano, Massy

15:15

Do it still make sense to consider severe AS high-risk patients to surgery? Yes, why?

T. Modine, Lille

15:20

Do it still make sense to consider severe AS high-risk patients to surgery? No, why?

N. Van Mieghem, Rotterdam

15:25

Discussion

15:30

Wrap-up

H. Reichenspurner, Hamburg

Infectious problems

Moderators: *M. J. Antunes, Coimbra; M. Zembala, Tarnowskie Góry*

Learning objectives:

To understand difficult infectious problems in cardiac surgery. Preventive measures and technical solutions will be discussed.

14:15

A diagnostic puzzle: The Chimera story

V. Falk, Berlin

14:30

Diagnosis and timing for intervention in endocarditis

P. Tornos, Barcelona

14:45

Detection methods for prosthetic graft infection in cardiac surgery

S. Chamuleau, Utrecht

15:00

How to handle aortic stent graft infections

E. Girdauskas, Bad Berka

15:15

The ideal material for the replacement of infected grafts and valves

J. Pepper, London

15:30

If the aorto-mitral continuity is lost ...

M. Borger, Leipzig

14:15-15:45 Abstract Session

Basic science 2

Moderators: *A. Haverich, Hannover; D. Mercogliano, Alessandria*

14:15

The cardiomy reservoir – a new cell source for cardiovascular tissue engineering

S. Nathusius; F. König; F. Born; R. Sodjan; C. Hagl; N. Thierfelder, Munich

Discussant: M. Grimm, Innsbruck

14:30

Determination of acute kidney injury by neutrophil gelatinase-associated lipocalin and cystatin C in serum offers precise and prompt identification of patients at risk of prolonged manifest kidney dysfunction after heart operations using cardiopulmonary bypass

J. Kalisnik, Ljubljana; E. Hrovat, Ljubljana; A. Jerin, Ljubljana; J. Zibert, Ljubljana;

G. Santarpino, Nuremberg; M. Skitek, Ljubljana; T. Klokocovnik, Ljubljana

Discussant: H. J. Ankersmit, Vienna

14:45

Observation of retinal vessels during intermittent pressure augmented–retrograde cerebral perfusion in clinical cases.

H. Endo, Tokyo; H. Ishii, Mitaka-shi; H. Tsuchiya, Mitaka-shi; Y. Takahashi, Mitaka-shi;

Y. Nishino, Mitaka-shi; H. Kubota, Mitaka-shi

Discussant: J. Bachet, Nogent sur Marne

15:00

Intraoperative blood transfusions increase circulating plasma free-haemoglobin levels and plasma nitric oxide consumption impairing endothelium-dependent vasodilatation during coronary artery bypass graft surgery

A. Rungtatscher, Verona; E. Milani, Verona; C. Covajes, Verona; M. Tessari, Verona; S. Hallström, Graz; L. Gottin, Verona; G. Guidi, Verona; G. Faggian, Verona

Discussant: A. Ahlsson, Örebro

15:15

Challenges in developing a reseeded, tissue engineered aortic valve prosthesis

A. Hof, Kaarst; S. Raschke, Düsseldorf; K. Baier, Düsseldorf; L. Nehrenheim, Düsseldorf; J. Selig, Düsseldorf; A. Lichtenberg, Düsseldorf; H. Meyer, Hannover; P. Akhyari, Düsseldorf

Discussant: A. Haverich, Hannover

15:30

Longer coronary anastomosis provides better haemodynamics in coronary artery bypass grafting

H. Tsukui, Shinjuku; M. Shinke, Tokyo; Y. K. Park, Fukushima; K. Yamazaki, Tokyo

Discussant: J Coselli, Houston

14:15-15:45 Focus Session

G109

Joint Session EACTS SBCCV PASCATS – Cardio-Thoracic surgery

Moderators: C. Yankah, Berlin; C. A. Mestres, Abu Dhabi

14:15

Standards in cardio-thoracic surgery training

F. Smit, Bloemfontein

14:30

Penetrating cardiovascular injuries

D. Reddy, Durban

14:45

Patterns of esophageal injuries and management in West Africa. Mid-term results

M. Tettey, Accra

15:00

Preconditioning and perfusion techniques in patients with sickle cell hemoglobinopathy

Z. Al Halees, Riyadh

15:15

Adults with congenital heart diseases: The surgical challenges

14:15-15:45 Focus Session

Emerald Room

Pro and cons debates

Moderators: L. Careddu, Bologna; I. Ilonen, Helsinki

14:15

Extracorporeal life support for octogenarians – pro

M. Larsson, Stockholm

14:26

Extracorporeal life support for octogenarians – con

J. Maessen, Maastricht

14:37

Aortic valve repair for bicuspid valve – pro

G. El Khoury, Brussels

14:48

Aortic valve repair for bicuspid valve – con

W. Morshuis, Nieuwegein

14:59

Coronary artery bypass graft in infarction – pro

W. Wijns, Aalst

15:10

Coronary artery bypass graft in infarction – con

J. L. Pomar, Barcelona

15:21

Minimally invasive extensive resection – pro

D. Gonzalez, Coruña

15:32

Minimally invasive extensive resection – con

P. Van Schil, Edegem

14:15-15:45 Training in Research Session

F003

All you need to know for your next research project – part II

Moderators: T. H. Aberg, Uppsala; M. C. Wyler Von Ballmoos, Milwaukee

Learning objectives:

Learn how to write abstracts and papers and get them accepted.

The role of funding in research and how to apply.

14:15 Innovation: The compromises of commercially funded research

J. Pepper, London

14:27

Question and answer – discussion

14:37

Choosing what to write about ... It's not easy

B. Rylski, Freiburg

14:49

Question and answer – discussion

14:59

How to get funding for your research project

M. Emmert, Zurich

15:11

Question and answer – discussion

15:21

Symbiosis in cardiothoracic surgery

J. McKenna, Inchinnan

15:33

Question and answer – discussion

The two faces of arterial revascularisation

Moderators: *T. Kieser, Calgary; B. Buxton, Victoria*

Learning objectives:

The choice of conduits for revascularisation.

Sternal wound complication.

Risk management.

16:00

Getting older and older: Is it possible to identify an age at which total arterial revascularization becomes futile?

J. J. Andreasen, Aalborg

16:15

Is a third arterial conduit necessary? Comparison of the radial artery and saphenous vein in patients receiving bilateral internal thoracic artery grafting for triple vessel coronary disease

W. Shi; J. Tatoulis; A. Newcomb; P. Hayward; J. Fuller; A. Rosalion; B. Buxton, Melbourne

Discussant: D. Glineur, Ottawa

16:30

Efficacy of multiple arterial coronary bypass grafts for diabetes patients

A. Yamaguchi; N. Kimura; S. Itoh; K. Adachi; K. Yuri; H. Okamura; H. Adachi, Saitama

Discussant: T. Folliguet, Vandoeuvre les Nancy

16:45

Long term effects of multiple arterial grafts in coronary artery bypass graft patients in the current era of an obesity epidemic

T. Schwann, Toldeo; L. Al-Shaar, Beirut; A. Kabour, Toldeo; M. Engoren, Ann Arbor;

M. Bonnell, Toldeo; R. Habib, Beirut

Discussant: G. Bolotin, Haifa

17:00

Bilateral mammary artery grafting increases post-operative mediastinitis without survival benefit in obese patients

P. Voisine; E. Ruka, Quebec

Discussant: N. Al Attar, Glasgow

17:15

Excellent results of arterial revascularization with low wound complications

T. Kieser, Calgary

Transcatheter mitral valve replacement: New valves and experiences

Moderators: *V. Falk, Berlin; R. Klautz, Leiden, T. Modine, Lille; N. Van Mieghem, Rotterdam*

16:00

Overview: Defining the clinical problem and challenges

T. Walther, Bad Nauheim

16:10

Experience with the CardiaQ valve
N. Van Mieghem, Rotterdam

16:20

Experience with the Tendyne valve
N. Moat, London

16:30

Experience with the Neovasc/ TIARA valve
Danny Dvir, Toronto,

16:40

Experience with the Highlife valve
R. Lange, Munich

16:50

The trans-atrial approach project mitral project:
H. Treede, Hamburg

17:00

Percutaneous mitral plasty techniques
JF Obadia, Lyon

17:10

What have we learned from initial experiences
V. Bapat, London

17:20

The road ahead?
T. Modine, Lille

17:25

Wrap-up and key learnings
V. Falk, Berlin

16:00-17:30 Focus Session

E104+E105

Fast-Track management

Moderators: S. Westaby, Oxford; D. Pereda, Barcelona; J. Yared, Cleveland

Learning objectives:

Understand the different components of fast track management including patient selection, anaesthesia, temperature management, pain control, necessary infrastructural requirements and economic implications.

16:00

Why do we need to deal with this topic?
J. Yared, Cleveland

16:05

Selection of patients
V. Delgado, Leiden

16:13

Discussion

16:18

Anesthesia aspects to keep in mind
M. Ranucci, Milan

16:26

Discussion

16:31

The surgical changes to allow fast recovery

C. Young, London

16:41

Discussion

16:46

New surgical approaches are facilitating fast track?

H. Kehlet, Copenhagen

17:01

Logistics and infrastructure resources you need to have a fast-track programme

S. Westaby, Oxford

17:09

Rapid deploying aortic valves: Is this the key?

R. Pessotto, Edinburgh

17:24

General discussion

17:29

Financial implications of fast track

J. Ender, Leipzig

17:39

Discussion and wrap-up

16:00-17:30 Abstract Session

E106+E107

Results of Ross procedures and homografts in aortic surgery

Moderators: C. Knosalla, Berlin; U. Rosendahl, London

Learning objectives:

Learn about outcomes of Ross and homografts procedures.

16:00

The Ross procedure: Current state and its future

H. Sievers, Luebeck

16:15

Results of the Ross procedure in adults: A sixteen-year single-centre experience

A. Bogachev-Prokopyev; R. Shariphulin; I. Demin; S. Zheleznev; A. Karaskov, Novosibirsk

Discussant: J. Pepper, London

16:30

Is the Ross procedure a riskier operation? Perioperative outcome comparison with mechanical aortic valve replacement in a propensity-matched cohort

P. Noly; I. Bouhout; L. Stevens; R. Cartier; N. Poirier; I. El-Hamamsy, Montreal

Discussant: U. Franke, Stuttgart

16:45

Decellularised homografts for aortic valve and aorta ascendens replacement
*I. Tudorache; A. Horke; S. Sarikouch; P. Beerbaum; M. Westhoff-Bleck; D. Boethig;
A. Haverich; S. Cebotari, Hannover*
Discussant: M. Hazekamp, Leiden

17:00

Is there still a place for homografts in elective aortic procedures?
J. Pepper, London

16:00-17:30 Focus Session

G109

Joint Session EACTS SBCCV PASCATs – Cardiac surgery in the emerging economies: The evolving management strategies

Moderators: M. J. Antunes, Coimbra; W. J. Gomes, São Paulo

16:00

Outcomes of juvenile rheumatic mitral valve repair in endemic regions
M. Antunes, Coimbra

16:15

Long-term clinical results of mechanical valve replacement versus Ross operation in children and adolescents in Saudi Arabia
Z. Al Halees, Riyadh

16:30

Transcatheter aortic valve implantation: Challenging novel management strategies in the emerging economies

16:45

Surgical options for end-stage cardiomyopathies in Africa
W. Koen, Johannesburg

17:00

Round-table – sustainable cardiac programs in 2030: A dream or a reality? A concept for a north-south and south-south cooperation in cardiovascular surgery

16:00-17:30 Live-heart-team of complex pathologies

Emerald Room

Moderators: P. Sardari Nia, Maastricht

16:00 Cardiologists

P. Serruys, Rotterdam; J. Hoorntje, Maastricht

16:45 Surgeons

J. L. Pomar, Barcelona; O. Alfieri, Milan; A. P. Kappetein, Rotterdam

Cases being presented and discussed between cardiologists and cardiac surgeons

How to statistically analyse your next research project

Moderators: G. Hickey, Liverpool; J. J. M. Takkenberg, Rotterdam

Learning objectives:

Learning more about statistics.

Interpreting study results.

16:00

Basic statistical analyses: Dos and don'ts

J. Tijssen, Amsterdam

16:10

Question and answer – discussion

16:15

Making a risk model or testing predictability

D. Van Klaveren, Rotterdam

16:25

Question and answer – discussion

16:30

Propensity-matched analysis: What am I doing?

M. Mokhles, Rotterdam

16:35

Question and answer – discussion

16:40

All you need to know on the art of meta-analysis

R. Osnabrugge, Rotterdam

16:50

Question and answer – discussion

16:55

Designs and pitfalls of randomised trials

S. Head, Rotterdam

17:05

Question and answer – discussion

17:10

Everything you need to know about cost-effectiveness analyses

17:20

S. Arnold, Kansas City

Less invasive procedures for complex patients

Moderators: *Filip Casselman, Aalst; A. Colli, Padua; M. Mack, Plano; Leen van Garsse, Nijmegen*

Learning objectives:

To learn about novel procedures available to treat complex cardiac disease in the operating room and the cathlab

Timings in this session are subject to change depending on live surgery

08:15

When is CABG clearly superior

M. Moon, St Louis

08:25

Discussion

08:35

The clinical effect of prosthesis-patient mismatch after transcatheter versus surgical aortic valve replacement in all-comers patients with severe aortic valve stenosis

H. G. Thyregod¹, D. Steinbrüchel¹, A. Ngo¹, N. Ihlemann¹, H. Nissen², Y. Chang³, P. Olsen¹, L. Søndergaard¹; ¹Copenhagen ²Odense ³Mounds View

Discussant: R. Lange, Munich

08:50

Is hybrid revascularization the answer to increase use of PCI, who is eligible?

F. Casselman, Aalst

09:00

Discussion

09:10

Live procedure: PCI with left ventricular assist device

N. van Mieghem, Rotterdam,

09:40

Discussion

09:45

Break

10:15

Improving outcomes: case-matched comparison of novel second generation versus first generation self-expandable transcatheter heart valves

A. Schaefer¹, H. Treede², F. Deuschl¹, N. Schofer¹, S. Blankenberg¹, H. Reichenspurner¹, U. Schaefer¹, L. Conradi¹; ¹Hamburg, ²Halle

Discussant: tba

10:30

Surgical step-by-step approach for the neochord procedure

A. Colli, Padua

10:40

Discussion

10:50

Why and when to choose for surgical femoral access

Leen van Garsse, Nijmegen

11:00

Functional anatomy of the cardiac conduction: 'and the beat goes on'...

Y. Tavernier, Rotterdam

11.10

Discussion

11:20

Live case: TAVI with new vascular closure device

N. Van Mieghem, Rotterdam, P. DeJaegere, F. Oei

11:40

Discussion

08:15-09:45 Focus Session

Forum

Current challenges for extracorporeal life support

Moderators: P. Leprince, Paris; T. Krabatsch, Berlin

Learning objectives:

Expanding indications.

Providing a centralised service

08:15

Designing a regional extracorporeal life support service

D. Dosreis Miranda, Rotterdam

08:30

Shifting admission source and discharge disposition among adult extracorporeal membrane oxygenation patients in the United States from 2003-2012

K. McDermott; F. McCarthy; A. Hoedt; P. Atluri; D. Spragan; W. Szeto; M. Acker; N. Desai, Philadelphia

Discussant: D. Camboni, Regensburg

08:45

The outcome of patients requiring multiple extracorporeal membrane oxygenation

Y. Chen; C. Wang; T. Chang; S. Huang; N. Chi; N. Chou, Taipei

Discussant: G. Trummer, Freiburg

09:00

State of neurological outcome after twenty minutes of circulatory arrest using controlled integrated reperfusion of the whole body

I. Taunyane; G. Trummer; K. Foerster; C. Benk; K. Wittmann; S. Doostkam; C. Heilmann; F. Beyersdorf, Freiburg

Discussant: C. Hagl, Munich

09:05

Profound accidental hypothermia – systematic approach to active recognition and treatment

A. Jarosz, Krakow; T. Darocha, Krakow; S. Kosiński, Zakopane; R. Galęzkowski, Warsaw; H. Hymczak, Krakow; R. Drwila, Krakow

Discussant: H. Tevaearai, Berne

09:20

The future of extracorporeal life support

F. Beyersdorf, Freiburg

Native and prosthetic valve endocarditis: An update

Moderators: *F. Bakhtiary, Leipzig; M. J. Antunes, Coimbra*

Learning objectives:

New techniques for surgical treatment of valve endocarditis.

Long-term results of surgical treatment of valve endocarditis.

08:15

The modified 'Cabrol technique' for aortic root replacement in patients with severe destructive aortic and mitral valve endocarditis

M. Vollroth, C. D. Etz, M. Amer, O. Akhavuz, F. Mohr, F. Bakhtiary; Leipzig (Germany)

Discussant: T. Modine, Lille

08:30

Over twenty-year experience with aortic homograft in aortic valve replacement during infective endocarditis

S. Solari; S. Mastrobuoni; L. De Kerchove; E. Navarra; P. Astarci; P. Noirhomme; J. Rubay; G. El Khoury, Brussels

Discussant: M. Musci, Berlin

08:45

Stentless bioprostheses: A versatile and durable solution in extensive aortic valve endocarditis

A. Schneider; J. Braun; M. Hazekamp; M. Versteegh; R. Klautz, Leiden

Discussant: T. Walther, Bad Nauheim

09:00

Surgery for prosthetic valve endocarditis: Interrelations between morbidity, mortality and costs

H. Grubitzsch; T. Christ; C. Melzer; M. Kastrup; S. Treskatsch; W. Konertz, Berlin

Discussant: T. Folliguet, Vandoeuvre les Nancy

Benefits and rationale of using the sorin freedom stentless aortic prosthesis in cases of acute bacterial endocarditis

G. Stefanelli; F. Pirro; D. Trevisan; B. Campisano; M. Meli, Modena

Discussant: R. Sádaba, Pamplona

09:30

Optimal timing of surgery for active infectious endocarditis with cerebral complications: Japanese multi-centre study

Y. Okita, Kobe; K. Minakata, Kyoto; S. Yasuno, Kyoto; T. Sato, Kyoto; K. Ueshima, Kyoto; N. Morita, Suita; M. Harada, Tokushima; J. Kobayashi, Osaka

Discussant: M. Borger, New York

08:15-09:45 Focus Session

Aortic valve disease and heart failure: How do they connect?

Moderators: *A. F. P. Charpentier, Luxembourg; M. Ruel, Ottawa*

08:15

Impact of aortic valve replacement on heart failure management?

M. Ruel, Ottawa

08:30

The use of biomarkers in the patient with heart failure; what do they tell us?

I. Kardys, Rotterdam

08:45

Assessment of valve haemodynamics, reverse ventricular remodelling and myocardial fibrosis following aortic valve implantation. Do we improve outcome?

K. Nieman, Rotterdam

09:00

Impact of New York Heart Association classification, advanced age and patient-prosthesis mismatch on outcomes in aortic valve replacement surgery

J. Grau, Ridgewood

09:15

The relationship between myocardial fibrosis and pro-fibrotic markers in end-stage heart failure; can they predict outcome?

S. Lok, Utrecht

09:30

Is it worth performing an aortic valve replacement in patients with low gradient severe aortic stenosis and poor left ventricular function with no contractile reserve?

G. Tsang, Southampton

08:15-09:45 Abstract Session

E106+E107

Revisiting the tricuspid valve

Moderators: O. Alfieri, Milan; J. Seeburger, Leipzig

Learning objectives:

Optimal strategies for repair and replacement of the tricuspid valve.

The question of timing: Too early or too late.

08:15

Long term echocardiographic follow-up of untreated mild or greater tricuspid regurgitation in patients undergoing mitral valve surgery

K. Kusajima, Sapporo; T. Fujita, Suita; H. Hata, Osaka; Y. Shimahara, Osaka; J. Kobayashi, Osaka

Discussant: M. De Bonis, Milan

08:30

Midterm results of leaflet augmentation in severe tricuspid functional regurgitation

M. Pettinari; H. Gutermann; C. Van Kerrebroeck; S. Sainte; E. Kulmane; R. Dion, Genk

Discussant: R. Klautz, Leiden

08:45

New technique of tricuspid valve repair due to infective endocarditis and midterm results.

R. Amiraghov; R. Muratov; D. Britikov; S. Banbenko; L. Bockeria, Moscow

Discussant: P. Perier, Bad Neustadt/Saale

09:00

Carcinoid heart disease: Optimised outcomes using standardised surgical techniques and a multidisciplinary approach

M. Silaschi, Hamburg; J. Barr, London; M. Baghai, London; R. Deshpande, London;

O. Wendler, London

Discussant: tba

09:15

Outcomes of tricuspid valve replacement: A meta-analysis

E. Angeloni; G. Melina; S. Refice; A. Roscitano; F. Capuano; C. Comito; R. Sinatra, Rome
Discussant: J. J. M. Takkenberg, Rotterdam

09:30

Should less than severe tricuspid regurgitation be treated during mitral valve repair

M. De Bonis, Milan

08:15-09:45 Abstract Rapid Response Session

E102

How to perform an effective surgical atrial fibrillation ablation

Moderators: N. Doll, Stuttgart; M. La Meir, Brussels; A. Pozzoli, Milan

Learning objectives:

Different surgical approaches and techniques for atrial fibrillation.

Rate of atrial fibrillation recurrence and stroke.

08:15

Five year success of the minimally invasive stand-alone Cox Maze procedure for non-paroxysmal atrial fibrillation

N. Ad; S. Holmes; D. Lamont; P. Massimiano, Falls Church

08:24

Identifying postoperative atrial fibrillation in cardiac surgical patients post-hospital discharge, using iPhone electrocardiogram

N. Lowres; G. Mulcahy; S. B. Freedman; R. Gallagher; A. Kirkness; D. Marshman; J. Orchard; L. Neubeck, Sydney

08:33

Total endoscopic ablation for patients with longstanding persistent atrial fibrillation – a randomised controlled trial

E. Fengsrud, Örebro; A. Wickbom, Örebro; H. Almroth, Örebro; A. Englund, Stockholm; A. Ahlsson, Örebro

08:42

The pressure effect of bipolar radio-frequency clamps for treatment of atrial fibrillation

J. Varzaly; D. Chapman; D. Lau; F. Viana; R. Stuklis; J. Edwards; P. Sanders; M. Worthington, Adelaide

08:51

Long-term results of concomitant surgical ablation for atrial fibrillation

S. Pecha; S. Ghandili; S. Hakmi; S. Willems; H. Reichenspurner; F. Wagner, Hamburg

09:00

Polis registry of the totally thoracoscopic ablation for persistent and long-standing persistent lone atrial fibrillation.

M. Zembala, Zabrze; A. Witkowska, Warsaw; G. Suwalski, Warsaw; G. Filipiak, Zabrze; O. Kowalski, Zabrze; D. Kosior, Warsaw; M. Zembala, Tamowskie Góry; P. Suwalski, Warsaw

09:09

Epicardial, biatrial ablation with integrated uni-bipolar radiofrequency technology in patients with stand-alone persistent-long standing persistent atrial fibrillation: Mid-term rhythm outcome

C. Muneretto, Brescia; G. Bisleri, Brescia; F. Rosati, Brescia; A. Curnis, Brescia; L. Bontempì, Brescia; E. Merati, Brescia; M. Moltrasio, Milan; G. Polvani, Milan

09:18

Left atrial appendage exclusion to prevent cerebrovascular events during surgical ablation of atrial fibrillation: is it worthwhile?

G. Coppola; A. Pozzoli; A. Fumero; I. Giambuzzi; G. Di Giannaurio; G. La Canna; S. Benussi; O. Alfieri, Milan

09:27

Long-term results of left atrial ablation with bipolar radiofrequency for persistent atrial fibrillation concomitant to mitral valve surgery

A. Pozzoli; S. Benussi; A. Fumero; G. Coppola; I. Giambuzzi; M. Kamami; G. La Canna; O. Alfieri, Milan

09:36

Atrial fibrillation incidence during the first post- coronary arterial bypass graft year determined by Reveal XT

E. Rodriguez; N. Shah; M. Tedder; D. Glassford; C. Ramaiah, Nashville

08:15-09:45 Training in Research Session

F003

A summary of essentials for your next research project

Moderators: S. Head, Rotterdam; M. Turina, Zurich

Learning objectives:

Learn how to write abstracts and papers and get them accepted.

Learning more about statistics and interpreting study result.

08:15

Moving up the ladder: Performing a peer-review

M. Turina, Zurich

08:24

Question and answer – discussion

08:30

Choosing what to write about ... It's not easy

B. Rylski, Freiburg

08:39

Question and answer – discussion

08:45

How to get your abstract accepted for a meeting

F. Beyersdorf, Freiburg

08:54

Question and answer – discussion

09:00

Presenting your study: Making a power point presentation

A. P. Kappetein, Rotterdam

09:09

Question and answer – discussion

09:15

Propensity-matched analysis: What am I doing?

M. Mokhles, Rotterdam

09:24

Question and answer – discussion

09:30

A summary of what have we learned these two days

S. Head, Rotterdam

09:40

Question and answer – discussion

10:15-11:45 Focus Session

Forum

Acute extracorporeal support and mechanical circulatory assist

Moderators: G. Gerosa, Padua; A. Ranasinghe, Birmingham; E. Quintana, Barcelona

Learning objectives:

To enhance your knowledge and familiarise with a wider indication of the more recent mechanical resources to improve outcomes of end stage heart failure patients.

10:15

Will extracorporeal life support replace intra-aortic balloon pump?

M. Siepe, Freiburg

10:30

EUROMACS, outcomes and growth, second annual report

T. De By, Berlin

10:45

Update on latest ventricular assist device trials

J. Gummert, Bad Oeynhausen

11:00

Aortic insufficiency after left ventricular assist device implantation

T. Krabatsch, Berlin

11:15

Managing the right ventricle after left ventricular assist device implantation

S. Tsui, Cambridge

11:30

Total artificial heart – what's new? When to indicate it?

P. Leprince, Paris

10:15-11:45 Focus Session

G104+G105

Is minimally invasive cardiac surgery the present and the future of mitral valve repair?

Moderators: J. L. Pomar, Barcelona; M. Grimm, Innsbruck

Learning objectives:

Despite a wider use of minimally invasive cardiac surgery techniques, some professionals feel the future is somewhere else. Despite similar early outcomes, scientific long term evidence is missing and a deeper debate seems interesting for most heart surgeons.

10:15

A reason for debate?

J. L. Pomar, Barcelona

10:20

Debate: Classic valve surgery is superior

D. H. Adams, New York

10:30

Live-in-a-box of complex repairs

D. H. Adams, New York

10:45

Debate: Minimally invasive mitral surgery is good for all patients

P. Perier, Bad Neustadt/Saale

10:55

Live-in-a-box of complex repairs

P. Perier, Bad Neustadt/Saale

11:10

In my long experience, mid sternotomy is better

R. Haaverstad, Bergen

11:15

A trend does not mean we get the best for the patients

J. Grau, Ridgewood

11:20

Outcomes are the evidence to change the approach

V. Falk, Berlin

11:25

Is robotic surgery going to make the revolution?

D. Loulmet, New York

11:30

Teaching Minimally invasive cardiac surgery should be mandatory in current cardiovascular surgery training

D. Pereda, Barcelona

11:35

Wrap-up

M. Jahangiri, London

10:15-11:45 Focus Session

E104+E105

Perioperative complications in cardiac surgery

Moderators: H. Reichenspurner, Hamburg; A. Kocher, Vienna

Learning objectives:

Better understand the role of surgery and interventional therapies to treat patients with mitral regurgitation.

10:15

Case 1: Functional mitral regurgitation in a patient with LVEF of 30 – 40%, surgery or MitraClip?

F. Maisano, Zurich

10:30

Case 2: Case with degenerative mitral regurgitation; Surgery or MitraClip?

R. Klautz, Leiden

10:45

When is timing of intervention for mitral regurgitation too late?

O. Alfieri, Milan

11:00

Survival of transcatheter mitral valve repair compared with surgical and conservative treatment in high-surgical risk patients

M. Swaans, Nieuwegein

11:15

Prognostic role of atrial fibrillation in patients with mitral regurgitation

P. Suwalski, Warsaw

11:30

When do asymptomatic patients with mitral regurgitation need treatment?

J. Kluin, Utrecht

10:15–11:45 Abstract Session

E106+E107

Functional mitral regurgitation

Moderators: J. Obadia, Bron; J. Lamelas, Miami Beach

10:15

Is mitral valve repair preferable to replacement in ischaemic mitral regurgitation: A meta-analysis

M. Salmasi, Leicester; M. Acharya, London; S. Hubbard, Leicester; N. Humayun, Leicester; H. Vohra, London

Discussant: M. Kolowca, Rzeszow

10:30

Long-term results of mitral repair in patients with severe left ventricular dysfunction and secondary mitral regurgitation: Does the technique matter?

M. De Bonis; E. Lapenna; T. Nisi; M. Calabrese; F. Pappalardo; A. Pozzoli; G. La Canna; O. Alfieri, Milan

Discussant: R. Weisel, Toronto

10:45

Concomitant mitral valve repair for moderate ischemic mitral regurgitation: A meta-analysis of randomised trials

T. Kopjar, Zagreb; H. Gašparović, Zagreb; C. Mestres, Abu Dhabi; D. Miličić, Zagreb; B. Biočina, Zagreb

Discussant: G. El Khoury, Brussels

11:00

Optimal results immediately after MitraClip or surgical edge-to-edge for functional mitral regurgitation: Are they really stable at four years?

M. De Bonis; E. Lapenna; N. Buzzatti; G. La Canna; P. Denti; D. Schiavi; F. Pappalardo; O. Alfieri, Milan

Discussant: V. Delgado, Leiden

11:15

MitraClip repair is associated with better survival compared to heart-failure models predictions in functional mitral regurgitation

N. Buzzatti, Milan; P. Denti, Milan; D. Schiavi, Milan; L. Vicentini, Milan; M. De Bonis, Milan; G. La Canna, Milan; M. Senni, Bergamo; O. Alfieri, Milan

Discussant: R. Weisel, Toronto

11:30

Latest trials in functional mitral regurgitation: What do they teach us?

J. Braun, Leiden

10:15–11:45 Training in Research Session

F003

Clinical studies

Moderators: D. Pagano, Birmingham; U. Benedetto, London

Learning objectives:

Understand the execution and reporting of clinical studies.

Describe ethical principles and understand informed consent to protect research participants in clinical trials.

Learn how statistical tools can help you in your daily clinical practice.

10:15

What does it mean: Statistical power?

M. Wyler Von Ballmoos, Milwaukee

10:26

Question and answer – discussion

10:33

Clinical trials: The industry perspective

F. Barbieri, Maastricht

10:44

Question and answer – discussion

10:51

Tips to speed up medical ethics committee approval

Speaker: tba

11:02

Question and answer – discussion

11:09

Statistical data and reporting guidelines: Important to get your paper published

G. Hickey, Manchester

11:20

Question and answer – discussion

11:27

Statistical tools for medical decision making

J. J. M. Takkenberg, Rotterdam

11:38

Question and answer – discussion

Nightmares in cardiothoracic surgery

Moderators: *M. Scarci, Cambridge; A. P. Kappetein, Rotterdam*

10:15

Cardiac

P. Sardari Nia, Maastricht

10:40

Thoracic

D. Wood, Seattle

11:00

Cardiac

F. Mohr, Leipzig

11:25

Thoracic

J. Räsänen, Helsinki

Endoscopic port access mitral valve repair

See page 46 for programme details.

The Honoured Guest Lecture

Medical aspects in space industry

A. Kuipers, Amsterdam

Dr. André Kuipers, Astronaut and Ambassador of Earth is the first Dutchman with two space missions to his name. His second mission was the longest spaceflight in European history. In total the ESA astronaut spent 204 days in space: 11 days during mission DELTA in 2004 and 193 days during mission PromISSE.

After years of training in Houston, Moscow, Cologne, Montreal and Tokyo, a Russian Soyuz spaceship launched André and his two crew members from Russia and America on the 21st of December 2011 from Kazakhstan. Two days later he arrived at the International Space Station to live and work for six months. On board he was not only a medical doctor, scientist and flight engineer, but also handyman and ambassador for several charities. On the 1st of July 2012, André returned to Earth and landed in his space capsule in the Kazakh steppe.

Astronaut André Kuipers offers a unique look behind the scenes of international human spaceflight. He shares his story about the training, the mission and new technologies in his lecture on medical aspects in space industry.

Optimising outcomes in coronary surgery

Moderators: A. Ruusalepp, Tartu; M. Moon, St Louis; M. Ruel, Ottawa

Learning objectives:

Role of antiplatelet therapy in coronary surgery.

Composite grafting and graft assessment.

14:15

Dual antiplatelet treatment related bleeding complications in coronary artery bypass grafting

A. Tomsic; M. A. Schotborgh; J. S. Manshanden; W. W. L. Li; B. De Mol, Amsterdam

Discussant: M. Ranucci, Milan

14:30

Antiplatelet therapy post coronary artery bypass surgery: A complete survey of all cardiothoracic centres across the UK

Y. Haqzad, Beverley; A. Woods, Cottingham; M. Chaudhry, Cottingham; M. Loubani, Cottingham

Discussant: R. Ascione, Bristol

14:45

Transit time flowmetry predicts mid-term patency in coronary artery bypass grafts – suboptimal flows should warrant closer post-operative surveillance

K. Teo, Singapore; H. Jaafar, Jerudong Park; T. Chin, Jerudong Park; E. Sim, Jerudong Park

Discussant: G. Di Giammarco, Chieti

15:00

Transit-time flow measurement in composite arterial grafts and single target anastomoses in coronary bypass surgery

H. Beshir; M. Elhamami; A. Saleh; B. Ramadan, Alexandria

Discussant: A. Renzulli, Naples

15:15

Bilateral internal mammary artery grafting: in situ versus Y-graft. Similar twenty-year outcome.

A. Calafiore, Riyadh; A. Iacò, Riyadh; M. Di Mauro, Lanciano

Discussant: M. C. Wyler Von Ballmoos, Milwaukee

15:30

Bilateral internal mammary artery Y construct with multiple sequential grafting improves survival compared with bilateral internal mammary artery with additional vein grafts: ten year experience at two different institutions

D. Glineur, Brussels; Y. Etienne, Namur; R. Shaw, Rutherford; S. Papadatos, Namur; C. Kuschner, Rutherford; M. Brizzio, Rutherford; A. Zapolanski, Rutherford; J. Grau, Ridgewood

Discussant: P. Davierwala, Leipzig

Left ventricular assist device: Latest advances

Moderators: G. Gerosa, Padua; A. Ranasinghe, Birmingham; S. Tsui, Cambridge

Learning objectives:

Implementation new devices.

Strategies for peri-operative complications.

14:15

Multicentre clinical trial experience with the HeartMate III left ventricular assist device: Thirty day outcomes

D. Zimpfer, Vienna; I. Netuka, Prague; J. Schmitto, Hannover; Y. Pya, Astana; J. Garbade, Leipzig; M. Morshuis, Bad Oeynhausen; F. Beyersdorf, Freiburg; T. Krabatsch, Berlin

Discussant: A. Simon, Harefield

14:30

An examination of the HeartWare ventricular assist system Lavare cycle in clinical practice

D. Zimpfer, Vienna; J. Schmitto, Hannover; A. Fiane, Oslo; R. Larbalestier, Perth; S. Tsui, Cambridge; P. Jansz, Sydney; S. Schueler, Newcastle upon Tyne; M. Strueber, Grand Rapids

Discussant: G. Wieselthaler, San Francisco

14:45

A new technique to exclude the left ventricle with an assist device

S. Klotz; R. Meyer-Sarai; A. Frydrychowicz; M. Scharfschwerdt; L. Putman; S. Halder; H. Sievers, Luebeck

Discussant: D. Schibilsky, Tübingen

15:00

Impact of concomitant tricuspid valve repair on left ventricular assist device implantation: A propensity score analysis

Y. Li; R. Ayala; C. Benk; F. Beyersdorf; M. Berchtold-Herz; J. Kroll; M. Siepe, Freiburg

Discussant: E. Potapov, Berlin

15:15

Genetic variations of phenprocoumon metabolism in patients with ventricular assist devices

O. Krumnau; K. Brehm; F. Beyersdorf; M. Hoffmann; C. Heilmann, Freiburg

Discussant: M. Morshuis, Rotterdam

15:30

Conservative approaches for HeartWare ventricular assist system pump thrombosis may improve the outcome compared to immediate surgical approach

D. Saeed; A. Albert; B. Maxhera; T. Hoffmann; R. Westenfeld; A. Lichtenberg, Düsseldorf

Discussant: K. Brehm, Freiburg

Degenerative mitral regurgitation

Moderators: S. Livesey, Southampton; C. Huber, Berne; T. Hanke, Lübeck

14:15

Early outcomes after mitral valve repair versus replacement in the elderly: A propensity matched analysis

S. Farid; H. Povey; A. Ladwiniec; A. Ali; N. Moorjani; Y. Abu-Omar, Cambridge

Discussant: J. I. Saez De Ibarra, Palma De Mallorca

14:30

Minimally invasive mitral valve repair for degenerative disease. A multi-centric propensity score matching analysis

K. Fattouch, Palermo; M. Moscarelli, London; M. Del Giglio, Cotignola; A. Albertini, Cotignola; R. Gregorini, Lecce; V. Romano, Bologna; G. Popoff, Firenze; G. Speziale, Bari

Discussant: P. Perier, Bad Neustadt/Saale

14:45

Surgical factors and complications affecting hospital outcome in redo mitral surgery: Insights from a multicentre experience

F. Onorati, Verona; A. Perrotti, Besancon; D. Reichart, Hamburg; G. Santarpino, Nuremberg; G. Mariscalco, Varese; A. Rubino, Catania; M. De Feo, Naples; F. Santini, Genova

Discussant: tba

15:00

Non-infective isolated mitral valve surgery – comparison of redo- with first surgery's outcomes

M. Wilbring; S. Arzt; K. Alexiou; U. Kappert; K. Matschke; S. Tutgekin, Dresden

Discussant: F. Van Praet, Aalst

15:15

Long-term results of mitral valve surgery for degenerative anterior leaflet or bileaflet prolapse: Negative factors for repair, early and late failures of repair and survival analysis

G. Freitas Coutinho; P. Correia; C. Branco; M. Antunes, Coimbra

Discussant: L. De Kerchove, Brussels

15:30

Stroke in minimally invasive mitral valve surgery – a propensity matched analysis

M. Vollroth; P. Kiefer; T. Noack; J. Garbade; M. Misfeld; F. Bakhtiary; F. Mohr; J. Seeburger, Leipzig

Discussant: T. Modine, Lille

14:15–15:45 Abstract Rapid Response Session

E102

Cardiac general

Moderators: Y. Okita, Kobe; E. Quintana, Barcelona

14:15

Pregnancy outcome after thrombosis of a mechanical heart valve prosthesis

A. Hassouna; S. Elassy; H. Elgalab; A. Elmidany; C. Abdelsamei; A. Helmi; M. Elghanami Cairo

14:24

Secondary sclerosing cholangitis after cardiac surgery: A complication with a dismal prognosis

I. Aleksic; I. Schade; J. Hoffmann; M. Leistner; S. Sommer; D. Radakovic; C. Schimmer; R. Leyh, Würzburg

14:33

Metabolic syndrome affects outcomes of heart valve surgery

E. Angeloni; G. Melina; S. Refice; A. Roscitano; F. Capuano; C. Comito; R. Sinatra, Rome

14:42

The chaos theory: Preoperative anaemia, blood transfusion or both?

L. A. Lisboa; O. Mejia; L. Faria; L. Dallon; F. Jatene; G. Repllicar, São Paulo

14:51

Thrombus resolution and right ventricular functional recovery using ultrasound-accelerated thrombolysis in acute massive and submassive pulmonary embolism

N. Dikmen Yaman; C. Saricaoglu; A. Akar; B. Inan; S. Durdu; M. Cakici; E. Ozcinar; M. Sirlak, Ankara

15:00

Pulmonary endarterectomy is effective and safe in patients with haemoglobinopathies and abnormal red blood cells

B. Mahesh; M. Besser; A. Ravaglioli; A. Klein; C. Ng; S. Tsui; J. Dunning; D. Jenkins, Cambridge

15:09

Twenty five years' experience with resection of renal tumours with cavoatrial extension in circulatory arrest

A. Dashkevich, Helsinki; E. Bagaev, Munich; M. Pichlmaier, Munich; C. Hagl, Munich; C. Stief, Munich; M. Staehler, Munich; P. Brenner, Munich

15:18

Hypernephroma extending in the retrohepatic vena cava sus-hepatic veins or right atrium: surgical techniques and outcomes in 41 patients

F. Dagenais; M. Gagne-Loranger; F. Pouliot; V. Fradet; L. Lacombe, Quebec

15:27

Concomitant pulmonary artery denervation during mitral valve surgery for pulmonary artery hypertension: First-in-man study

A. Bogachev-Prokophiev; A. Afanasyev; S. Zheleznev; M. Fomenko; D. Demidov; V. Nazarov, Novosibirsk

15:36

Monolateral pulmonary endoarterectomy: An orphan treatment?

V. Grazioli; G. Silvaggio; M. Salati; C. Monterosso; A. Sciortino; M. Pin; N. Vistarini; A. M. D'Armini, Pavia

14:15–15:45 Focus Session

F002

Pilots and passengers after cardiac surgery: So you want to fly again?

Moderators: T. Syburra, London; J. Pepper, London

Panel: T. Syburra, London; J. Pepper, London; D. Bron, Dübendorf; U. Rosendahl, London; E. Nicol, Henlow; M. Popplestone, London; P. Alves, São Paulo; S. Mendis, Geneva; S. Mitchell, Horley

Learning objectives:

To understand the criteria of the main airlines for the 'fit-to-fly' eligibility of passengers after cardiac surgery.

To understand the occupational health considerations and requirements for pilots undergoing cardiac surgery.

To understand the cardiac surgery options available when considering cardiac surgery in pilots.

To apply appropriate guidance for patients boarding a flight after cardiac surgery.

To comply with the current pilot licensing regulations after cardiac surgery

14:15

Introduction

J. Pepper, London

14:20

Video about aviation medicine (UK-CAA, EASA, IATA, SPHAIR)

14:25

The passenger journey: Fitness to fly with cardiac disease

M. Popplestone, London

14:55

The surgical implications of flying as a professional pilot

Speaker: tba

15:10

Coronary artery disease and arrhythmia in aircrews

E. Nicol, Henlow

15:25

To fly again as a pilot after cardiac surgery: Current procedures' review

T. Syburra, London

15:40

Conclusions

14:15–15:45 Focus Session

Forum

Challenging the options for younger patients – Minimising long-term risks with biological valves along the patient journey

Moderators: V. Falk, Berlin; A. P. Kappetein, Rotterdam

Learning objectives:

To provide an overview of the long-term risks that younger patients (50–60) face when opting for a biological valve. An overview of current best practices to minimize long-term risks will be provided together with innovations that potentially redefine the odds.

14:15

Defining the long-term risks for younger patients

T. Bourguignon, Tours

14:27

The importance of the first valve choice in order to safeguard reoperation options for the patient

A. Furnary, Portland

14:39

The importance of valve designs with regards to long-term predictable outcomes

S. Loerakker, Eindhoven

14:51

Tissue testing best practices to improve predictability in the absence of long-term in-vivo data

B. Meuris, Leuven

15:03

Redefining the risk of re-operation with valve-in-valve procedures

V. Bapat, London

15:15

When do I implant a mechanical or a biological valves in younger patients?

R. Cartier, Montreal

15:27

Wrap Up – Minimising long-term risks: Summarising innovation needs

Preoperative planning, simulation, 3D printing and intra-operative navigation in cardiothoracic surgery

Moderators: I. Ilonen, Helsinki

14:15

Pre-planning and simulation in cardiothoracic surgery

P. Sardari Nia, Maastricht

14:45

3D printing in cardiothoracic surgery

R. Sodian, Munich

15:15

Intra-operative simulation and navigation in cardiothoracic surgery

N. Ikeda, Tokyo

Endoscopic port access mitral valve repair

See page 46 for programme details

What is new in transcatheter aortic valve implantation

Moderators: C. Huber, Berne; T. Walther, Bad Nauheim; M. Zembala, Zabrze

Learning objectives:

Optimising results in transcatheter aortic valve implantation.

Medium term outcomes of transcatheter aortic valve implantation/

16:00

Comparison of the two common applications used for three-dimensional sizing prior to transcatheter aortic valve implantation

A. Holzamer; M. Zerditzki; K. Debl; D. Endemann; D. Camboni; L. Maier; C. Schmid; M. Hilker, Regensburg

Discussant: H. Thyregod, Copenhagen

16:15

Asymmetric calcium distributions of the aortic valve as a risk factor for the need of permanent pacemaker implantation after transcatheter aortic valve implantation

B. Fujita, Bad Oeynhausen; M. Seiffert, Hamburg; M. Kütting, Aachen; S. Scholtz, Bad Oeynhausen; W. Scholtz, Bad Oeynhausen; J. Börgermann, Bad Oeynhausen; J. Gummert, Bad Oeynhausen; S. Ensminger, Bad Oeynhausen

Discussant: D. Wendt, Essen

16:30

Impact of Preoperative left ventricular hypertrophy on clinical outcomes of patients with residual aortic regurgitation $\leq 2+$ after transcatheter aortic valve implantation

N. Buzzatti; A. Latib; E. Agricola; M. Barletta; A. Castiglioni; M. Montorfano; O. Alfieri; A. Colombo, Milan

Discussant: H. Baumbach, Stuttgart

16:45

Two-year outcomes following transapical transcatheter aortic valve implantation from the multicentre engager pivotal trial

H. Treede, Halle

Discussant: A. Driessen, Amsterdam

17:00

Insights from a multicentre prospective transaortic transcatheter aortic valve implantation registry (ROUTE) – a comparison of patients undergoing transaortic transcatheter aortic valve implantation first-line versus last resort

N. Bonaros, Innsbruck; D. Jagielak, Gdansk; M. Romano, Massy; R. Cocchieri, Amsterdam; D. Frank, Kiel; M. Aiello, Pavia; V. Bapat, London; P. Bramlage, Cloppenburg

Discussant: tba

17:15

Impact of changes in left ventricular ejection fraction on survival after trans-apical transcatheter aortic valve implantation

A. D'Onofrio; G. Rizzoli; L. Besola; E. Bizzotto; E. Manzan; R. Bianco; G. Tarantini; G. Gerosa, Padua

Discussant: J. Goiti, Bilbao

16:00–17:45 Focus Session

Forum

Aortic valve replacement: Ever had any problems?

Moderators: F. Beyersdorf, Freiburg; V. Delgado, Leiden

Panel: G. Wimmer-Greinecker, Bad Bevensen; R. Klautz, Leiden; C. A. Mestres, Abu Dhabi

Learning objectives:

To understand the surgical and interventional management of common complications after aortic valve and root surgery and learn about strategies for common problems.

16:00

Paravalvular leak after conventional valve replacement

T. Carrel, Berne

16:10

Panel discussion

16:15

Severity assessment (Imaging)

V. Delgado, Leiden

16:25

Panel discussion

16:30

Acute ischemia after conventional valve replacement

D. Schibilsky, Tübingen

16:40

Panel discussion

16:45

Differential diagnosis of perioperative ischemia

M Thielman, Essen

16:55

Panel discussion

17:00

Treatment options (Interventional versus surgery)

G. Wimmer-Greinecker, Bad Bevensen

17:10

Discussion

17:15

Annular enlargement or root replacement

G. Freitas Coutinho, Coimbra

17:25

Discussion

17:30

Sutureless valve or transcatheter aortic valve implantation

P. Klein, Nieuwegein

17:40

Discussion

16:00–17:30 Abstract Session

G104+G105

Case reports & videos

Moderators: M. Siepe, Bad Krozingen; M. Codispoti, Cambridge

Learning objectives:

To assess new options in unusual situations

16:00

Percutaneous transcatheter closure for aortic puncture and paravalvular leak closure with the new Amplatzer III device

B. Winkler; B. Meier; T. Carrel; C. Huber, Berne

16:09

Re-do ascending, total aortic arch and common carotid artery replacement with homograft after infection of ascending, aortic arch and carotid artery graft

M. Shrestha; E. Beckmann; A. Junge; T. Kaufeld; J. Umminger; N. Koigeldiyev; A. Haverich; A. Martens, Hannover

16:24

Extra-anatomic transcatheter aortic valve implantation in a grown up congenital heart disease patient with a Rastelli channel

G. Dahle; G. Eriksen; R. Kumar; S. Birkeland; K. A. Rein, Oslo

16:33

Posterior post-infarction ventricular septal defect repair

B. Moscoso; G. Ventosa-Fernandez; R. Cartaña; D. Pereda, Barcelona

16:48

Chylopericardium causing delayed cardiac tamponade

P. Nanjaiah; T. Combella; A. Syed; D. Mehta, Cardiff

16:57

Hybrid treatment of thoracoabdominal aneurysm and dissection. Visceral debranching

E. Charchyan; Z. Khachatryan; A. Skvortsov, Moscow

17:12

Pericardio-esophageal fistula: An unusual complication of ablation for atrial fibrillation

A. Jassar; E. Sylvain; J. Kucharczuk; P. Vallabhajosyula, Philadelphia

Better outcomes through optimising international normalised ratio management and anticoagulation in aortic valve replacement

Moderators: A. A. Hassouna, Cairo; A. Jeppsson, Gothenburg

16:00

What is the place of new anticoagulant therapy for patients after aortic valve replacement

F. Verheugt, Amsterdam

16:15

International normalised ratio management and mechanical valves; The ESCAT trial

F. Musumeci, Rome

16:30

Effectiveness of rivaroxaban for thromboprophylaxis of prosthetic heart valves in a porcine heterotopic valve model

L. Greiten, Rochester

16:45

Anticoagulation therapy for tissue heart valves, where do we stand?

A. Colli, Padua

17:00

The meaning of leaflet thickening and valve thrombosis in transcatheter aortic valve implantation and surgical aortic prostheses

A. P. Kappetein, Rotterdam

17:15

The optimal Warfarin therapy duration after bioprosthetic aortic valve replacement; weighing risk of mortality, thromboembolic complications, and bleeding

P. Olsen, Copenhagen

New technology in mitral surgery

Moderators: T. A. Folliguet, Vandoeuvre les Nancy; K. Widenka, Leicester

16:00

From bench to bedside – transcatheter mitral valve-in-ring procedures for failed mitral repair: Results of an ex-vivo study and follow-up of an initial patient series

S. Arzt; M. Wilbring; K. Matschke; U. Kappert; K. Alexiou, Dresden

16:09

Transapical implantation of transcatheter valves after failed mitral ring annuloplasty: Mid-term results of 'valve-in-ring' procedure in high risk patients

M. Taramasso, Milan; A. Pozzoli, Milan; A. Latib, Milan; F. Nietlispach, Zurich; G. La Canna, Milan; A. Colombo, Milan; O. Alfieri, Milan; F. Maisano, Zurich

16:18

Transvalvular mitral bridge for functional mitral regurgitation: Midterm clinical results

S. Cerny; V. Subramanian; I. Skalsky; M. Benesova; K. Mzourkova, Prague

16:27

A novel septal-lateral flexible and remodelling mitral annuloplasty ring – proof of concept in a porcine model

M. Tjørnild, Aarhus; D. Røpcke, Aarhus; S. Nielsen, Aarhus; C. Ilkjær, Aarhus; J. Rasmussen, Aarhus; J. Couetil, Créteil; S. Nielsen, Aarhus

16:36

Rigid remodelling versus fully flexible mitral annuloplasty rings – a novel assessment tool for biomechanical characterisation

S. Skov, Aarhus; D. Røpcke, Aarhus; C. Ilkjær, Aarhus; J. Rasmussen, Aarhus; M. Tjørnild, Aarhus; H. Nygaard, Aarhus; M. Jensen, Atlanta; S. Nielsen, Aarhus

16:45

Effects of the surgical techniques on long-term results in patients with degenerative mitral valve bi-leaflet prolapse

G. Petrone; R. Bellitti; C. Pascarella; G. Nappi; G. Signoriello; P. Santé, Naples

16:54

Long-term outcomes of minimally invasive mitral valve surgery in reoperations on the mitral valve: propensity matched analysis

P. Vallabhajosyula; A. Pulsipher; E. Pitkin; D. Small; T. Wallen; S. Musthaq; M. Acker; W. Hargrove III, Philadelphia

17:03

A new approach for minimally invasive cardiac surgery: The periareolar access

R. Poffo; A. Toschi; C. Mokross; R. Pope, São Paulo

17:12

A matched-pair analysis of non-rib-spreading, fully endoscopic, mini incision technique versus conventional mini-thoracotomy for mitral valve repair

F. S. Westhofen; L. Conradi; T. Deuse; C. Detter; H. Reichenspurner; H. Treede, Hamburg

16:00–17:30 Focus Session

E106+E107

A contemporary approach to the aortic valve and aortic root

Moderators: E. Lansac, Paris; M. Misfeld, Leipzig; F. Schoenhoff, Berne

Learning objectives:

To understand the basic principles of aortic valve repair while learning how to prevent recurrence of valve regurgitation. To master the optimal approach to the aortic root in anatomical difficult conditions.

16:00

The role of annuloplasty for aortic valve repair. How to choose among the different proposed options?

R. De Paulis, Rome

16:15

The use of pericardium in aortic valve repair. When is it a durable solution?

G. El Khoury, Brussels

16:30

Valve preserving aortic root surgery. The role of geometry and the needs for leaflet repair

H. Schäfers, Homburg/Saar

16:45

Long term results of external aortic ring annuloplasty for aortic valve repair

E. Lansac, Paris; I. Di Centa, Suresnes; G. Sleilaty, Paris; A. Berrebi, Paris; N. Khellil, Paris; K. Zannis, Paris; P. Dervanian, Paris; M. Debauchez, Paris

Discussant: L. De Kerchove, Brussels

17:00

Valve sparing in various anatomical bicuspid presentation

C. Antona, Milan

17:15

Root reoperation – tips and tricks

W. Harringer, Braunschweig

16:00–17:30 Simulation Session

F004

Endoscopic port access mitral valve repair

See page 46 for details

A future without suture

Moderators: *M. Glauber, Milan; N. Ad, Falls Church; H. Najm, Riyadh; E. Ferrari, Lugano*

09:00

Is there a room for innovation in cardiac surgery beyond transcatheter aortic valve replacement?

T. Folliguet, Vandoeuvre les Nancy

09:15

Clinical experience and latest clinical evidence with Intuity rapid deployment valve

C. Young, London

09:30

Clinical experience and latest clinical evidence with Perceval sutureless valve

B. Meuris, Leuven

09:40

Rapid deployment in minimally invasive approaches

M. Borger, Leipzig

09:50

Sutureless valve in minimally invasive approaches

B. Gersak, Ljubljana

10:00

Transcatheter aortic valve implantation in valve procedures: Are sutureless and rapid deployment valves suitable?

V. Bapat, London

10:15

When sutureless and rapid deployment can cover the gap between transcatheter aortic valve implantation and conventional aortic valve replacement

A. Miceli, Milan

10:30

Technical aspects in combined procedure with sutureless and rapid deployment valves

M. Shrestha, Hannover

10:45

Reimbursement and health economic evidence for the sutureless valve and rapid deployment valves

T. Fischlein, Nuremberg

11:00

Break

11:15

Roundtable discussion challenging cases for sutureless and rapid deployment valves: Current and future indications

11:30

Can sutureless valve compete with transcatheter aortic valves?

C. Mignosa, Catania

11:35

Sutureless in homograft

G. Bhatnagar, Toronto

11:40

Rapid deployment in failed freestyle

V. Gariboldi, Marseille

Sutureless valve in failed freestyle root

G. Troise, Brescia

11:45

Sutureless in complex combined procedures

M. Ferrarini, Milan

11:55

Case of severe calcification of the sinotubular junction

P. Rahmanian, Cologne

12:00

Sutureless valve in hybrid procedures

D. Gillmanov, Massa

12:05

Treatment of cardiogenic shock with rapid deployment

G. L. Martinelli, Rome

12:10

Sutureless in true bicuspid valves

M. Glauber, Milan

12:15

Final message and conclusions

09:00–12:00 Advanced Techniques

G102+G103

Controversies and catastrophes in adult cardiac surgery

Moderators: G. P. Fontana, New York; J. Bachet, Nogent sur Marne; M. Shrestha, Hannover

Learning objectives:

To discuss in different controversial topics in adult cardiac surgery in an objective way. Faculty members are experts in different fields of cardiac surgery and will be talking about 'controversial' topics.

09:00

Introduction

M. Shrestha, Hannover

09:05

The heart team: Does it really function or is it a mirage?

C. Nienaber, Rostock

09:15

Discussion

09:20

Transcatheter aortic valve replacement in low(er) risk patients: How low will it go?

G. Fontana, New York

09:30

Discussion

09:35

Current guidelines on aortic valve replacement from evidence based medicine to payment based medicine

T. Folliguet, Vandoeuvre les Nancy

09:45

Discussion

09:50

Total aortic arch replacement: Conventional or hybrid

J. Bachet, Nogent sur Marne

10:00

Discussion

10:05

Break

10:20

Preventing expansion in the aortic root

J. Pepper, London

10:30

Discussion

10:35

Catastrophies in aortic surgery

A. Martens, Hannover

10:45

Discussion

10:50

Closed versus open mitral ring for repair

E. Raanani, Ramat Gan

11:00

Discussion

11:05

When is the right time to do post-coronary artery bypass graft bail-out coronary angiogram

J. Widder, Hannover

11:15

Discussion

11:20

Near miss or direct hit?

S. Nashef, Cambridge

11:30

Discussion

11:35

Closing remarks

M. Shrestha, Hannover

Multiple arterial grafting

Moderators: *D. Glineur, Ottawa; M. G. Lemma, Milan; G. Tavilla, Leiden*

Learning objectives:

To widespread the use of arterial grafting.

To improve long-term result of coronary artery bypass graft.

09:00

Complete arterial revascularization: In-Situ grafts or composite configuration?

G. Tavilla, Leiden

09:15

Complete composite arterial grafting, is it safe?

M. Lemma, Milan

09:30

Sequential arterial grafting, is it worth it?

D. Glineur, Brussels

09:45

What is the best inflow for the radial?

M. Lemma, Milan

10:00

Panel discussion

10:30

Break

11:00

What to do in case of moderate coronary stenosis and arterial grafting

H. Nakajima, Saitama

11:15

In-situ versus composite, is there a difference in competition of flow?

D. Glineur, Brussels

11:30

Which arterial graft for the right coronary artery is the best?

J. Grau, Ridgewood

11:45

Grafting the right coronary artery, why is the right gastroepiploic artery not a standard?

G. Tavilla, Leiden

12:00

Panel discussion

How to do it? With live in a box

Moderators: E. Quintana, Barcelona; M. Scarci, Cambridge; V. Falk, Berlin

09:00

How to do a robotic thymectomy

J. Maessen, Maastricht

09:20

How to resect a pancoast tumour

E. Fadel, Le Plessis-Robinson

09:40

How to repair the tetralogy of Fallot

B. Asfour, Sankt Augustin

10:00

How to do a Ross operation

H. Sievers, Lübeck

10:20

How to do a hybrid arch replacement

J. Bavaria, Philadelphia

10:40

How to do a thoracoabdominal aortic aneurysm

M. Jacobs, Maastricht

11:00

How to do a Maze IV

E. Quintana, Barcelona

11:20

How to do and select patients for an aortic valve repair in bicuspid aortic valve

H. Schäfers, Homburg/Saar

Mitral Valve Repair

Moderators: M. De Bonis, Milan; S. Livesey, Southampton; R. Sádaba, Gorraiz

This wetlab will be restricted to 40 participants. Registration is required and will be available at the on-site registration desks. Fee €20.

10:30-12:00 Learn from the experts how to do a remodelling or a re-implantation procedure

Advanced Techniques and Wetlab

Moderators: D. Cameron, Baltimore, R. De Paulis, Rome

Teachers for redmodelling

E. Lansac, Paris; P. Urbanski, Bad Neustadt; D. Aicher, Homburg/Saar; J. Vojacek, Hradec Kralove

Teachers for reimplantation

D. Cameron, Baltimore, R. De Paulis, Rome; M. Shrestha, Hannover; L. De Kerchove, Brussels; D. Pacini, Bologna

This wetlab will be restricted to 50 participants per session, split over the two procedures. Registration is required and will be available at the On-Site registration desks where you must choose either remodelling or re-implantation. The session will be repeated. Fee €20.

Raising Standards through Education and Training

Thoracic Disease Domain Programme

Thoracic

Chair:

Franca Melfi, Pisa, Italy
Giuseppe Cardillo, Rome, Italy
Godehard Friedel, Gerlingen, Germany
Marcelo Jimenez, Salamanca, Spain
Peter Licht, Odense, Denmark
Douglas Mathisen, Boston, USA
Pala Rajesh, Birmingham, UK
Jose Ribas De Campos, Sao Paulo, Brazil
Ralph Schmid, Berne, Switzerland
Marcin Zielinski, Zakopane, Poland

09:00–12:30 Techno College

G102+G103

Malignant pleural mesothelioma. From biomolecular aspects to maximal invasive surgery: what thoracic surgeons should know

Moderators: R.Schmid, Berne

Surgery from European Institute of Oncology, Milan

Live surgery

Extrapleural Pneumonectomy: Right and Left

W. Klepetko, Vienna and L. Spaggiari, Milan

Extended Pleurectomy/ Decortication

D. Waller, Leicester

Pleurectomy/ Decortication palliation

L. Spaggiari, Milan

Session 1: Diagnosis and Surgery for Mesothelioma

Moderators: A. Patterson, St Louis; P. Van Schil, Antwerp

09:00

Diagnosis of malignant pleural mesothelioma: imaging

To be announced

09:30

Diagnosis of malignant pleural mesothelioma: invasive diagnosis and staging

M. Zielinski, Poland

10:00

Diagnosis of malignant pleural mesothelioma: pathologist lecture

G.Fontanini, Pisa

10:30

The role of biomarkers

To be announced

11:00

State of the art, surgeon's view

D. Rice, Houston

11:30

State of the art, oncologist's view

J.B. Soerensen, Copenhagen

12:30

Lunch

13:30–18:00 Outcome

G102+G103

Session 2: Outcome

Moderators: H. Winter, Munich; P. Van Schil, Antwerp

13:30

Outcomes of surgery: Extrapleural pneumonectomy

H. Dienemann, Heidelberg

14:00

Outcomes of surgery: Pleurectomy and hyperthermia

M. Lucchi, Pisa

14:30

Outcomes of surgery: Palliation

T. Treasure, London

15:00

The role of targeted therapy

J. van Meerbeeck, Antwerp

15:30

Surgical complications, management

W. Klepetko, Vienna

16:00

Mesothelioma registry: what's the lesson?

To be announced

16:30

Trials

S. Burgers, Amsterdam

17:00

Discussion and additional time for live surgery

Pneumonectomy controversies: What is the problem?

Moderators: P. E. Van Schil, Edegem

08:15

Surgical approach

P. B. Licht, Odense

08:30

Neo-adjuvant therapy

G. Friedel, Gerlingen

08:45

Stump closure

D. Mathisen, Boston

09:00

Complications after pneumonectomy

09:15

Perioperative management: Anaesthesiologist's view

F. Guarracino, Pisa

08:15–11:45 Safer surgery for whom?

See page 27 for details.

08:15–16:00 Nurse and Nurse Physician Programme

See page 39 for details.

10:15–11:45 Postgraduate Education

Management of oesophageal perforations

Moderators: D. E. Wood, Seattle; P. B. Rajesh, Birmingham

10:15

Primary repair

D. Wood, Seattle

10:30

Stent placement

tba

10:45

Alternative measures

P. B. Rajesh, Birmingham

11:00

Delayed perforations

M. Jimenez, Salamanca

Basic Science – Lung

Moderators: R. A. Schmid, Berne; B. Döme, Vienna

10:15

Thymoma pathology: the role of RAGE axis molecules and heat shock proteins
B. Moser, Vienna

10:37

Vascularization of primary and secondary lung tumors: from basic science to therapeutics
B. Döme, Vienna

10:59

Lung cancer and stem cells
T. Marti, Berne

11:21

Stem cells in acute and chronic lung injury and repair
A. Gazdhar, Berne

CanBetter: optimising training programs in Cardio-thoracic surgery

See Page 30 for details

Management of acquired tracheal disorders: from stenosis to laceration

Moderators: D. J. Mathisen, Boston; E. A. Rendina, Rome

13:45

Tracheal stenosis

F. Rea, Padua

14:00

Idiopathic stenosis

D. Mathisen, Boston

14:15

Tracheoesophageal fistulas

S. Mussot, Le Plessis Robinson

14:30

Tracheal lacerations

F. Melfi, Pisa

See Page 36 for details

Thoracic oncology I: Staging

Moderators: G. A. Patterson, St Louis; F. M. Melfi, Pisa; M. Ibrahim, Rome

Learning objectives:

To understand the impact of histology and imaging characteristics in lung cancer staging.

To evaluate the Importance of nodal assessment.

08:15

Fluorodeoxyglucose uptake on positron emission tomography correlates with the International Association for the Study of Lung Cancer/the American Thoracic Society/European Respiratory Society histologic subtypes and prognosis of clinical stage IA lung adenocarcinoma

Y. Miyata; T. Mimura; Y. Tsutani; T. Mimae; T. Yoshiya; M. Ito; Y. Kai; A. Kagimoto, Hiroshima

Discussant: E. Rendina, Rome

08:30

Does video mediastinoscopy with frozen sections improve mediastinal staging during video-assisted thoracoscopic pulmonary resections?

A. Gonfiotti, Ponte Buggianese; S. Bongiolatti, Firenze; D. Viggiano, Firenze; S. Borgianni, Firenze; R. Borrelli, Firenze; G. Tancredi, Firenze; L. Voltolini, Siena

Discussant: P. De Leyn, Leuven

08:45

Accuracy of sentinel node biopsy by ^{99m}Tc -phytate in patients with non-small cell lung carcinoma

R. Bagheri; R. Sadeghi; R. Afghani; V. R. Dabagh; S. Shafiei; D. Attaran, Mashhad

Discussant: M. Allen, Rochester

09:00

Prediction of pathologic factors in clinical T1 lung adenocarcinoma by tumour volume using three-dimensional computed tomography images.

K. Matsumoto; Y. Ogihara; N. Yamasaki; T. Tsuchiya; T. Miyazaki; H. Hayashi; K. Ashizawa; T. Nagayasu, Nagasaki

Discussant: K. Athanassiadi, Athens

09:15

Proposed new clinical criteria of multiple primary lung cancers based on prognosis

T. Matsunaga; K. Suzuki; K. Takamochi; S. Oh, Tokyo

Discussant: G. Friedel, Gerlingen

Non oncology I

Moderators: *D. Waller, Leicester; D. Subotic, Belgrade*

Learning objectives:

To learn the management of spontaneous pneumothorax.

To understand the current surgical management of pleuro-pulmonary sepsis.

08:15

Does primary spontaneous pneumothorax really need surgical treatment?

R. Bilancia; A. Sharkey; A. Paik; I. Chahuan; R. Vaja; D. Waller, Leicester

Discussant: G. Cardillo, Rome

08:30

Multidisciplinary approach of catamenial and endometriosis-related pneumothorax

P. Ciriaco; A. Bandiera; A. Carretta; G. Melloni; G. Negri; M. Candiani; P. Zannini, Milan

Discussant: M. Scarci, Cambridge

08:45

Thoracoscopic pleural tent for spontaneous pneumothorax

R. Kawachi; K. Tachibana; S. Karita; R. Tanaka; Y. Nagashima; H. Takei; H. Kondo, Tokyo

Discussant: C. Zirafa, Pisa

09:00

Decortication of empyema thoracis in children: a large single-centre perspective

M. Mohamed Mydin; S. Kiani; A. Hasan; M. Thomas; M. Brodlie; D. Spence, Newcastle upon Tyne

Discussant: D. Mathisen, Boston

09:15

Thoracoscopic management of early stages in empyema: Is this the golden standard?

H. Elsayed; E. Fathy; A. Mostafa; H. El-Bawab; H. Diab; S. Soliman; A. El-Kerdany; A. El-Nori, Cairo

Discussant: G. Shahin, Zwolle

09:30

Robot-assisted thoracoscopic anatomical pulmonary resection for cavitary tuberculosis

P. Yablonskii; G. Kudriashov; S. Nuraliev; I. Vasilev; A. Avetisyan; O. Sokolova; V. Zhuravlev, St Petersburg

Discussant: G. Kocher, Berne

08:15–09:45 Focus Session

Emerald Room

Work in progress

See page 45 for programme details

08:15–09:45 Simulation Session

F004

Endoscopic port access mitral valve repair

See page 46 for programme details

Thoracic oncology II: Perioperative management

Moderators: *L. Spaggiari, Milan; G. Kocker, Berne*

Learning objectives:

To evaluate the significance of comorbidity in long-term lung cancer survival.

To evaluate the impact of different minimally invasive techniques in the operative management of lung cancer.

10:15

Marginal pulmonary function for lung cancer surgery is associated with poor short- and long-term outcomes

N. Ozeki; K. Kawaguchi; T. Okasaka; T. Fukui; K. Fukumoto; S. Nakamura; K. Yokoi, Nagoya

Discussant: M. Jimenez, Salamanca

10:30

Fissureless video-assisted thoracoscopic lobectomy for all lung lobes: A better alternative to decrease the incidence of prolonged air leak?

D. Stamenovic, Karlsruhe; K. Bostanci, Istanbul; A. Messerschmidt, Karlsruhe; T. Jahn, Karlsruhe; T. Schneider, Karlsruhe

Discussant: S. Stamenkovic, Newcastle upon Tyne

10:45

The evolution of intra-operative conversion in video-assisted thoracoscopic lobectomy

A. Vallance; P. Tcherveniakov; V. Tentzeris; C. Bogdan; N. Chaudhuri; R. Milton; E. Kefaloyannis, Leeds

Discussant: tba

11:00

The stapler technique could be appropriate procedure for dissection of inter-segmental plane in pulmonary segmentectomy in comparison with electrocautery-propensity score-matched analysis of postoperative lung function

T. Maeyashiki, Bunkyo-ku; K. Takamochi, Bunkyo-ku; S. Oh, Tokyo; K. Suzuki, Tokyo

Discussant: L. Spaggiari, Milan

11:15

Analysis of lymph node impact on conversion of complete thoracoscopic lobectomy to open thoracotomy

Y. Li, Beijing

Discussant: tba

11:30

Robotic lobectomy in thoracic oncology: Early experience and outcomes

V. Lacroix; Z. Mosala Nezhad; A. Poncelet; T. Pieters; D. Kahn; G. Elkhoury; P. Noirhomme, Brussels

Discussant: O. Fanucchi, Pisa

Minimally invasive surgery for lung cancer: Up to date

Moderators: *P. B. Licht, Odense; S. Rathinam, Leicester; R. Schmid, Berne*

Learning objectives:

To review the advantages of the different VATS lobectomy techniques.

10:15

VATS lobectomy, where do we stand?

P. B. Licht, Odense

10:33

Uniportal approach and awake VATS lobectomy

D. Gonzalez, Coruña

10:51

VATS lobectomy: Taking the plunge

G. Kocher, Berne

11:09

Challenging procedures and complications

H. Decaluwe, Leuven

11:27

VATS versus open lobectomy

D. Mathisen, Boston

Meet the experts

Moderators: *E. Quintana, Barcelona; F. Kari, Freiburg; M. Siepe, Bad Krozingen*

See page 52 for programme details

All you need to know for your next research project

See page 51 for programme details

EACTS Cardio-Thoracic masters – Jeopardy

See page 52 for programme details

The power of surgery
M. Grabenwöger, Vienna

Cardiothoracic Surgery residents – where do we come from and where are we heading

See page 53 for programme details

Meet the experts in robotic cardio-thoracic surgery

Moderators: A. P. Kappetein, Rotterdam; R. A. Schmid, Berne

Panel: J. Bonatti, Abu Dhabi; F. M. Melfi, Pisa; J. Ruckert, Berlin; J. Dunning, Middlesbrough; L. W. Nifong, Greenville

Learning objectives:

To evaluate if robotic surgery could facilitate and extend the adoption of minimally-invasive operation techniques and economic stability.

14:15

Robotic Cardiac Overview

J. Bonatti, Abu Dhabi

14:30

Robotic Thoracic Overview

F. Melfi, Pisa

14:45

The hospital manager's point of view

C. Milli, Pisa

15:00

The company's point of view

T. Bonciani, Aubonne

Mediastinum

Moderators: D. E. Wood, Seattle; E. A. Rendina, Rome; P. Nafteux, Leuven

Learning objectives:

To learn the current status of laryngotracheal resection.

To understand innovative strategies for esophageal reconstruction.

14:15

Long term results of laryngotracheal resection for benign stenosis from a series of 108 consecutive patients

A. D'Andrilli; G. Maurizi; A. M. Ciccone; C. Andreetti; M. Ibrahim; C. Poggi; F. Venuta; E. Rendina, Rome

Discussant: P. Van Schil, Edegem

14:30

Evaluation of the gastric sleeve after esophagectomy by laser-induced fluorescence angiography – a matched-pair analysis

I. Karampinis; F. Sandra-Petrescu; K. Nowak; S. Post, Mannheim

Discussant: M. Zielinski, Zakopane

14:45

Minimally invasive esophagectomy for esophageal squamous cell carcinoma: Results of lymph nodes dissection

B. Ye, C. Zhong; Y. Yang; W. Fang; T. Mao; C. Ji; H. Chen; Z. Li, Shanghai

Discussant: T. Lacin, Istanbul

15:00

Subcutaneous esophageal reconstruction after esophagectomy: A feasible alternative in high risk patients?

J. H. Chung1, S. H. Lee1, K. T. Kim1, C. B. Ahn2, K. H. Son2; 1Seoul (Korea), 2Incheon (Korea)

Discussant: D. Wood, Seattle

15:15

Correlation between preoperative anterior mediastinal tissue volume and anti-acetylcholine receptor antibody for patients with myasthenia gravis undergoing extended thymectomy

A. Takahagi; M. Omasa; T. Kondo; F. Chen; M. Sonobe; H. Date, Kyoto

Discussant: M. Lucchi, Pisa

14:15–15:45 Focus Session

Emerald Room

Pro and cons debates

See page 58 for programme details

14:15–15:45 Training in Research Session

F003

All you need to know for your next research project – Part II

See page 59 for programme details

14:15–15:45 Simulation Session

E103

Endoscopic port access mitral valve repair

See page 46 for programme details

TNM classification: 8th edition

Moderators: R. Rami-Porta, Barcelona; D. E. Wood, Seattle

16:00

Lung cancer

R. Rami-Porta, Barcelona

16:15

Mesothelioma

tba

16:30

Thymus

F. Detterbeck, New Haven

16:45

Oesophagus

A. Lerut, Leuven

16:00–17:30 Abstract Rapid Response Session

Moderators: D. Waller, Leicester; R. A. Schmid, Berne; P. B. Rajesh, Birmingham; K. Athanassiadi, Athens

16:00

Crossing the bridge to video assisted thoracoscopic lobectomy – a novel training method

P. Tcherveniakov; C. Bogdan; N. Chaudhuri, Leeds

16:09

Back-table-operation and auto-lung transplantation for locally advanced lung cancer

Y. Karube; M. Chida; T. Inoue; M. Nishihira; O. Araki; S. Kobayashi; T. Sado, Mibu

16:18

Incidence, severity and risk factors of atrial fibrillation after lung cancer surgery

Y. Muranishi; M. Sonobe; T. Menju; A. Aoyama; F. Chen; T. Sato; H. Date, Kyoto

16:27

Survival and prognostic factors after pulmonary metastasectomy of colorectal cancers: Influence of liver metastasis

S. Kim, Seoul; H. K. Kim, Seoul; J. H. Cho, Seoul; K. Kim, Gyeonggi; J. Kim, Seoul; Y. S. Choi, Seoul; J. I. Zo, Seoul; Y. M. Shim, Seoul

16:36

Prognosis of surgically resected lung adenocarcinoma patients with primary adenocarcinoma in other organs

E. Yi; H. Jang; S. Park; K. W. Shin; S. Cho; K. Kim; S. Jheon, Seongnam-si

16:45

¹⁸F-fluorodeoxyglucose radio metabolic findings in surgically resected patients with pulmonary sarcomatoid carcinomas

C. Rapicetta, Reggio Emilia; F. Lococo, Reggio Emilia; A. Stefani, Modena; A. Filice, Reggio Emilia; T. Ricchetti, Reggio Emilia; U. Morandi, Modena; A. Franceschetto, Modena; M. Paci, Reggio Emilia

16:54

Does pulmonary endarterectomy have a role for surgical treatment of pulmonary hypertension caused by echinococcosis disease?

B. Yildizeli; N. Ermerak; S. Tas; M. Yanartas; T. Lacin; B. Sayan; H. Sunar; S. Olgun Yildizeli, Istanbul

17:03

Management of bleeding caused by vascular injury during complete thoracoscopic lobectomy

Y. Li, Beijing

17:12

Cytoreductive surgery combined with intrapleural perfusion hyperthermic chemotherapy in lung adenocarcinoma with pleural seeding

E. Yi, H. Jang, S. Park, K. W. Shin; S. Cho; K. Kim; S. Jheon, Seongnam-si

16:00–17:30 Training in Research Session

F003

How to statistically analyse your next research project

See page 64 for programme details

16:00–17:30 Simulation Session

F004

Endoscopic port access mitral valve repair

See page 46 for programme details

Thoracic oncology III: Postoperative follow up

Moderators: P. E. Van Schil, Edegem; A. M. Ciccone, Rome; G Friedel, Gerlingen

Learning objectives:

To understand alternative follow-up strategies for patients with lung cancer.

To evaluate the possibility of alternative strategies to surgery in pulmonary metastases.

08:15

Long-term outcome in sixty three resected adrenocorticotrophic hormone-secreting lung carcinoids: a multicentric study

A. Imperatori, Varese; S. La Rosa, Varese; P. Granone, Rome; M. Papotti, Orbassano; S. Uccella, Varese; R. Maragliano, Varese; E. Nardecchia, Varese; N. Rotolo, Varese

Discussant: G. Shahin, Zwolle

08:30

Postoperative follow-up strategy based on recurrence dynamics for non-small-cell lung cancer

K. Watanabe, Kawasaki; M. Tsuboi, Yokohama; T. Maehara, Yokohama; H. Nakayama, Yokohama; M. Masuda, Yokohama

Discussant: L. Luzzi, Siena

08:45

Adjuvant chemotherapy for stage IB non-small cell lung cancer based on blood vessel invasion

Y. Kudo; Y. Shimada; R. Amemiya; Y. Kato; M. Kakahana; N. Kajiwara; T. Ohira; N. Ikeda, Tokyo

Discussant: G. Friedel, Gerlingen

09:00

Long-term results of percutaneous radiofrequency ablation of pulmonary metastases

V. Aprile; O. Fanucchi; S. Korasidis; P. Dinj; F. Davini; F. Melfi; M. Ambrogio; A. Mussi, Pisa

Discussant: P. Van Schil, Edegem

09:15

Chest Kinesio Taping® for pain control after lobectomy for lung cancer: initial results of a randomized study

A. Imperatori; A. Grande; S. Spampatti; M. Castiglioni; M. Cattoni; L. Gasperini; L. Terzaghi; N. Rotolo, Varese

Discussant: P. Rajesh, Birmingham

09:30

A logistic regression model for predicting recurrence in stage I non-small cell lung cancer based on copy number variation

P. Tchervenjakov; A. Gusnanto; H. Wood; P. Rabbits; R. Milton, Leeds

Discussant: M. Rodriguez, Salamanca

Thoracic non oncology II

Moderators: S. Alnassar, Riyadh , D, Subotic, Belgrade,, D. Waller, Leicester

Learning objectives:

To understand the reasons for ICU readmission following pulmonary resection.

To evaluate how to manage intra and postoperative challenges.

08:15

Intensive care unit readmission after major lung resection: Prevalence, pattern, and mortality

J. J. Jung, Changwon-si; T. H. Hong, Seoul; J. H. Cho, Seoul; H. K. Kim, Seoul; Y. S. Choi, Seoul; J. Kim, Seoul; J. I. Zo, Seoul; Y. M. Shim, Seoul

Discussant: A. Lerut, Leuven

08:30

Management of thoracic trauma and analysis of risk factors for death

M. Beshay, Bielefeld; M. Abdel Bary, Quena; F. Metzluft, Bielefeld; H. W. Kottkamp, Bielefeld; D. Branscheid, Bielefeld

Discussant: M. Fuentes Gago, San Sebastian

08:45

Do we need a new evidence of video-assisted thoracoscopic surgery and feasibility in benign pathologies?

H. Elkhayat, Assiut; S. Kaya, Izmir; A. Ghoneim, Assiut; M. Khairy, Assiut

Discussant: S. Rathinan, Leicester

09:00

Idiopathic ipsilateral pulmonary infarction after major lung resection

E. Kefaloyannis; V. Kouritas; N. Chaudhuri; R. Milton, Leeds

Discussant: D. Subotic, Belgrade

09:15

A magnet built-on bronchoscopic suction for extraction of tracheobronchial headscarf pins

H. Elsayed; S. Soliman; A. Mostafa; A. El-Nori; H. El-Bawab; A. El-Kerdany, Cairo

Discussant: L. Luzzi, Siena

A summary of essentials for your next research project

See page 70 for programme details

Case reports

Moderators: *P. B. Rajesh, Birmingham; D. J. Mathisen, Boston; M. Casiraghi, Milan*

Learning objectives:

To discuss the challenges in treatment of unusual cases.

10:15

The use of dual Novalung as a bridge to lung transplantation in a patient with pulmonary hypertension

J. Mayes, Beckenham; G. Niranjan, Newcastle upon Tyne; L. P. Ong, Newcastle upon Tyne; S. Clark, Newcastle upon Tyne; J. Dark, Newcastle upon Tyne

10:30

Video-assisted thoracoscopic lobectomy for huge pulmonary abscess due to intralobar sequestration

F. Montinaro, Prato; F. Battisti, Florence; M. Scatizzi, Prato; G. Giacconi, Prato; L. Romoli, Prato; V. Silvestri, Prato; R. Fargnoli, Prato; G. Gorini, Florence

10:45

Withdrawal of lungs from uncontrolled donation after cardiac death: The lesson learned from the first case

A. Palleschi, Milan; M. Nosotti, Milan; L. Rosso, Milan; D. Tosi, Milan; L. Santambrogio, Milan; B. Safaee Fakhr, Milan; G. Citerio, Monza; F. Valenza, Milan

11:00

Esophageal perforation and aortic rupture following aspiration of a foreign body

B. Sayan; T. Lacin; N. Ermerak; N. Yiyit; M. Yuksel, Istanbul

11:15

Acute pulmonary artery obstruction as the primary manifestation of a rapidly growing intimal sarcoma in a 54-year old patient

F. S. Westhofen; C. Kugler; T. Tsourlakis; M. Kubik; M. Silaschi; H. Reichenspurner; T. Deuse, Hamburg

11:30

Trans-pericardial closure of broncho-pleural fistula in a patient with dextrocardia via re-do sternotomy

M. Salmasi; M. Chowdhry; A. Paik; A. Nakas, Leicester

Lung transplantation

Moderators: *A. Bertani, Palermo; W. Klepetko, Vienna*

Learning objectives:

To understand the current role of novel lung preservation strategies.

To understand the impact of postoperative complications following lung transplantation.

10:15

Ex-vivo lung perfusion and computerised tomography scan to assess lungs recovered from uncontrolled donation after circulatory determination of death donors

T. Egan, Chapel Hill; J. Blackwell, Chapel Hill; S. Gazda, Chapel Hill; D. Yuan, Chapel Hill; K. Birchard, Chapel Hill; J. Long, Chapel Hill; B. Haithcock, Chapel Hill; C. Thys, Durham

Discussant: L. Voltolini, Siena

10:30

Zonal organ allocation system and its impact on long-term outcomes after lung transplantation: A propensity matched analysis

M. Zeriuoh, Cologne; A. Sabashnikov, Cologne; N. Patil, London; A. Weymann, Harefield; P. Mohite, Harefield; S. Soresi, Harefield; A. Popov, Harefield; A. Simon, Harefield

Discussant: F. Rea, Padua

10:45

Utilisation of the organ care system for bilateral lung transplantation: Preliminary results of a comparative study

M. Zeriuoh, Cologne; A. Sabashnikov, Cologne; B. Zych, Harefield; D. Garcia, Harefield; P. Mohite, Harefield; A. Popov, Harefield; A. Simon, Harefield

Discussant: A. Bertani, Palermo

11:00

Is universal antifungal prophylaxis mandatory in adults after lung transplantation? A metaanalysis of observational studies

K. Pilarczyk; H. Carstens; J. Heckmann; H. Jakob; N. Pizanis; M. Kamler, Essen

Discussant: M. Verkroost, Nijmegen

11:15

Prolonged intensive therapy unit stay after bilateral lung transplantation – impact on functional, rejection & survival outcomes

L. P. Ong; A. Sachdewa; E. Thompson; G. Parry; S. Clark, Newcastle upon Tyne

Discussant: S. Taghavi, Vienna

10:15-11:45 Training in Research Session

F003

Clinical studies

See page 74 for programme details

10:15-11:45 Focus Session

Emerald Room

Nightmares in cardiothoracic surgery

See page 75 for programme details

10:15-11:45 Simulation Session

F004

Endoscopic port access mitral valve repairs

See page 46 for programme details

11:50-12:20 Plenary Session
The Honoured Guest Lecture

Auditorium

Medical aspects in space industry
A. Kuipers, Amsterdam

See page 75 for programme details

12:25–12:35 EACTS Award Presentations

Auditorium

12:35–12:40 Presidential Inauguration

Auditorium

12:45–14:00 Residents' Luncheon

Café Amsterdam

14:15–15:45 Focus Session

E103

Guidelines

Moderators: J. Janssen, Nijmegen; R. A. Schmid, Berne; M. Sousa Uva, Lisbon

14:15

How to make clinical guidelines

M. Sousa Uva, Lisbon

14:35

The surgeon's view on the ERS statement on primary spontaneous pneumothorax

G. Cardillo, Rome

14:53

Pulmonologist's view on the ERS statement on primary spontaneous pneumothorax

J. Janssen, Nijmegen

15:11

EACTS statement on pleural empyema

M. Scarci, Cambridge

15:29

How do we follow up lung cancer patients after surgery with curative intent?

M. Taylor, Shrewsbury

14:15-15:45 Abstract Session

E108

Basic science and education

Moderators: H. J. Ankersmit, Vienna; R. R. Guerrero, Liverpool

Learning objectives:

To understand the importance of thoracic training and certification for patient's outcome following lung cancer surgery.

To learn novel cellular and molecular biology strategies for wound healing and tissue repair.

14:15

The impact of certification of general thoracic surgeons on the mortality of surgery for lung cancer: A survey by the Japanese Association for Thoracic Surgery

T. Nagayasu, Nagasaki; S. Sato, Nagasaki; N. Yamasaki, Nagasaki; S. Endo, Shimotsuke; F. Tanaka, Kitakyushu; H. Yokomise, Takamatsu; M. Okumura, Suita

Discussant: P. Rajesh, Birmingham

14:30

Development of a video-assisted thoracoscopic surgery lobectomy program in a single institution: Results before and after completion of the learning curve

A. Gonfiotti, Ponte Buggianese; S. Bongiolatti, Firenze; S. Borgianni, Firenze; R. Borrelli, Firenze; G. Tancredi, Firenze; D. Viggiano, Firenze; L. Voltolini, Siena

Discussant: P. B. Licht, Odense

14:45

Transduced autologous fibroblasts on an acellular dermis scaffold proliferate in host bronchial tissue and enhance bronchial anastomotic healing in a rodent model

E. Roessner; F. Doyon; M. Vitacolonna; C. Tsagogiorgas; P. Hohenberger, Mannheim

Discussant: F. Petrella, Busto Arsizio – Varese

15:00

Dysregulation of the alternative renin-angiotensin system during lung ischemia-reperfusion injury

J. Giellis, Edegem; K. Kehoe, Wilrijk; P. Van Schil, Edegem; P. Cos, Wilrijk; I. De Meester, Wilrijk

Discussant: H. Ankersmit, Vienna

15:15

Patch replacement of left hemidiaphragm in dogs by decellularized heterograft

H. Davari, Tehran; M. Rahim, Tehran; N. Tanideh, Shiraz; M. Sani, Shiraz; A. Rasekhi, Shiraz; A. Monabati, Shiraz; O. Koohi Hosseinabadi, Shiraz; S. Gholami, Shiraz

Discussant: M. Versteegh, Leiden

15:30

Schedule-dependent increased efficiency of pemetrexed-ionizing radiation combination therapy elicits a differential DNA damage response in lung cancer cells

P. Dorn; C. Tièche; L. Froment; R. Peng; R. Schmid; T. Marti, Berne

Discussant: P. Van Schil, Edegem

14:15-15:45 Focus Session

Emerald Room

Preoperative planning, simulation, 3D printing and intra-operative navigation in Cardio-Thoracic surgery

See page 81 for programme details

14:15-15:45 Simulation Session

Endoscopic port access mitral valve repair

See page 46 for programme details

Sublobar resections: Controversies

Moderators: G. A. Patterson, St Louis; H. Porte, Lille

16:00

Functional aspects: Is it a real advantage? Pro

A. Nakas, Leicester

16:15

Functional aspects: Is it a real advantage? Con

F. Puma, Perugia

16:30

Lesion size and histology matter? Pro

P. Van Schil, Edegem

16:45

Lesion size and histology matter? Con

S. Mussot, Le Plessis Robinson

17:00

Anatomic segmentectomy: Feasibility. Pro

D. Waller, Leicester

17:15

Anatomic segmentectomy: Feasibility. Con

G. Stamatis, Essen

Chest wall

Moderators: H. K. Pilegaard, Aarhus; M. P. Tocco, Rome

Learning objectives:

To evaluate the physiological impact of pectus excavatum and to repair.

To learn novel chest wall reconstructive strategies.

16:00

Growth development of patients with pectus excavatum

J. Kim, Seoul; H. J. Park; Uijeongbu

Discussant: J. R. M. De Campos, São Paulo

16:15

Cardiac function in adults following minimally invasive repair of pectus excavatum

S. Udholm; H. K. Pilegaard; V. Hjortdal, Aarhus

Discussant: R. Schmid, Berne

16:30

Thirteen years' experience with the Nuss procedure in pectus excavatum – a single centre report

B. Hokschi; R. Schmid, Berne

Discussant: M. Infante, Rozzano

16:45

Complete video-assisted thoracoscopic first rib resection in thoracic outlet syndrome

J. Hwang; W. Jo; J. S. Shin; B. J. Min, Ansan

Discussant: tba

17:00

Chest wall stabilisation and reconstruction: Short and long-term results five years after the introduction of a new titanium plates system

A. De Palma, Bari; F. Sollitto, Foggia; D. Loizzi, Foggia; F. Di Gennaro, Bari; M. Loizzi, Bari

Discussant: M. Versteegh, Leiden

17:15

Massive chest wall resection and reconstruction for malignant disease

C. N. Foroulis, Kalamaria; A. Kleontas, Thessaloniki; G. Tagarakis, Thessaloniki; C. Nana,

Thessaloniki; I. Alexiou, Thessaloniki; V. Grosomanidis, Thessaloniki; P. Tossios, Thessaloniki;

K. Anastasiadis, Thessaloniki

Discussant: L. Carbone, Rome

16:00–17:30 Simulation Session

F004

Endoscopic port access mitral valve repair

See page 46 for programme details

VATS lobectomy

Moderators: *P. B. Licht, Odense; M. F. Jimenez, Salamanca*

This wetlab will be restricted to 30 participants. Registration is required and is available at the on-site registration. Fee €20

Video session

Moderators: *R. A. Schmid, Berne; P. B. Rajesh, Birmingham; P. Bertoglio, Pisa*

Learning objectives:

To give the participants the opportunity to learn new techniques.

09:00

Tracheal laceration repaired through the rigid bronchoscope. A new technique

K. Iliadis; D. Mallios; A. Krassas; G. Benakis; I. Makri; A. Agiannidou, Athens

09:15

Thoracoscopic repair of pulmonary artery injury

S. Yamashita; A. Iwasaki, Fukuoka

09:30

A novel technique for reconstruction of anterior chest wall: Bridging the clavicles using titanium plates

T. Lacin; L. Alpay; I Yalçınkaya; M. Yuksel, Istanbul

09:45

Middle lobe microlobectomy

M. Elsaegh; J. Dunning, Middlesbrough

10:00

Robotic diaphragmatic plication

M. Elsaegh; J. Dunning, Middlesbrough

10:15

Computer-assisted surgery: Intraoperative navigation for resection and reconstruction of a large thoracic wall tumour involving the vertebral bodies

J. Lutz, Berne

How to do it? With live in a box

See page 91 for details

Raising Standards through Education and Training

Congenital Heart Disease Domain Programme

Congenital

Chair:

Viktor Hraska, Sankt Augustin, Germany
Emre Belli, Massy, France
Konrad Brockmeier, Cologne, Germany
Lucio Careddu, Bologna, Italy
Ben Davies, London, UK
Luca di Chiara, Rome, Italy
Lorenzo Galletti, Bergamo, Italy
Mark Hazekamp, Leiden, the Netherlands
Christian Pizarro, Wilmington, USA

13:00–16:00 Techno College

G104+G105

3D Technology

Moderators: G. Stellin, Padua; J. Thomson, Leeds

13:00

3D imaging of anatomy of congenital heart disease: How can it help?

A. Cook, London

13:20

State of the art of 3D imaging – Echocardiography

J. Marek, London

13:40

State of the art of 3D imaging – Angiography

G. Krings, Utrecht

14:00

State of the art of 3D/4D imaging – Computerised tomography/magnetic resonance imaging

K. Pushparajah, London

14:20

Panel discussion

14:40

Engineering and computer science: How can they help?

T. Luth, Munich

15:00

Existing industrial usage of rapid prototyping

A. Hill, Woking

15:20

Existing medical usage of 3D printing in congenital heart surgery

G. Van Arsdell, Toronto

15:40

Panel Discussion

Moderators: A. Hasan, Newcastle Upon Tyne; B.P. Meyns, Leuven

16:20

How to set up a extracorporeal membrane oxygenation training programme

T. Jones, Birmingham

16:35

Update on hemodynamic monitoring

E. Da Cruz, Aurora

16:50

Is there a 'sweet spot' – does timely decision making improve outcomes?

G. Van Arsdell, Toronto

17:05

How to minimise morbidity on extracorporeal membrane oxygenation

D. Tibboel, Rotterdam

17:20

New escape routes after failed extracorporeal membrane oxygenation

J. Photiadis, Berlin

17:35

Panel discussion: What are the limits of mechanical support – Country based approach

Update on hypoplastic left heart syndrome management

Moderators: *B. Asfour, Sankt Augustin; E. Da Cruz, Aurora*

Learning Objectives:

To provide update on management of HLHS and TOF/PA/MAPCAs. To elaborate tough case management by expert panellists. The films will illustrate complex repairs by experts.

08:15

Parents choice: Termination of pregnancy and compassion care

C. Billardo, Groningen

08:30

Update on Stage 1 Norwood

D. Barron, Birmingham

08:45

Hybrid – Bridge to Norwood/Bridge to Comprehensive St. II

V. Tsang, London

09:00

Inter-stage mortality and morbidity

C. Pizarro, Wilmington

09:15

Beyond the second stage – right ventricle dysfunction; tricuspid valve regurgitation

T. Spray, Philadelphia

09:30

Panel discussion

08:15–11:45 Safer surgery for whom?

See page 27 for details

08:15–16:00 Nurse and Nurse
Physician Programme

See page 39 for details

10:15–11:45 Postgraduate Education

Update on Tetralogy of Fallot with pulmonary valve atresia and major aortopulmonary collateral arteries

Moderators: *A. Carotti, Rome; B. Davies, London*

10:15

Diagnosis and interventions

F. Berger, Berlin

10:35

Unifocalisation of pulmonary atresias

R. Di Donato, Riyadh

10:55

Rehabilitation of pulmonary atresias

C. Brizard, Melbourne

11:15

Long term outcomes and quality of life

P. Del Nido, Boston

11:30

Panel discussion

11:55-13:15 Plenary Session

Auditorium

CanBetter: optimising training programmes in cardio-thoracic surgery

See page 30 for details

13:45-14:45 Postgraduate Education

G106+G107

Meet the experts

Moderators: P. Del Nido, Boston; M. Hazekamp, Leiden; W. Brawn, Birmingham

13:45

Case 1

C. Pizarro, Wilmington

14:00

Case 2

V. Hraska, Sankt Augustin

14:15

Case 3

V. Vida, Padua

14:30

Case 4

E. Belli, Le Plessis-Robinson

13:45-15:45 Women in cardiac surgery

F003

See page 36 for details

Surgical film session

Moderators: R. A. Cesnjevar, Erlangen; O. Ghez, London

14:45

Biventricular repair of hypoplastic left heart syndrome complex

V. Hraska, Sankt Augustin

15:00

Repair of complex transposition of the great arteries

E. Belli, Le Plessis-Robinson

15:15

Repair of truncus arteriosus

M. Nosal, Bratislava

15:30

Repair of aberrant aortic origin of coronaries

M. Hazekamp, Leiden

15:45

Repair of Taussig-Bing heart with interruption of aortic arch

M. Kostolny, London

16:00

Repair of interrupted aortic arch with aorto-pulmonary window

A. Kadner, Berne

A lifetime living with transposition of the great arteries – Part I

Moderators: *P. Del Nido, Boston; A. Polimenakos, Danville*

Learning objectives:

To understand complexity of surgical management of transposition of the great arteries.

08:15

Morphology of simple and complex transposition of the great arteries

M. Jongbloed, Leiden

08:30

How to help surgeons

S. Fratz, Munich

08:45

Key points of surgical repair

E. Belli, Le Plessis-Robinson

09:00

Conotruncal defects – different gene expression in neonatal aortic tissue

S. Sandrio; P. Schrüfer; A. Purbojo; A. Ruffer; S. Dittrich; R. Cesnjevar, Erlangen

Discussant: A. Bogers, Rotterdam

09:15

Mentoring new surgeons: Can we avoid the learning curve?

S. Mussa; N. Drury; J. Stickley; N. Khan; T. Jones; D. Barron; W. Brawn, Birmingham

Discussant: P. Van De Woestijne, Rotterdam

09:30

Caution for aortopulmonary collateral arteries in neonates and infants with transposition of the great arteries in current era

M. Sugano; K. Imai; K. Kanno; K. Sakamoto; H. Ito; Y. Ide; M. Murata; M. Ishido, Shizuoka

Discussant: K. Brockmeier, Cologne

09:45 Break

08:15–09:45 Work in progress

Emerald Room

See page 45 for details

08:15–09:45 Endoscopic port access
mitral valve repair

F004

See page 46 for details

A lifetime living with transposition of the great arteries and left ventricular outflow tract obstruction – Part II

Moderators: *M. Danton, Glasgow; T. L. Spray, Philadelphia*

10:15

Key points of surgical repair

V. Hraska, Sankt Augustin

10:30

Long term outcomes and quality of life

M. Hazekamp, Leiden

10:45

Guidelines on transposition of the great arteries

G. Sarris, Athens

11:00

Excellent long-term outcome after correction of transposition of the great arteries associated with ventricular septal defect and left ventricular outflow tract obstruction: Proper selection of the surgical strategy is crucial

B. Bierbach, Altenholz; P. Suchowerskyj, Sankt Augustin; H. Blaschczok, Sankt Augustin; S. Schroth, Sankt Augustin; M. Schneider, Sankt Augustin; B. Asfour, Sankt Augustin; V. Hraska, Sankt Augustin

Discussant: *P. Del Nido, Boston*

11:15

The functional status of neo-aortic valve and left ventricular outlet tract after arterial switch operation for transposition of great arteries with left ventricular outlet tract obstruction

Y. Chang; S. J. Li, Beijing

Discussant: *F. Lacour-Gayet, London*

11:30

Reoperation for right ventricular outflow tract obstruction after arterial switch operation for transposition of the great arteries and aortic arch obstruction

R. Bokenkamp, Leiden; E. Aguilar, Leiden; R. Palen, , Leiden; V. Sojak, Leiden; E. Bruggemans, Leiden; J. Hruuda, Amsterdam; I. Kuipers, Amsterdam; M. Hazekamp, Leiden

Discussant: *R. Mair, Linz*

Meet the experts

Moderators: *E. Quintana, Barcelona; F. Kari, Freiburg; M. Siepe, Bad Krozingen*

See page 52 for details

All you need to know for your next research project

See page 51 for details

10:15–11:45 Competition

F002

EACTS Cardio-Thoracic masters – Jeopardy

See page 52 for details

10:15-11:45 Simulation Session

F004

Endoscopic port access mitral valve repair

See page 46 for details

11:50-12:30 Plenary Session
The Presidential Address

Auditorium

The power of surgery

M. Grabenwöger, Vienna

12:45–14:00 Focus Session

F002

Cardiothoracic surgery residents – where do we come from and where are we heading

See page 53 for details

14:15–15:45 Abstract Rapid Response Session

E102

Moderators: M. Kostolny, London; J. Fragata, Lisbon; R. Prêtre, Lausanne; D. Barron, Birmingham

14:15

Results of conversion from former classical Fontan to total cavopulmonary connection: A two centre, German and Japanese experience

H. Seki, Leipzig; F. Bakhtiary, Leipzig; M. Vollroth, Leipzig; M. Kostelka, Leipzig; M. Ando, Fuchu; Y. Takahashi, Fuchu

14:24

A simple surgical technique to prevent atrial re-entrant tachycardia in surgery for congenital heart disease

A. Hosseinpour; A. Adsuar-Gómez; A. González-Calle; A. Pedrote; E. Arana-Rueda; L. García-Riesco; J. M. Borrego-Domínguez; A. Ordóñez-Fernández, Seville

14:33

Comparative evaluation of a novel imaging technique: four-dimensional flow magnetic resonance imaging and streamline visualization for flow quantification across the atrioventricular valve in patients with functional univentricular heart after Fontan's surgery versus healthy controls – a pilot study

H. She, Hong Kong; J. Westenberg, Leiden; R. Van Der Geest, Leiden; A. Roest, Leiden

14:42

Granulocyte colony stimulating factor (G-CSF) significantly decreases density of Caspase-3, an essential component of apoptotic injury, in a model of ischemic neonatal brain injury

P. Pastuszko, Kansas City; J. Kubin, Philadelphia; D. Wilson, Philadelphia; A. Pastuszko, Philadelphia

14:51

Three years' clinical outcome of perventricular off-pump versus conventional ventricular septal defects closure: A randomised comparison

A. Omelchenko; G. Zaitsev; Y. Gorbatykh; A. Bogachev-Prokopiev; A. Voitov, Novosibirsk

15:00

Long-term results of novel modification to the lateral tunnel Fontan procedure for the prophylaxis of intra-atrial re-entrant tachycardia

H. Lim; J. R. Lee; Y. J. Kim, Seoul

15:09

Cylinder reconstruction of tricuspid valve in children using decellularised equine pericardium

O. Fedevych; Y. Mykychak; O. Boiko; R. Tammo; I. Yemets, Kiev

15:18

A staged decompression of right ventricle allows anatomic and physiologic growth of right-sided heart and subsequent biventricular repair in patients with pulmonary atresia and intact ventricular septum

Y. Kotani; Y. Fujii; T. Eitoku; Y. Kuroko; S. Arai; S. Kasahara; S. Sano, Okayama

15:27

Forty-year experience with surgical repair of congenital mitral valve stenosis

M. Carozzini; M. Padalino; V. Vida; C. Rasola; M. Comisso; A. C. Frigo; O. Milanese; G. Stellin, Padua

15:36

Biventricular repair of double outlet right ventricle with non-committed ventricular septal defect

K. H. Hsu; C. Chang; S. Huang; Y. Chen; I. Chiu, Taipei

16:00–17:30 Fontan circulation

G106+G107

Moderators: C. Salih, London; L. Galletti, Bergamo

16:00

Risk stratification of patients with single ventricle physiology by late gadolinium enhancement cardiac magnetic resonance imaging

T. Goto, S. Ishigami, D. Ousaka, S. Kasahara, S. Sano, H. Oh; Okayama (Japan)

Discussant: T. Ebels, Groningen

16:15

Clinical outcome following total cavopulmonary connection - a twenty-year single centre experience

M. Ono, R. Lange, A. Hager, J. Cleuziou, J. Kasnar-Samprec, M. Burri, C. Schreiber, J. Hoerer; Munich (Germany)

Discussant: K. Miyaji, Sagamihara

16:30

Modification of hemi-Fontan operation for patients with functional single ventricle and anomalous pulmonary venous connection to the superior vena cava: Midterm results
H. Ito, M. Murata, Y. Ide, M. Sugano, K. Kanno, K. Imai, K. Sakamoto; Shizuoka (Japan)

Discussant: A. Amodeo, Rome

16:45

Impact of age at bidirectional cavopulmonary anastomosis on pulmonary artery size and haemodynamics after non-fenestrated Fontan operation

S. Shiraishi¹, T. Nakano², K. Hinokiyama², S. Oda², S. Fujita², J. Ikarashi², H. Kado²; ¹Niigata city (Japan), ²Fukuoka (Japan)

Discussant: V. Tsang, London

17:00

The advantage of Fontan conversion before the occurrence of late Fontan complication
A. Higashida, K. Kagisaki, T. Hoashi, K. Morimoto, T. Yagihara, H. Ichikawa; Suita (Japan)

Discussant: G. Stellin, Padua

17:15

Impaired pulmonary function is an additional potential mechanisms for the reduction of functional capacity in clinically stable Fontan patients

A. Turquetto, L. F. Caneo, D. Agostinho, M. I. Lopes, P. Trevizam, F. Fernandes, P. Oliveira, M. Jatene; Sao Paulo (Brazil)

Discussant: A. Bogers, Rotterdam

16:00–17:30 Training in Research Session

F003

How to statistically analyse your next research project

See page 64 for details

16:00–17:30 Simulation Session

F004

Endoscopic port access mitral valve repair

See page 46 for details

Tetralogy of Fallot

Moderators: *M. Helvind, Copenhagen; C. Brizard, Melbourne*

08:15

The fate of tricuspid regurgitation in the patients undergoing pulmonary valve replacement after repair of tetralogy of Fallot

Y. R. Shin; Y. Park; H. J. Shin; H. K. Park, Seoul

Discussant: A. Giamberti, Milan

08:30

Indications and results of systemic to pulmonary shunts – outcomes of 2145 consecutive patients from a national database

D. Dorobantu, Bristol; R. Pandey, Bristol; M. Sharabiani, London; A. Mahani, Washington G. Angelini, Bristol; R. Martin, Bristol; S. Stoica, Bristol

Discussant: I. Mattila, Helsinki

08:45

Factors affecting death and progression towards next stage following modified Blalock-Taussig shunt in neonates

B. Alsoufi; M. Mori; M. Clabby; K. Kanter; B. Kogon, Atlanta

Discussant: K. Francois, Ghent

09:00

Multistage pulmonary artery rehabilitation for pulmonary atresia/ventricular septal defect with hypoplastic pulmonary artery

K. Ma; Q. Chen; S. Li; Z. Hua; K. Yang; J. Yan; X. Wang; H. Gao, Beijing

Discussant: S. Sano, Okayama

09:15

Factors associated with progression of right ventricular enlargement after repair of tetralogy of Fallot based on serial cardiac magnetic resonance imaging

Y. R. Shin; H. J. Shin; Y. Park; H. K. Park, Seoul

Discussant: J. Rubay, Brussels

09:30

Predictors for ventricular tachyarrhythmia late after intracardiac repair for tetralogy of Fallot

S. Shiraishi; M. Takahashi; M. Watanabe; A. Sugimoto; J. Moon; M. Tsuchida, Niigata

Discussant: R. Prete, Lausanne

Paediatric and congenital cardiac activities in emerging economies

Moderators: *J. Pepper, London; J. L. Anton-Pacheco, Madrid*

08:15

Paediatric cardiology in emerging countries: Colourful, challenging and rewarding

M. Freund, Oldenburg

08:35

Discussion

08:45

Surgical safari versus educational program

A. Corno, Leicester

09:05

Discussion

09:15

Paediatric cardiac intensive care unit by five senses: Sight, sound, smell, touch and taste

S. Nichani, Leicester

09:35

Discussion

08:15–09:45 Training in Research Session

F003

A summary of essentials for your next research project

See page 70 for details

10:15–11:45 Abstract Session

G106+G107

Valve surgery

Moderators: D. Cameron, Baltimore; M. Pozzi, Ancona

10:15

Valve sparing root replacement in children

J. Kluin, Utrecht; D. Koolbergen, Amsterdam; V. Sojak, Leiden; M. Hazekamp, Leiden

Discussant: D. Barron, Birmingham

10:30

Valve-sparing aortic root replacement in adult patients previously operated for congenital heart defects: An initial experience

G. Baliulis, Southampton; J. Ropponen, Helsinki; T. Salmon, Southampton; M. Kaarne, Southampton

Discussant: D. Cameron, Baltimore

10:45

Twenty years' experience with the Ross-Konno procedure

A. Schneider; R. Bökenkamp; M. Hazekamp, Leiden

Discussant: B. Meyns, Leuven

11:00

Ross upgrade: Making virtue out of necessity?

F. Gandolfo, Rome; F. De Rita, Newcastle upon Tyne; B. Murtuza, Newcastle upon Tyne;

A. McBrien, Newcastle upon Tyne; D. Crossland, Newcastle upon Tyne; J. O'Sullivan,

Newcastle upon Tyne; H. Hasan, Newcastle upon Tyne; M. Griselli, Newcastle upon Tyne

Discussant: C. Pizarro, Wilmington

11:15

Decellularized, fresh homografts for pulmonary valve replacement: A decade of clinical experience

A. Horke; S. Sarikouch; I. Tudorache; P. Beerbaum; M. Westhoff-Bleck; D. Boethig;

A. Haverich; S. Cebotari, Hannover

Discussant: L. Galletti, Bergamo

11:30

Follow up after tricuspid valve surgery in patients with systemic right ventricles

D. Koolbergen, Amsterdam; Y. Ahmed, Leiden; B. Bouma, Amsterdam; R. Scherptong,

Leiden; H. Vliegen, Leiden; E. Holman, Leiden; B. Mulder, Amsterdam; M. Hazekamp, Leiden

Discussant: T. Tlaskal, Prague

10:15–11:45 Training in Research Session

F003

Clinical studies

See page 74 for details

10:15–11:45 Training in Research Session

Emerald Room

Nightmares in cardiothoracic surgery

See page 75 for details

10:15–11:45 Simulation Session

F004

Endoscopic port access mitral valve repair

See page 46 for details

11:50–12:20 Plenary Session
The Honoured Guest Lecture
Medical aspects in space industry
A. Kuipers, Amsterdam

Auditorium

12:25–12:35 EACTS Award Presentations

Auditorium

12:35–12:40 Presidential Inauguration

Auditorium

12:45 – 14:00 Residents' Luncheon

Café Amsterdam

14:15–15:45 Focus Session

G106+G107

Infections and chylothorax

Moderators: B. Maruszewski, Warsaw; J. Hoerer, Le Plessis Robinson

Learning objective:

To understand the principles of treatments of infection and chylothorax complications associated with operations.

14:15

Preoperative and postoperative screening for infection

E. Da Cruz, Aurora

14:35

How to manage prevention bacterial endocarditis in native valve and prosthetic materials: Guidelines for endocarditis prophylaxis

R. Heying, Leuven

14:55

How to manage mediastinitis

R. Prêtre, Lausanne

15:15

Chylothorax – treatment options

T. Spray, Philadelphia

14:15–15:45 Focus Session

Emerald Room

Preoperative planning, simulation, 3D printing and intra-operative navigation in Cardio-Thoracic surgery

See page 81 for details

14:15–15:45 Simulation Session

F004

Endoscopic port access mitral valve repair

See page 46 for details

16:00–17:30 Abstract Session

G106+G107

Congenital miscellaneous

Moderators: S. Cicek, Istanbul; T. Ebels, Groningen

16:00

Expectations and limitations after bilateral pulmonary artery banding

T. Sakurai; H. Sakurai; K. Yamana; T. Nonaka; R. Otsuka; T. Osawa, Nagoya

Discussant: J. Hoerer, Le Plessis-Robinson

16:15

Risk analysis of surgery for low-body-weight neonate and infant with functional single ventricle

K. Imai; M. Murata; Y. Ide; M. Sugano; H. Ito; K. Kanno; M. Ishido; K. Sakamoto, Shizuoka

Discussant: G. Sarris, Athens

16:30

Era effect on survival following paediatric heart transplantation

B. Alsoufi; S. Deshpande; W. Mahle; B. Kogon; K. Kanter, Atlanta

Discussant: M. Huebler, Zurich

16:45

Coronary artery anomalies in general population: Systematic review of 450,116 patients.

G. Liguori; L. Barros; J. Penha; L. Miana; L. F. Canejo; C. Tanamati; V. Aiello; M. Jatene, São Paulo

Discussant: M. Hazekamp Leiden

17:00

Surgical experience in the rehabilitation and re-implantation of disconnected pulmonary arteries and its effectiveness in restoring pulmonary haemodynamics and function

A. Al-Khalidi, Riyadh

Discussant: C. Brizard, Melbourne

17:15

Mid-term results of a selective strategy of anatomic or physiological repair in congenitally corrected transposition of the great arteries: there remains a role for physiological repair in the current era

D. Fajardo; B. Davies; B. Mimic; J. Kirolos; V. Tsang; M. Kostolny, London

Discussant: F. Haas, Utrecht

16:00–17:30 Simulation Session

F004

Endoscopic port access mitral valve repair

See page 46 for details

AoV reconstruction and Senning

Moderators: V. Hraska, Sankt Augustin; M. Hazekamp, Leiden; C. Pizarro, Wilmington

Learning objectives:

To demonstrate different techniques of aortic valve reconstruction and Senning operation.

09:00

Introduction to the Senning operation

V. Hraska, Sankt Augustin

09:10

Live demonstration of the Senning operation technique

10:30

Break

11:00

Introduction to AoV reconstruction

M. Hazekamp, Leiden; C. Pizarro, Wilmington

11:10

Live demonstration of AoV reconstruction technique

Wetlab limited to the first 40 attendees. Registration is required via the registration desks on site. Fee €20.

How to do it? With live in a box

See page 91 for details

Raising Standards through Education and Training

Vascular Disease Domain Programme

Vascular

Chair:

Ruggero De Paulis, Rome, Italy
Joseph Bavaria, Philadelphia, USA
Christian Etz, Leipzig, Germany
Michael Grimm, Innsbruck, Austria
Davide Pacini, Bologna, Italy
K. Tsagakis, Essen, Germany
Timothy Resch, Malmö, Sweden
M. Shrestha, Hannover, Germany
Paul Urbanski, Bad Neustadt, Germany

08:15–09:45 Postgraduate Education

G102+G103

Session 1: Basics in proximal thoracic aortic surgery

Moderators: T. Modine, Lille; L. Botta, Milan; M. Karck, Heidelberg

Learning objectives:

To determine the indication and timing of a proper surgical approach, to choose the optimal technique for a given patient.

08:15

A comparison between US and European Guidelines

M. Grabenwöger, Vienna

08:30

Beyond diameter, the role of age and genetics to reach a timely indication

E. Arbustini, Pavia

08:45

Natural history of 40-50mm root/ascending aortic aneurysms in the current era of dedicated thoracic aortic clinics

F. Dagenais; M. Gagne-Loranger; E. Dumont; S. Mohammadi; P. Voisine, Quebec

Discussant: F. Kari, Freiburg

09:00

Guidelines-driven indications for aorticopathy in bicuspid syndrome

T. Sundt, Boston

09:15

Is an individualised approach to bicuspid aorticopathy possible?

H. Schäfers, Homburg/Saar

09:30

New Integrated surgical classification (ARO) to guide bicuspid aortic valve repair

M. Laflamme, Montreal; O. Nawaytou, Brussels; M. Pagé, Brussels; S. Mastrobuoni,

Brussels; J. Vanoverschelde, Brussels; L. De Kerchove, Brussels; G. El Khoury, Brussels

Discussant: A. Della Corte, Naples

08:15–11:45 Safer surgery for whom?

G104+G105

See Page 27 for details

08:15–16:00 Nurse and Nurse
Physician Programme

E108

See Page 39 for details

10:15–11:45 Postgraduate Education

G102+G103

Session 2: Basics in proximal thoracic aortic surgery

Moderators: F. Emrich, Leipzig; A. Oo, Liverpool

10:15

Extent of ascending and arch resection in connective tissue diseases

M. Grimm, Innsbruck

10:30

Aortic elongation as a risk factor for type A aortic dissection

T. Krüger; O. Forkavets; K. Veseli; H. Lausberg; L. Vöhringer; W. Schneider; C. Schlensak, Tübingen

Discussant: M. Czerny, Freiburg

10:45

Management of the aortic root in Type A dissection: When repair, when replace

D. Pacini, Bologna

11:00

Sparing the aortic root in acute aortic dissection type-A: Risk reduction or gross negligence?

S. Peterss, Munich; J. Dumfarth, Leipzig; N. Bonaros, Innsbruck; J. Rizzo, Stony Brook; H. Fang, New Haven; B. Ziganshin, New Haven; M. Grimm, Innsbruck; J. Elefteriades, New Haven

Discussant: E. Beckmann, Hannover

11:15

Is there a place for thoracic endovascular aortic repair in the ascending aorta?

A. Khoynezhad, Los Angeles

11:30

The results of the aortic arch aneurysm requiring zone 0 landing using endovascular repair

T. Kudo, Suita; Y. Sawa, Osaka; K. Toda, Suita; T. Ueno, Suita; K. Masada, Suita

Discussant: K. Y. Park, Seoul

CanBetter: optimising training programs in Cardio-thoracic surgery

See Page 30 for details

Session 3: Outcome and follow up after major thoracic aortic surgery

Moderators: J. Pirk, Prague; J. Bachet, Nogent sur Marne; B. Rylski, Freiburg

Learning objectives:

To evaluate early and late results after major aortic surgery and to establish optimal follow-up protocols

13:45

Surveillance protocol after surgery for type A dissection

C. Hagl, Munich

13:55

Mid and long-term results of hybrid aortic arch replacement versus open surgery

K. Widenka, Rzeszow

14:05

Predictors of outcome in uncomplicated type B dissection: The role of imaging

C. Nienaber, Rostock

14:15

Long-term results of endovascular treatment of blunt traumatic aortic injury

J. Kokotsakis, Athens

14:25

Outcomes of thoracic endovascular aortic repair for acute traumatic rupture; rational and implications in establishing specific imaging guidelines for follow-up

F. Dagenais; M. Gagne-Loranger; E. Dumont; P. Voisine, Quebec

Discussant: T. Kuratani, Osaka

See Page 36 for details

Session 4: Thoraco-abdominal aneurysms revisited

Moderators: *M. A. A. M. Schepens, Bruges; T. Sioris, Tampere; F. Kari, Freiburg*

Learning objectives:

Understanding the risk of this peculiar pathology in order to prevent potential complications. To learn how reach the proper indication for treatment and tailor the surgical or endovascular approach for each single patient.

14:45

Understanding the collateral network and its clinical implications

C. D. Etz, Leipzig

14:55

Organ protection for thoraco-abdominal replacement

G. Weiss, Vienna

15:05

Validating collateral network near-infrared spectroscopy (cnNIRS) for real-time monitoring of spinal cord oxygenation

K. Von Aspern; J. Haunschild; A. Hoyer; F. Bakhtiary; M. Misfeld; F. Mohr; C. D. Etz, Leipzig

Discussant: M. Iafrancesco, Birmingham

15:15

Hybrid repair. Absolute indication, contraindication and unsolved issues

K. Tsagakis, Essen

15:25

Open surgical treatment: When it is still indicated?

M. A. A. M. Schepens, Bruges

15:35

Total endovascular repair. It will be the standard of care?

P. Kasprzak, Regensburg

Arch involvement in acute aortic dissection: A surgical challenge EACTS/STS

Moderators: R. De Paulis, Rome; N. Desai, Philadelphia; J. Dumfarth, Innsbruck

Learning objectives:

To understand the best approach in emergency surgery for various type of acute dissection. In which condition should we prefer a more conservative approach, and when is strongly indicated to be more aggressive?

08:15

Acute type A: Pro arch repair

H. Jakob, Essen

08:20

Acute type A: Con arch repair

D. Johnston, Cleveland

08:25

Discussion

08:35

Regional and directional compliance and failure stress of the healthy aorta – a porcine model ex vivo study

T. Krüger; K. Veseli; H. Lausberg; L. Vöhringer; W. Schneider; C. Schlensak, Tübingen

Discussant: A. Juraszek, Warsaw

08:50

Systolic flow displacement using three-dimensional cardiac magnetic resonance imaging in an experimental model of ascending aortic aneurysm: Are we underestimating rheology?

A. Ayaon Albarran, Madrid; R. Fernández-Jimenez, Madrid; J. Silva, Oviedo; J. Agüero Ramón-Llín, Madrid; J. Sanchez Gonzalez, Madrid; F. J. Reguillo, Madrid; L. C. Maroto Castellanos, Madrid; B. Ibanez Madrid

Discussant: K. Kallenbach, Heidelberg

09:05

Temperature management: As cold as possible

J. Elefteriades, New Haven

09:10

Temperature management: As warm as possible

A. Moritz, Frankfurt

09:15

Discussion

09:25

Should right subclavian artery cannulation in type A aortic dissection with dissected innominate artery be prohibited?

B. Rylski, Freiburg; F. Kari, Freiburg; F. Beyersdorf, Freiburg; M. Siepe, Freiburg; H. Adachi, Saitama; A. Yamaguchi, Saitama; R. Itagaki, Saitama; N. Kimura, Saitama

Discussant: A. Lenos, Bad Neustadt

09:40

EACTS Position paper: Frozen elephant trunk

M. Czerny, Freiburg

Work in Progress

Moderators: *F. Kari, Freiburg; D. J. Chambers, London*

See Page 45 for details

08:15–09:45 Simulation Session

Endoscopic port access mitral valve repair

See Page 46 for details

10:15–11:45 Focus Session

Uncertainties in the treatment of chronic dissection EACTS/STS

Moderators: *M. Czerny, Freiburg; A. Pochettino, Rochester*

Learning objectives:

To understand the optimal timing for the treatment of a chronic dissected aorta.
To discriminate between the advantages and disadvantages of an endovascular approach versus a standard surgical treatment.

10:15

Optimal treatment of type B dissection in connective tissue disorder patient
M. Jacobs, Maastricht

10:25

Open surgery of chronic aortic dissection: Examination of 371 elective cases
T. Fujikawa, Kawasaki
Discussant: *G. Esposito, Bergamo*

10:40

Chronic dissection with visceral arteries originating from different lumens. What is the best strategy? Surgical
P. Urbanski, Bad Neustadt

10:45

Chronic dissection with visceral arteries originating from different lumens. What is the best strategy? Endovascular
E. Roselli, Cleveland

10:50

Discussion

11:00

Novel and simple exposure for extended descending and thoracoabdominal aortic replacement: Straight incision with rib-cross thoracotomy
K. Minatoya; H. Sasaki; H. Tanaka; Y. Seike; T. Itonaga; T. Oda; Y. Inoue; J. Kobayashi, Osaka
Discussant: *M. Schepens, Bruges*

11:15

Is frozen elephant trunk always indicated in type A chronic dissection?
R. Di Bartolomeo, Bologna

11:25

Whole body perfusion in patients undergoing frozen elephant trunk for type A acute aortic dissection: Early experience

G. Esposito, Bergamo; G. Cappabianca, Varese; S. Bichi, Bergamo; A. Cricco, Bergamo; C. Roscitano, Bergamo; G. Albano, Bergamo; M. Parrinello, Bergamo; C. Beghi, Varese

Discussant: A. Martens, Hannover

10:15–11:45 Focus Session

Emerald Room

Meet the experts

Moderators: E. Quintana, Barcelona; F. Kari, Freiburg; M. Siepe, Bad Krozingen

See Page 52 for details

10:15–11:45 Training in Research Session

F003

All you need to know for your next research project

See Page 51 for details

10:15–11:45 Competition

F002

EACTS Cardio-Thoracic masters – Jeopardy

See Page 52 for details

10:15–11:45 Simulation Session

F004

Endoscopic port access mitral valve repair

See Page 46 for details

11:50–12:30 The Presidential Address

Plenary Session

The power of surgery

M. Grabenwöger, Vienna

12:00–13:00 Focus Session

F002

Cardiothoracic surgery residents where do we come from and where are we heading

See Page 53 for details

A broad view on acute dissection

Moderators: *D. Pacini, Bologna; M. Kirsch, Paris*

Learning objectives:

For a better understanding of peculiar anatomical situations following an acute aortic dissection.

14:15

Acute type non-A non-B: Pro arch repair

P. Urbanski, Bad Neustadt

14:20

Acute type non-A non-B: Con arch repair

M. Czerny, Freiburg

14:25

Discussion

14:30

Surgical outcomes for type A acute aortic dissection with aggressive primary entry resection

Y. Inoue; K. Minatoya; H. Sasaki; H. Tanaka; Y. Seike; T. Itonaga; T. Oda; J. Kobayashi, Osaka

Discussant: R. Haaverstad, Bergen

14:45

Fifteen years of surgery for acute type A aortic dissection in moderate systemic hypothermia

A. Zierer, Frankfurt am Main; A. El-Sayed Ahmad, Frankfurt am Main; L. Rings, Frankfurt am Main; N. Papadopoulos, Frankfurt am Main; A. Moritz, Frankfurt; A. Diegeler, Bad Neustadt/Saale; P. Urbanski, Bad Neustadt

Discussant: F. Santini, Genoa

15:00

Risk analysis of contemporary aortic arch repair using prefabricated branched grafts

A. Martens; E. Beckmann; T. Kaufeld; F. Fleissner; J. Umminger; N. Koigeldiyev; A. Haverich; M. Shrestha, Hannover

Discussant: K. Tsagakis, Essen

15:15

Blood flow analysis of aortic arch using computational fluid dynamics

S. Numata, Kyoto; K. Itatani, Sagamihara; K. Kanda, Kyoto; K. Doi, Kyoto; S. Yamazaki, Kyoto; H. Yaku, Kyoto

Discussant: L. P. Weltert, Rome

15:30

Acute type A dissection in octogenarians: Does emergency surgery impact long-term survival?

J. Dumfarth, Leipzig; S. Peterss, Munich; M. Luehr, Leipzig; C. D. Etz, Leipzig; B. Ziganshin, New Haven; M. Grimm, Innsbruck; J. Elefteriades, New Haven; F. Mohr, Leipzig

Discussant: B. Torfason, Reykjavik

All you need to know for your next research project – part II

See Page 59 for details

Pro and cons debates

See Page 58 for details

Endoscopic port access mitral valve repair

See Page 46 for details

A 4D view of the aortic root

*Moderators: W. Harringer, Braunschweig; D. Aicher, Homburg/Saar; S. Salizzoni, Torino***Learning objectives:**

Understanding the aortic root function for an individualized approach in different anatomical and clinical presentation.

16:00

Aortic root haemodynamics following David procedure: Numerical analysis of three-dimensional haemodynamics

*D. Berdajs, Toronto; M. Selim, Lausanne; Z. Forro, Zurich; M. Burki, Lausanne; L. Von Segesser, Lausanne**Discussant: R. Almeida, Cascavel***16:15**

Surgical management of aortic root in type A acute aortic dissection: A propensity-score analysis

*S. Castrovinci, D. Pacini; P. Berretta; M. Cefarelli; G. Murana; L. Di Marco; M. Di Eusanio; R. Di Bartolomeo, Bologna**Discussant: P. Oberwalder, Graz***16:30**

Dilatation of the proximal aorta does not progress after an isolated aortic valve replacement for bicuspid aortic valve stenosis: Magnetic resonance imaging follow-up study

*E. Girdauskas, Bad Berka; M. Rouman, Bad Berka; K. Disha, Bad Berka; M. Secknus, Bad Berka; G. Dubszlaff, Bad Berka; B. Fey, Bad Berka; M. Borger, Leipzig; T. Kuntze, Bad Berka**Discussant: F. Khaliel, Riyadh***16:45**

Acute aortic dissection involving the root: Early and long-term results after curative proximal repair

*P. Urbanski; A. Lenos; V. Irimie; P. Bougioukakis; M. Zacher; A. Diegeler, Bad Neustadt**Discussant: E. Quintana, Barcelona*

17:00

Impact of positional relationship of commissures on cusp function after valve sparing root replacement for regurgitant bicuspid aortic valve

S. Miyahara; Y. Nomura; A. Kitamura; S. Sato; H. Takahashi; T. Inoue; M. Matsumori; Y. Okita, Kobe

Discussant: A. Mangini, Milan

17:15

Aortic root surgery. Do high volume, specialist centres improve outcomes?

R. Bilkhu; G. Soppa; J. Smelt; P. Youssefi; A. Child; M. Edsell, J. Van Besouw; M. Jahangiri, London

Discussant: J. Holfeld, Innsbruck

16:00–17:30 Focus Session

Emerald Room

Live-heart-team of complex pathologies

See Page 63 for details

16:00–17:30 Training in Research Session

F003

How to statistically analyse your next research project

See Page 64 for details

16:00–17:30 Simulation Session

F004

Endoscopic port access mitral valve repair

See Page 46 for details

Inflammatory and infectious aortic disease: A difficult environment

Moderators: R. Benetis, Kaunas; C. A. Mestres, Abu Dhabi; A. Martens, Hannover

Learning objectives:

To appreciate the various peculiar aspect of aortic inflammatory diseases and learn the process of diagnosis leading to the correct surgical approach.

08:15

Inflammatory aortic diseases. Clinical and histopathological features

J. Maleszewski, Rochester

08:30

What is the best tool to reach a diagnosis? The role of CT scans and PET

B. Saleem, Nuremberg

08:45

Medical therapy and proper surgical timing

Y. Okita, Kobe

09:00

Giant cell aortitis: Clinical presentation and surgical outcomes in forty consecutive patients

F. Dagenais; M. Gagne-Loranger; E. Dumont; D. Kalavrouziotis; P. Voisine; S. Mohammadi, Quebec

Discussant: A. Parolari, Milan

09:15

How to deal with an infected vascular prosthesis

T. Carrel, Berne

09:30

Surgical management of graft infections of the thoracic aorta

J. Umminger; A. Martens; H. Krueger; E. Beckmann; T. Kaufeld; F. Fleissner; A. Haverich; M. Shrestha, Hannover

Discussant: M. Pichlmaier, Munich

A summary of essentials for your next research project

See Page 70 for details

Innovation and new strategies in thoracic aortic surgery

Moderators: C. D. Etz, Leipzig; M. Bashir, Liverpool; T. Kaufeld, Hannover

10:15

Moderate hypothermia (24°C or above) with hypothermic circulatory arrest for proximal aortic operations in 123 patients with previous cardiac surgery

O. Preventza; A. Garcia; S. Kashyap; S. Akvan; D. Cooley; A. Rammou; M. Price; J. Coselli, Houston

10:24

Proximal aortic surgery via mini-sternotomy: Early and mid-term results in 199 patients

F. Emrich; S. Leontyev; J. Pinto; S. Lehmann; C. D. Etz; F. Bakhtiary; M. Misfeld; F. Mohr, Leipzig

10:33

Unilateral antegrade cerebral perfusion and moderate hypothermia: Safety at molecular level

E. U. Unal, Ankara; B. Aytekin, Ankara; A. Demir, Ankara; U. Aksu, Istanbul; K. Vardar, Istanbul; F. Toraman, Istanbul; A. Saritas, Ankara

10:42

Additional distal aortic true lumen stabilisation by uncovered stent in acute type I aortic dissection: First clinical experience

K. Tsagakis; R. Janosi; D. Dohle; P. Kahlert; J. Benedik; D. Wendt; R. Erbel; H. Jakob, Essen

10:51

Thoracic endovascular aortic repair for the degenerative distal arch aneurysm can be a standard procedure for high-risk patients

T. Shijo, Suita; T. Kuratani, Suita; K. Shimamura, Suita; Y. Sawa, Osaka

11:00

Optimal treatment strategies for acute type A intramural hematoma

K. Ye, Buchoen

11:09

Perioperative and mid-term results of endovascular treatment of complicated type B aortic dissection using proximal thoracic endoprosthesis and selective distal bare stenting

S. Kische, Berlin; G. D'Ancona, Palermo; J. C. Belu, Rostock; H. Ince, Berlin

11:18

A computational fluid dynamics based study to identify hemodynamic risk factors for retrograde aortic type A dissections

A. Obwald, Karlsruhe; C. Karmonik, Houston; J. Anderson, Houston; F. Rengier, Heidelberg; M. Karck, Heidelberg; S. Partovi, Cleveland; A. Ruhparwar, Heidelberg

11:27

Unequal pressure distribution along the jaws of currently available vascular clamps

B. Rylski; C. Schmid; F. Beyersdorf; F. Kari; S. Kondov; L. Lutz; M. Czerny; M. Siepe, Freiburg

11:36

Radiopaque marking of the virtual aortic annulus during surgical aortic valve reconstruction may simplify transcatheter valve implantation in the setting of long-term repair failure

M. Siepe; B. Rylski; W. Bothe; E. Zimmer; G. Pache; M. Czerny; F. Beyersdorf; F. Kari, Freiburg

10:15–11:45 Training in Research Session

F003

Clinical studies

See Page 74 for details

10:15–11:45 Focus Session

Emerald Room

Nightmares in cardiothoracic surgery

See Page 75 for details

10:15–11:45 Simulation Session

F004

Endoscopic port access mitral valve repair

See Page 46 for details

11:50–12:20 Plenary Session
The Honoured Guest Lecture
Medical aspects in space industry
A. Kuipers, Amsterdam

Auditorium

See Page 75 for details

12:25–12:35 EACTS Award Presentations

Auditorium

12:35–12:40 Presidential Inauguration

Auditorium

12:45–14:00 Residents' Luncheon

Café Amsterdam

14:15–15:45 Focus Session

G102+G103

Arch repair

Moderators: J. Mascaro, Birmingham; H. G. Jakob, Essen; L. Di Marco, Bologna

Learning objectives:

To understand the proper approach to treatment of arch diseases. When is surgery clearly superior to an endovascular approach and when the endovascular approach significantly decreases the patient's risk?

14:15

Surgical and hybrid arch repair. Indications and technique

J. Bavaria, Philadelphia

14:27

Total endoarch

T. Kölbl, Hamburg

14:39

In situ and chimney repairs – is there a place and do they work?

T. Resch, Malmö

14:51

Up to ten years' experience with E-vita open hybrid graft in complex thoracic aortic disease

H. Jakob; D. Dohle; J. Benedik; M. Thielmann; R. Janosi; D. Wendt; T. Schlosser; K. Tsagakis, Essen

Discussant: G. Weiss, Vienna

15:06

Reoperative arch surgery with and without previous endovascular repair

M. Shrestha, Hannover

15:18

Multicentre analysis of elective arch surgery in the last decade: Still a subject of enormous heterogeneity.

A. Zierer, Frankfurt

15:30

Aortic diameter remodelling after frozen elephant trunk in aortic dissection: Results from an international multicentre registry

M. Iafrancesco, Birmingham; N. Goebel, Stuttgart; D. Pacini, Bologna; G. Weiss, Vienna; S. Leontyev, Leipzig; T. Sioris, Tampere; J. Mascaro, Birmingham; K. Tsagakis, Essen

Discussant: J. Bachet, Nogent sur Marne

14:15–15:45 Focus Session

Emerald Room

Preoperative planning, simulation, 3D printing and intra-operative navigation in Cardio-Thoracic surgery

See Page 81 for details

14:15–15:45 Simulation Session

F004

Endoscopic port access mitral valve repair

See Page 46 for details

A contemporary approach to the aortic valve and aortic root

Moderators: E. Lansac, Paris; M. Misfeld, Leipzig; F. Schoenhoff, Berne

Learning objectives:

To understand the basic principles of aortic valve repair while learning how to prevent recurrence of valve regurgitation. To master the optimal approach to the aortic root in anatomical difficult conditions.

16:00

The role of annuloplasty for aortic valve repair. How to choose among the different proposed options?

R. De Paulis, Rome

16:15

The use of pericardium in aortic valve repair. When is it a durable solution?

G. El Khoury, Brussels

16:30

Valve preserving aortic root surgery. The role of geometry and the needs for leaflet repair

H. Schäfers, Homburg/Saar

16:45

Long term results of external aortic ring annuloplasty for aortic valve repair

E. Lansac, Paris; I. Di Cerna, Suresnes; G. Sleilaty, Paris; A. Berrebi, Paris; N. Kheill, Paris; K. Zannis, Paris; P. Dervanian, Paris; M. Debauchez, Paris

Discussant: L. De Kerchove, Brussels

17:00

Valve sparing in various anatomical bicuspid presentation

C. Antona, Milan

17:15

Root reoperation – tips and tricks

W. Harringer, Braunschweig

Endoscopic port access mitral valve repair

See Page 46 for details

09:00–10:30 Learn from the experts how to do a remodelling or a re-implantation procedure

Moderators: D. Cameron, Baltimore, R. De Paulis, Rome

Teachers for redmodelling

E. Lansac, Paris; P. Urbanski, Bad Neustadt; D. Aicher, Homburg/Saar; G. Mecozzi, Enschede

Teachers for reimplantation

D. Cameron, Baltimore; R. De Paulis, Rome; M. Shrestha, Hannover; L. De Kerchove, Brussels; D. Pacini, Bologna

This wetlab will be restricted to 50 participants per session, split over the two procedures. Registration is required and will be available at the On-Site registration desks where you must choose either remodelling or re-implantation. The session will be repeated. Fee €20.

How to do it? With live in a box

See Page 91 for details

Raising Standards through Education and Training

Exhibition, Satellite Meetings

Industry

Mark your calendar
HEARTMATE 3™



**CE MARK TRIAL DATA
TO BE REVEALED
AT EACTS SYMPOSIUM**

**HeartMate 3: Early
Experiences and Outcomes**

Chairman: Professor Thomas Krabatsch, Berlin

Date: Tuesday, 6 October

Time: 12:45–14:00

Location: Forum Room, RAI Amsterdam

Presentations:

- **Early experience with a less invasive implantation technique for HeartMate 3:**
Doctor Jan Schmitto, Hannover
- **Results of the HeartMate 3 CE Mark Trial:**
Professor Ivan Netuka, Prague
- **Early commercial experience with the HeartMate 3:**
Doctor Serik Bekbossynov, Astana

No registration required. We look forward to seeing you there!

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Techno College Acknowledgements

EACTS is grateful to the following organisations for their educational grants in respect of this year's Techno College:

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Direct Flow Medical GmbH

Edwards Lifesciences

Entourage Medical Technologies Inc.

HeartWare Inc.

Medtronic

Mitralign

Philips Healthcare

Sorin Group

Thoratec Corporation

ValCare Medical

Valtech Cardio

Focus Sessions

The following sessions are supported by unrestricted educational grants from the following Industry partners:

Transcatheter aortic valve implantation: Current and future perspectives (Edwards Lifesciences)

Fast track management (Edwards Lifesciences)

Aortic valve disease and heart failure: How do they connect? (St Jude Medical)

Is minimally invasive cardiac surgery the present and the future of mitral valve repair? (B Braun)

Perioperative complications in cardiac surgery (Abbott Vascular)

Challenging the options for younger patients: Minimising long-term risks with biological valves along the patient journey (Edward Lifesciences)

Better outcomes through optimising international normalised ratio management and anticoagulation in aortic valve replacement (St Jude Medical)

Satellite Meetings

Monday 5 October

	Times	Room
AtriCure Europe BV Does AF ablation also have a role in AVR and CABG patients?	12:45-14:00	Room E106/107
Edwards Lifesciences Innovation in aortic valve therapy: Procedural trends and outcome	12:45-14:00	Forum Room
JOMDD Inc OZAKI's autologous pericardium aortic valve neo-cuspidization	12:45-14:00	Room G109
MAQUET Vertrieb und Service Deutschland GmbH To pump or not to pump? What is the role of intra-aortic balloon pump in cardiac surgery?	12:45-14:00	Room E102
Medos Medizintechnik AG Talking about extracorporeal therapies – There is much more beyond ECMO	12:45-14:00	Room E108
Medtronic International Trading Sàrl Evolution of aortic stenosis treatment options: Perspectives from cardiac surgeons, cardiologists and industry	12:45-14:00	Room G104/105
NeoChord Inc NeoChord workshop	12:45-14:00	Room E103
Somahlution, VGS and Medistim Optimising vein graft outcomes for CABG: New solutions	12:45-14:00	Room E104/105
Sorin Group Italia SRL Current controversies and future perspectives in aortic and mitral fields	12:45-14:00	Emerald Room
St Jude Medical Novel technologies for aortic stenosis, built on close to 40 years of valve expertise, deliver better patient outcomes on short and long term view	12:45-14:00	Room G102/103
Vascutek Ltd Management and treatment of the diseased aortic arch	12:45-14:00	Room G106/107

Tuesday 6 October**Times****Room****AtriCure Europe BV**

Integrated management of persistent atrial fibrillation
– How, when and why

12:45-14:00**Room E106/107****Auto Tissue Berlin GmbH**

The use of decellularized tissue in cardiac surgery

12:45-14:00**Room E108****JOTEC GmbH**

10 Years E-vita OPEN PLUS - a track record

12:45-1400**Room G109****Medtronic International Trading Sàrl**

Mitral valve disease management:

Positioning yourself for success today and tomorrow

12:45-14:00**Room G104/105****PneuX Life Systems**

Improving cardiac surgery outcomes by reducing
ventilator-associated pneumonia rates

12:45-14:00**Room E103****Symetis**

ACURATE TAVI: Easy, stable TAVI for all access
and anatomies

12:45-14:00**Room E102****Thoratec Corporation**

HeartMate 3™: Early experiences and outcomes

12:45-14:00**Forum Room**

Alphabetical List of Exhibitors

Company Name	Booth No:
3-D Matrix Ltd	2.65
AATS-American Association for Thoracic Surgery	3.08
Admedus	2.51
Advancis Surgical	2.72
A&E Medical Corporation	2.73
Andocor NV	2.68
AngioDynamics	2.54B
Argentum Medical LLC - Curasurgical LLC	2.55
Asanus Medizintechnik GmbH	3.26
ATMOS MedizinTechnik GmbH & Co. KG	2.47
AtriCure Europe BV	2.50
Bard Davol	2.22
B. Braun	2.19
Berlin Heart GmbH	3.12
BioCer Entwicklungs-GmbH	2.52
Biointegral Surgical, Inc	2.11
Biometrix BV	2.56
Cardia Innovation AB	2.46
CardiaMed BV	2.25
Cardica GmbH	2.06
Cardio Medical GmbH	2.53A
Carmat	3.29
ClearFlow Inc	2.76
Comed BV (Co-Exhibitor with Lepu)	2.61
Cook Medical	2.41
CorMatrix Cardiovascular Inc	2.52A
CORONEO Inc	2.79
Cryolife Europa Ltd	2.32
CTSNet	3.10
CytoSorbents Europe GmbH	3.10
Delacroix-Chevalier	2.59
Dendrite Clinical Systems Ltd	2.13
De Soutter Medical Limited	3.01
Direct Flow Medical GmbH	2.23
EACTS-Euromacs and QUIP Programme	3.09
EACTS-The European Association For Cardio-Thoracic Surgery	3.17

Edwards Lifesciences	3.16
ESCVersus 2016-European Society for Cardiovascular and Endovascular Surgery	2.78
Eurosets SRL	3.14
Fehling Instruments GmbH & Co KG	3.32
gebemed medical systems gmbh	2.66
GEISTER Medizintechnik GmbH	2.18
Genesee BioMedical Inc	2.36
GUNZE Int'l Europe GmbH	2.67
Hamamatsu Photonics Deutschland GmbH	2.16
Heart and Health Foundation of Turkey	2.74
Heart Hugger / General Cardiac Technology	3.24
HeartWare Inc	2.33
HMT Medizintechnik GmbH	2.70
Inter Medical Services Ltd	2.23A
ISMICS-International Society for Minimally Invasive Cardiothoracic Surgery	3.07
Jena Valve Technology GmbH	2.53
Johnson & Johnson Medical S.p.A.	3.04
JOMDD INC - Japanese Organization for Medical Device Development, Inc	3.28
JOTEC GmbH	3.20B
KLS Martin Group	2.07
Labcor Laboratorios Ltda	2.44
Lepu Medical Technology (Beijing) Co Ltd	2.61
LSI Solutions	3.20
Mani, Inc	2.04
MAQUET	2.31
Master Surgery Systems AS	2.37
MDD Medical Device Development GmbH	2.14
Medela AG	2.63
Medex Research Ltd	2.77
Medical Concepts Europe B.V. (Co-Exhibitor with Wexler Surgical Inc)	3.20C
Medistim ASA	2.20
Medos Medizintechnik AG	2.21
Medtronic International Trading SÁRL	2.28
Meril Life Sciences Pvt. Ltd	2.10
Moeller Medical GmbH	2.22A
NeoChord Inc	3.03
On-X Life Technologies INC™	3.19

Oplnstruments GmbH	2.58
Oxford University Press	2.05
PEMCO Medical	3.02
Peters Surgical	3.22
PneuX Life Systems	2.22C
POSTHORAX	2.54
Qualiteam SRL	2.09
Redax S.p.A.	2.40
ReliantHeart	2.26
RTI Surgical Inc	2.39
Rumex International Co	2.52B
Sage Products	2.12
Scanlan International Inc	2.01
Siemens Healthcare GmbH	2.49
Smartcanula LLC	3.31
Somahlution	2.54A
Sorin Group Italia Srl	3.15
Spectrum Medical	2.48
St Jude Medical	2.30
stroke2prevent	3.25
STS-The Society Of Thoracic Surgeons	3.11
Symetis SA	3.18
SynCardia Systems, Inc.	2.17
TeDan (Co-Exhibitor with Wexler Surgical Inc)	3.20C
Terumo & Vascutek	3.21
The Heart Valve Society	2.53C
The Medicines Company	2.38
Thoratec Corporation	3.13
Tianjin Plastics Research Institute Co Ltd (TPRI)	2.24
Tianjin Welcome Medical Equipment Co Ltd	2.34C
Transonic Europe BV	2.34A
VGS-Vascular Graft Solutions Ltd	2.34
Weigao Group	2.15
Wexler Surgical, Inc.	3.20C
Wisepress Online Bookshop	2.80
WL Gore & Associates GmbH	2.45
WSPCHS-World Society for Pediatric and Congenital Heart Surgery	2.75
Xenosys (Co-Exhibitor with Master Surgery Systems)	2.37
Zimmer Biomet	2.71

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Booth No: 2.65

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AATS-American Association for Thoracic Surgery

Booth No: 3.08

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Email: cvercolen@aats.org Web: www.aats.org

Founded in 1917 by the earliest pioneers in the field of thoracic surgery, the American Association for Thoracic Surgery (AATS) is now an international organization of over 1300 members consisting of the world's foremost cardiothoracic surgeons representing 37 countries. The Annual Meeting, research grants and awards, educational symposia and courses, and the AATS official journal, the Journal of Thoracic and Cardiovascular Surgery all strengthen the commitment to its mission of Promoting Scholarship in Thoracic and Cardiovascular Surgery.

Admedus

Booth No: 2.51

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Booth No: 2.72

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Tel: +32 33801595 Fax: +32 33801590

Email: patrick.rosa@romed.be Web: www.andocor.com

Andocor is a company that designs and manufactures cardiovascular cannulae and catheters used during open-heart surgery. Beside our standard brand products, we also offer OEM services.

AngioDynamics**Booth No: 2.54B**

Haaksbergweg 75 (Margrietoren)
Amsterdam Z-O, 1101 BR, Netherlands
Tel: +31 207532947 Fax: +31 207532939

Email: pjuverdeanu@angiodynamics.com Web: www.angiodynamics.com

The AngioVac venous drainage system.

Argentum Medical LLC - Curasurgical LLC**Booth No: 2.55**

2571 Kaneville Court
Geneva, IL 60134, United States of America
Tel: +31 6100624696 Fax:

Email: ssmidtman@silverlon.com Web: www.silverlon.com

Argentum medical produce strong anti-microbial permanent silver plated surgical dressing releasing high amounts of Ag ions above the MIC's for fast decolonization of the incision site after application on a save and simple way without residuals or discoloration.

Asanus Medizintechnik GmbH**Booth No: 3.26**

take off Gewerbepark 2
Neuhausen ob Eck, 78579, Germany
Tel: +49 746794740 Fax: +49 7467947450

Email: Philipp.Wolf@asanus.de Web: www.asanus.de

ASANUS is a powerful complete supplier for more than 18.000 different surgical and minimum-invasive instruments especially for the areas of visceral surgery, cardio thoracic surgery, vascular surgery, microsurgery, neurosurgery and ophthalmology. With the development of software for sterile products management, the logistics and quality management is linked with the integral service in the process management of sterile goods. With this ASANUS has developed its business activities in the surgical area and adapted according to the market needs.

ATMOS MedizinTechnik GmbH & Co. KG**Booth No: 2.47**

Ludwig-Kegel-Str. 16

Lenzkirch, 79853, Germany

Tel: +49 76536890 Fax: +49 7653689690

Email: sstankovic@atmosmed.de Web: www.atmosmed.de

ATMOS – innovations for a better life! For more than a century ATMOS MedizinTechnik develops, produces and sells in approx. 80 countries worldwide innovative solutions and products in the business fields ENT, gynaecology, suction- and drainage-systems for the OR and care sector, in cooperation with opinion leaders, users and specialists from research and science. ATMOS MedizinTechnik is a family-run, medium-sized enterprise with headquarter in the Black Forest in Lenzkirch/Germany. With about 280 employees, 5 customer centres in Germany, 13 subsidiaries worldwide and approx. 70 national representatives we are operating worldwide.

AtriCure Europe BV**Booth No: 2.50**

Schiphol Boulevard 127, Tower A, Room 3.10

Schiphol, 1110 BG, Netherlands

Tel: +31 6539 Fax: +31 207005561

Email: edeBoer@atricure.com Web: www.atricure.com

AtriCure, Inc. is focused on innovative RF and cryothermia surgical ablation systems for the treatment of atrial fibrillation. AtriCure's unique method of RF energy titration creates precise low-heat, low energy lesions on cardiac tissue. AtriCure also received CE Mark approval to market the AtriClip for LAA exclusion.

Bard Davol**Booth No: 2.22**

Forest House, Tilgate Forest Business Park, Brighton Road

Crawley, RH11 9BP, United Kingdom

Tel: +44 1293606671

Email: nicola.clayton@crbard.com Web: www.crbard.com

C.R. Bard, Inc. is a leading multinational developer, manufacturer, and marketer of innovative, life-enhancing medical technologies in the product fields of vascular, urology, oncology and surgical speciality. In addition to this extensive suite of products, CR. Bard commercializes through his subsidiary DAVOL an extended BioSurgery product line delivering a growing portfolio of enhanced sealants and hemostatic products to complement surgical techniques across thoracic, cardiovascular, and other surgical specialities.

B. Braun**Booth No: 2.19**

Carretera de Terrassa, 121

Rubi, 8191, Spain

Tel: +34 935866452 Fax: +34 936996330

Email: marie.abdo@bbraun.com Web: www.bbraun.com

B. Braun is one of the world's leading healthcare suppliers offering innovative and high quality products and services for hospitals and medical practices. The Aesculap Division, with competence in the operating theatre for 147 years, focuses on products and services for all of the core processes in surgery. Also in the field of cardiovascular surgery we offer a wide range of premium quality, innovative products, including surgical instruments, sutures, haemostats and various power, navigation and container systems – solutions, which enable the surgeon to perform the most complex operations with confidence and control.

Berlin Heart GmbH**Booth No: 3.12**

Wiesenweg 10
Berlin, 12247, Germany
Tel: +49 3081872650

Email: schubert@berlinheart.de Web: www.berlinheart.de

Berlin Heart is the only company worldwide that develops, produces, and distributes implantable and paracorporeal ventricular assist devices for patients of every age and body size. EXCOR® is a paracorporeal pulsatile VAD for uni- or biventricular support in newborns, children, adolescents, and adults. INCOR® is an implantable axial-flow LVAD for adults. The Berlin Heart EXCOR® Pediatric VAD is approved for use by the FDA under a Humanitarian Device Exemption. All other products are not FDA approved.

BioCER Entwicklungs-GmbH**Booth No: 2.52**

Ludwig-Thoma Strasse 36c
Bayreuth, 95447, Germany
Tel: +49 9217877700 Fax: +49 9217877709

Email: christin.munzert@biocer-gmbh.de Web: www.biocer-gmbh.de

BioCER Entwicklungs-GmbH is a young and innovative medical device company from Bayreuth, Bavaria. We are specialized in research, development and production of innovative medical products made out of biomaterials without animal or human components. BioCER's core technology is the development and production of plant based haemostatic materials for surgical use, as well the supply of synthetic mesh implants with biocompatible surface coatings for hernia repair and breast reconstruction.

Biointegral Surgical, Inc**Booth No: 2.11**

1-200 Britannia Road East
Mississauga, ON, L4Z1S6, Canada
Tel: +1 9052680866 Fax: +1 7753139669

Email: lillian@biointegral-surgical.com Web: www.biointegral-surgical.com

All-biological cardiovascular implants, ranging from heart valves to mitral restoration to biological grafts. Based in Canada.

Biometrix BV**Booth No: 2.56**

Overbroek 10
Gronsveld, 6247 EN, Netherlands
Tel: +31 432041010 Fax: +31 432041012

Email: yonatan@biometrixmedical.com Web: www.biometrixmedical.com

Critical Care and Surgery Consumable Products.

Cardia Innovation AB**Booth No: 2.46**

Lillskogs v. 22
Saltsjobaden, 13334, Sweden
Tel: +46 704962720 Fax: +46 87177339

Email: marie.vanderlinden@cardia.se Web: www.cardiainnovation.com

Manufacturer of CarbonAid and Carbon Mini CO2 diffusers used for de-airing during cardio-thoracic procedures to prevent air embolism.

CardiaMed BV**Booth No: 2.25**

Mandenmakerstraat 15B

Uden, NL-5404 BJ, Netherlands

Tel: +31 413378554 Fax: +31 413353876

Email: joke@cardiamed.com Web: www.cardiamed.com

Cardiamed Rotating Heart Valve - Easy to Implant. CardiaMed B.V. is a joint-venture with MedEng. The headquarters of CardiaMed are based in the Netherlands. Both companies have many years of experience in producing and selling innovative medical devices. The patented CardiaMed prosthetic heart valve is the next step in the evolution of heart valve replacements. The leaflets, made of solid pyrolytic carbon, rotate freely inside the ring (patented) with every beat of the heart. No holes in the ring, so no washing problems.

Cardica GmbH**Booth No: 2.06**

Gottlieb-Daimler-Str. 43

Laichingen, D-89150, Germany

Tel: +49 733392599838 Fax: +49 73339259983

Email: schmidt@cardica.com Web: www.cardica.com

Cardica designs and manufactures proprietary stapling and anastomotic devices for cardiac and laparoscopic surgical procedures. Cardica's technology portfolio is intended to reduce operating time and facilitate minimally-invasive and robot-assisted surgeries. Cardica's MicroCutter XCHANGE® 30, a cartridge-based articulating surgical stapling device with a five-millimeter shaft diameter, is manufactured and cleared for use in a variety of gastrointestinal procedures and appendectomies in the United States, and for a wide range of surgical procedures in Europe. In addition, Cardica manufactures and markets its automated PAS Port proximal anastomosis Systems.

Cardio Medical GmbH**Booth No: 2.53A**

Industriestr. 3A

Langenhagen, 30855, Germany

Tel: +49 5117248548 Fax: +49 5117248550

Email: c.gresitza@cardiomedical.de Web: www.cardiomedical.de

Your innovative partner of medical technology. This year the company CardioMedical GmbH celebrates its 21st anniversary. The company markets advanced medical quality products for the cardiac, thoracic and vascular surgery. Under its own label CardioVision it has been 9 years now that the company offers its high-tech surgical products for minimally invasive surgery and future technologies made in Germany.

Carmat**Booth No: 3.29**

Immeuble l'Etendard - CS 40533 36, avenue de l'Europe

Velizy-Villacoublay, 78140, France

Tel: +33 139456455 Fax: +33 139456451

Email: eric.richez@carmatsas.com Web: www.carmatsa.com

CARMAT develops a bioprosthetic artificial heart that features bovine pericardial tissue for blood contacting surfaces and fully enclosed controls based on embedded sensors and electronics. The company was created in France in 2008 by Pr Alain Carpentier, Airbus Group and Truffle Capital.

ClearFlow Inc**Booth No: 2.76**

1630 S. Sunkist St., Suite E

Anaheim, CA 92806, United States of America

Tel: +1 7149165010 Fax: +1 7149165019

Email: vcaiati@clearflow.com Web: www.clearflow.com

Developed by cardio-thoracic surgeons, PleuraFlow® Active Clearance Technology® (ACT) proactively maintains drainage-catheter patency to ensure optimal evacuation of blood and fluids from the chest cavity. Now you can act early to confidently avoid post-surgical fluid collection, the root cause of Retained Blood Syndrome (RBS).

Comed BV (Co-Exhibitor with Lepu)**Booth No: 2.61**

Comed is a European based Company with the HQ in Bolsward (NL). It is a leading, WW supplier of cardiovascular medical technology devices dedicated to improve the quality of life of the patients and the daily work of the physicians. Comed B.V. was established in 2000, started as a trading and service company. In 2011, we achieved to build up our own product portfolio in interventional cardiology, structural heart disease, peripheral vascular, critical care and IVD by integrating European needs and quality requirements with Chinese manufacture advantages to provide the best technology and solution to the WW health care system.

Cook Medical**Booth No: 2.41**

Sandet 6

Bjæverskov, 4632, Denmark

Tel: +45 56868686 Fax: +45 56868696

Email: Julie.Battre@CookMedical.com Web: www.cookmedical.com

Cook Medical is the industry leader in Lead Extraction devices designed for both the superior and femoral approaches. Our comprehensive line of products can service all of your procedural needs and help you manage costs and inventory levels. The Cook Mechanical Advantage, innovative technologies to fit your patients' needs. Please come to visit us on booth 2.41.

CorMatrix Cardiovascular Inc**Booth No: 2.52A**

1100 Old Ellis Road

Roswell, GA 30076, United States of America

Tel: +1 6785662628 Fax: +1 6785662680

Email: hcatir@cormatrix.com Web: www.cormatrix.com

CorMatrix Cardiovascular, Inc. is a privately held medical device company dedicated to developing and delivering innovative bio-material devices that harness the body's own innate ability to repair damaged heart tissue. The company markets its ECM Technology biomaterial devices for pericardial repair, cardiac tissue repair, vascular repair and CanGaroo ECM Envelope and is currently conducting pre-clinical studies to evaluate future applications in heart failure and cardiovascular applications.

CORONEO Inc**Booth No: 2.79**

9250, Avenue du Parc Suite 514

Montreal, H2N 1Z2, Canada

Tel: +1 5147269658 Fax: +1 5143349778

Email: paolitto@coroneo.com Web: www.coroneo.com

Unique devices for less-invasive cardiac procedures, including: EXTRA-AORTIC RING, an expansible annuloplasty ring to physiologically correct aortic insufficiency in valve repair surgery; COR-VALV System, fully adjustable tissue retractors to enhance exposure during intercostal and sternotomy valve surgery; COR-VASC System, stabilization platform for cost-effective OPCAB; SWIFT-LOOP with integral pledget for effective control of coronary blood flow during robotic and minimally invasive surgery; and PEDIATRIC TITANIUM retractors with custom swivel blades.

Cryolife Europa Ltd**Booth No: 2.32**

Bramley House, The Guildway, Old Portsmouth Road

Guildford, GU3 1LR, United Kingdom

Tel: +44 1483441030 Fax: +44 1483452860

Email: brown.claire@cryolife.com Web: www.cryolife.com

During EACTS we will be exhibiting BioFoam, the latest addition to the BioGlue product range. BioFoam has foaming agents, which polymerise rapidly creating a strong flexible seal to anastomoses and tissue. BioGlue, which can be used as an adhesive, sealant and for tissue reinforcement, clinically proven in over 900,000 procedures worldwide with 450+ clinical publications. PerClot a plant based haemostat absorbs water rapidly, making it the natural choice for all surgical bleeding complications.

CTSNet**Booth No: 3.10**

633 N. Saint Clair, 23rd Floor
Chicago, IL 60611-3658, United States of America
Tel: +1 3122025838 Fax: +1 3122025803
Email: alaw@sts.org Web: www.ctsnet.org

CTSNet (www.ctsnet.org), headquartered in Chicago, Illinois, USA, is the leading international source of online resources related to cardiothoracic surgery, as well as the major hub of the international online community of cardiothoracic surgeons and allied health care professionals.

CytoSorbents Europe GmbH**Booth No: 2.42**

Boelschestrasse 116
Berlin, 12587, Germany
Tel: +49 3065499145 Fax: +49 3065499146
Email: sabine.steiner@cytosorbents.com Web: www.cytosorb-therapy.com

CytoSorbents corporation is a critical care focused immunotherapy company using blood purification to modulate systemic inflammation – with the goal of preventing or treating multi-organ failure in life-threatening illnesses. Its purification technology is based on biocompatible, highly porous polymer beds that can actively remove toxic substances from blood and other bodily fluids by pore capture and absorption.

Delacroix-Chevalier**Booth No: 2.59**

Rue Renee et Louis Landanger
Chaumont Cedex 9, 52906, France
Tel: +33 325021036 Fax: +33 325021020
Email: ddutel@landanger.com Web: www.delacroix-chevalier.com

Since 70 years, Delacroix-Chevalier is proud of marrying famous French manufacturer know-how to surgical excellence, to create instrumentation of today and tomorrow and convert surgical acts into successes. Our worldwide clients' confidence comes from our legendary quality and passion to simply bring you innovations.

Dendrite Clinical Systems Ltd**Booth No: 2.13**

The Hub Station Road
Henley-on-Thames, RG9 1AY, United Kingdom
Tel: +44 1491411288 Fax: +44 1491411377
Email: mtwycross@e-dendrite.com Web: www.e-dendrite.com

Dendrite Clinical Systems is a specialist supplier of cardiac database systems for hospitals and national registries, with installations in over 40 countries around the globe. Dendrite has published the series of EACTS Adult Cardiac Surgical Database Reports and developed, and is currently hosting, the EUROMACS Registry for collecting data on mechanical circulatory support devices. Dendrites flexible software can create a database for any clinical scenario and to track any outcome. Please visit our booth for a software demonstration.

De Soutter Medical Limited**Booth No: 3.01**

Halton Brook Business Park, Weston Road Aston Clinton
Aylesbury, HP22 5WF, United Kingdom
Tel: +44 1296634000 Fax: +44 1296634033
Email: david.walsh@de-soutter.com Web: www.de-soutter.com

Founded in 1988 De Soutter Medical is a leading European manufacturer of surgical power tools. Our goal is to develop and produce advanced surgical cutting solutions for a rapidly changing global healthcare market. We strive to offer our customers a comprehensive range of quality products, which are both technically innovative whilst also representing optimal long-term value. De Soutter Medical will exhibit both our Primary and Revision sternodrives sternum saws at EACTS 2015.

Direct Flow Medical GmbH**Booth No: 2.23**

Kerkrader Strasse 11

Giessen, 35394, Germany

Tel: +49 64135099190 Fax: +49 64135099199

Email: marketingEU@directflowmedical.com Web: www.directflowmedical.com

Direct Flow Medical is a transcatheter heart valve innovator focused on developing technologies that improve patient outcomes while reducing complications. The Direct Flow Medical® Transcatheter Aortic Valve System has a unique metal-free, double ring design and is fine-tunable, truly repositionable and retrievable. The valve treats 19-28mm annulus. In the DISCOVER Trial, excellent results were achieved up to 24 months, reflecting the strong safety profile at 30 days with low pacemaker rates, low overall complication rates, almost no moderate or severe AR and sustained hemodynamics. The Direct Flow valve is commercially available in Europe and undergoing the SALUS pivotal trial in the US.

EACTS-Euromacs and QUIP Programme**Booth No: 3.09**

EACTS House Madeira Walk

Windsor, SL4 1EU, United Kingdom

Tel: +44 1753832166 Fax:

Email: theodeby@xs4all.nl Web: www.eacts.org**Euromacs**

Euromacs is an association which maintains a register with the purpose of research of the outcomes of patients with a ventricular assist device (VAD) and patients with cardiac failure who have received a total artificial heart (TAH).

QUIP Programme

In 2012 EACTS established a Quality Improvement Programme (QUIP) to encourage improvement of clinical outcomes for patients, and to promote the importance of integrating quality improvement initiatives in to daily clinical practice. EACTS encourages members to get involved with the QUIP, as your support will lead to more quality improvement projects and will increase the difference we can make to our patients.

EACTS-The European Association For Cardio-Thoracic Surgery Booth No: 3.17

EACTS House Madeira Walk

Windsor, SL4 1EU, United Kingdom

Tel: +44 1753832166 Fax: +44 1753620407

Email: info@eacts.co.uk Web: www.eacts.org

EACTS is the largest European Association devoted to the practice of Cardio-thoracic surgery. The main objective of the Association is to advance education in the field of cardio-thoracic surgery and to promote, for the public benefit, research into cardiovascular and thoracic physiology and therapy and to correlate and disseminate the useful results thereof. Visit booth 3.17 for information on: membership, future meetings and all activities of EACTS. Journals: EJCTS (European Journal of Cardio-Thoracic Surgery) ICVTS (Interactive Cardiovascular and Thoracic Surgery) and MMCTS (Multimedia Manual of Cardiothoracic Surgery).

Edwards Lifesciences**Booth No: 3.16**

Route de l'Etraz 70

Nyon, 1260, Switzerland

Tel: +41 227874367 Fax: +41 227874347

Email: Damien_mayor@edwards.com Web: www.edwards.com

Edwards Lifesciences is the global leader in the science of heart valves and hemodynamic monitoring. Driven by a passion to help patients, the company partners with clinicians to develop innovative technologies in the areas of structural heart disease and critical care monitoring that enable them to save and enhance lives. Additional company information can be found at edwards.com. Please visit our Edwards Lifesciences booth.

**ESCVS 2016-European Society for
Cardiovascular and Endovascular Surgery****Booth No: 2.78**

Milentija Popovica 9, Street
Belgrade, 11070, Serbia, Republic of
Tel: +381 668300290 Fax: +381 113065177
Email: dr.koncar@gmail.com Web: www.escvs2016.org

The 65th ESCVS meeting to be held in Belgrade, Serbia 21-24 April 2016 will be promoted. There will be printed material about Belgrade, Serbia and detailed information about the scientific program of the meeting including the list of invited speakers, topics of the workshops etc. Congress program is enriched with joint events such as ACST 2 collaborators meeting two joint sessions with cardiologist and meeting of the European board of perfusionists. All this in four days in one of the oldest cities in European continent.

Eurosets SRL**Booth No: 3.14**

via Strada Statale 12,
Medolla (MO), 41036, Italy
Tel: +39 3357377206 Fax: +39 053551248
Email: carlotassi@eurosets.it Web: www.eurosets.it

Eurosets S.r.l. Italy is a leader manufacturer of medical devices for Cardiac Surgery. Located in the middle of the Italian biomedical district (Medolla MO). Product lines are: cardiopulmonary, blood management, orthopaedic drainage, oem, chest drainage, surgical support, wound management. 'Innovation and Technology for a better Patient outcomes' is our mission.

Fehling Instruments GmbH & Co KG**Booth No: 3.32**

Hanauer Landstr. 7A
Karlstein, 63791, Germany
Tel: +49 618895740 Fax: +49 6188957446
Email: ulrike_lindner@fehling-instruments.de Web: www.fehling-instruments.de

Fehling Instruments is a traditional family-owned enterprise in the field of surgical instruments. Continuously striving to improve function and economy of products has led to outstanding innovations in material and design. The introduction of ceramic technologies was a major step towards perfection of surgical instruments which are subject to abrasion.

gebemed medical systems gmbh**Booth No: 2.66**

Gartenstrasse 15
Carlsberg, 67316, Germany
Tel: +49 15205679322 Fax: +49 620124990309
Email: berthold@gebemed.de Web: www.gebemed.de

Gebemed is one of the leading companies in the field of cardiovascular surgery. Focus is the development, manufacture and marketing of surgical instruments for minimally invasive and conventional cardiac surgery. Well-known brands such as bemedtec, CoreGate, berthold, guarantee high quality. Through our core competence in electronics and optics, we also operate research and development for industry and hospitals.

GEISTER Medizintechnik GmbH**Booth No: 2.18**

Foehrenstrasse 2
Tuttlingen, 78532, Germany
Tel: +49 7461966240 Fax: +49 74619662422
Email: info@geister.com Web: www.geister.com

For more than 30 years GEISTER® continues to provide you with the finest surgical instruments 'Made in Germany' and technical innovations for evolving, more patient friendly minimally invasive surgical procedures that yet can maintain or even exceed the long term results of proven conventional procedures, always striving for 'The better way to operate'. The interaction of traditional workmanship and skills with high-precision computer-controlled machinery and latest manufacturing technologies, as well as the use of only best raw materials, ensure for meticulous function and lasting performance of our instruments in hospitals worldwide.

Genesee BioMedical Inc**Booth No: 2.36**

700 W. Mississippi Avenue Unit D5
Denver, CO 80223, United States of America
Tel: +1 3037773000 Fax: +1 3037778866

Email: dfrahler@geneseebiomedical.com Web: www.geneseebiomedical.com

Design beyond standard. Genesee BioMedical, Inc. provides unique devices for cardiothoracic surgery including sternal/thoracic valve retractors, instruments for MICS, aortic repair tools and a bovine pericardium tissue patch for cardiac repair.

GUNZE Int'l Europe GmbH**Booth No: 2.67**

Oststrasse 80
Duesseldorf, 40210, Germany
Tel: +49 2113613971 Fax: +49 2113613164

Email: fnoguchi@gnzeu.de Web: www.gunze.co.jp/e/medical

GUNZE is a Japanese manufacturer since 1896. We have PGA absorbable reinforcement mesh NEOVEL. Absorbable bone fixation (sternum, rib pin) GRAND FIX, and more medical products of reconstruction. The office in Duesseldorf, Germany covers the European market.

Hamamatsu Photonics Deutschland GmbH**Booth No: 2.16**

Arzbergerstr. 10
Herrsching, 82211, Germany
Tel: +49 8152375203 Fax: +49 8152375222

Email: emtomic@hamamatsu.de Web: www.hamamatsu.de

The NIRO-200NX is a tissue oxygenation monitor that uses near infrared spectroscopy. The unit uses safe, low light to measure the Tissue Oxygenation Index (TOI), showing the oxygen saturation level, the Normalised Tissue Haemoglobin Index (nTHI), showing the percentage change in the amount of initial haemoglobin, as well as changes in concentration of oxygenated haemoglobin ($\Delta\text{O}_2\text{Hb}$), deoxygenated haemoglobin (ΔHHb), and total haemoglobin (ΔcHb), all in real time.

Heart and Health Foundation of Turkey**Booth No: 2.74**

Sair Esref Bulvari 1402 Sok. No:2/2 Ozbas Apt Alsancak
Izmir, 35020, Turkey
Tel: +90 5055252772 Fax: +90 2324642470

Email: ozgeneris@tksv.org Web: www.escvs2016.org

65th congress of the European Society for Cardiovascular & Endovascular Surgery. The congress will be held on 21-24 April, 2016 in Belgrade, Serbia.

Heart Hugger / General Cardiac Technology**Booth No: 3.24**

6489 Camden Avenue Suite #106
San Jose, CA 95120, United States of America
Tel: +1 48083952100 Fax: +1 4083952113

Email: kelly@hearthugger.com Web: www.hearthugger.com

After a sternotomy, pain is a fact of life, and there is no mystery about its cause - stress on a massive wound. Anything the patient can do to reduce that stress speeds recovery. That is why Heart Hugger-Sternum Support Harness should play a role in any post-sternotomy program. This simple patient-operated product remains loose and passive until activated by the patient. Circling the rib cage with uniform pressure, it gives patients full-time control over the pain that comes with every movement and every cough. Benefits include improved patient compliance, faster return to pre-morbid respiratory levels, fewer wound complications and better post-op mobility.

HeartWare Inc**Booth No: 2.33**

500 Old Connecticut Path
Framingham, MA 01701, United States of America
Tel: +1 5087390950

Email: klee@heartwareinc.com **Web:** www.heartware.com

Treatment of advanced heart failure. Through a cadence of progressively smaller devices implanted using less invasive techniques, HeartWare expects to treat an increasing proportion of heart failure patients and to access them at an earlier stage of their disease progression. HeartWare's lead device, the HeartWare® Ventricular Assist System, incorporates state-of-the-art peripherals and features the only full-output pump designed to be implanted less invasively in the pericardial space. The HeartWare® System has CE-Mark approval and is currently the subject of a 150-patient US IDE clinical trial.

HMT Medizintechnik GmbH**Booth No: 2.70**

Frauenstrasse 30
Maisach, 82216, Germany
Tel: +49 8141400351 Fax: +49 8141400360

Email: edda.schieb@hmt-ffb.de **Web:** www.hmt-ffb.de

HMT Medizintechnik GmbH was founded in 1980. The qualifications and dedication of HMT employees in every area of production, from technical support team, to purchasing, sales and service, ensure the quality of all HMT products and services. The close collaboration of our distribution network throughout the European Union, in the Middle East and in Africa guarantees that wherever HMT products are being used, the same high HMT service standard is being provided. HMT has over 20 years experience in the production of tubing systems, comprehensive technical knowledge and unbeatable service. We produce tubing sets from an extensive range of components to the exact specifications of our clients.

Inter Medical Services Ltd**Booth No: 2.23A**

The Beehive, Rohais 15, North Plantation
St Peter Port Guernsey, GY1 LFK, United Kingdom
Tel: +31 653431448 Fax: +31 653431447

Email: info@sternasafe.com **Web:**

Brace for Sternum support.

ISMICS-International Society for Minimally Invasive Cardiothoracic Surgery**Booth No: 3.07**

500 Cummings Center Suite 4550
Beverly, MA 01915, United States of America
Tel: +1 9789278330 Fax: +1 9785240498

Email: echouinard@prri.com **Web:** www.ismics.org

ISMICS: Innovation, technologies, and techniques in cardiothoracic and cardiovascular/vascular surgery. 2016 ISMICS Annual Scientific Meeting, 15-18 June 2016, Fairmont The Queen Elizabeth, Montreal, Quebec, Canada

Jena Valve Technology GmbH**Booth No: 2.53**

Guerickestr. 25
Munich, 80805, Germany
Tel: +49 8955279080 Fax: +49 89552790879

Email: daiker@jenavalve.de **Web:** www.jenavalve.de

JenaValve™ Technology is a medical device company focused on developing transcatheter valve implantation systems to treat patients suffering from aortic valve disease. The company has both transapical and transfemoral TAVI systems to address the needs of the cardiac surgeon and cardiologist, respectively. The company's products are currently targeted at high-risk patients unsuitable for open heart surgery. JenaValve Technology's headquarters are in Munich, Germany. Additional company information is available at www.jenavalve.com

Johnson & Johnson Medical S.p.A.**Booth No: 3.04**

Via del Mare, 56

Pomezia, 00044, Italy

Tel: +39 3480401161 Fax: +39 0691194321

Email: flongoba@its.jnj.com Web: www.ethiconproducts.co.uk

ETHICON, is part of the Johnson & Johnson family of companies. Our Ethicon business offers a broad range of products, platforms and technologies—including sutures, surgical staplers, clip appliers, trocars, hemostats, synthetic mesh devices and energy devices—that are used in a variety of minimally invasive and open surgical procedures. Specialties include support for the treatment of cardiovascular and thoracic conditions, colorectal, women's health conditions, hernias, cancer and obesity. Founded more than 80 years ago, our Ethicon business combines products and services with long histories of medical innovation.

JOMDD INC - Japanese Organization for Medical Device Development, Inc**Booth No: 3.28**

6F, 2-28-4 Higashi Nihonbashi Chuo-ku

Tokyo, 103-0004, Japan

Tel: +81 358234379 Fax: +81 38234394

Email: kobayashi@jomdd.com Web: www.jomdd.com/company_en

Invented and developed in Japan, Aortic Valve Reconstruction using autologous pericardium.

JOTEC GmbH**Booth No: 3.20B**

Lotzenaecker 23

Hechingen, 72379, Germany

Tel: +49 7471922319 Fax: +49 7471922100

Email: angela.kremer-wohlfahrt@jotec.com Web: www.jotec.com

JOTEC provides innovative solutions for vascular disease to Vascular and Cardiac Surgeons, interventional Radiologists and Cardiologists. According to the highest standards of innovation and quality JOTEC develops, manufactures and markets medical devices for peripheral and aortic vascular disease. The product portfolio comprises surgical grafts, stent and stent graft systems together with endovascular accessories but also customized solutions. Continuous product improvements and new developments aim to offer best possible solutions for both - patient and physician.

KLS Martin Group**Booth No: 2.07**

KLS Martin Platz 1

Tuttlingen, 78532, Germany

Tel: +49 7461706251 Fax: +49 746106193

Email: jennifer.moser@klsmartin.com Web: www.klsmartin.com

The KLS Martin Group is a manufacturer of high-quality products in surgery and medicine with the objective of creating surgical innovations. Our first-class products simplify the daily routine of surgeons all over the world since more than 90 years.

Sternal Talon: innovative sternal closure systems designed for high-risk patients and reconstruction procedures.

Limax 120: the innovative laser system for metastatic and tumor resections in Thoracic and Endobronchial Surgery. The Limax 120 satisfies the highest demands in lung parenchyma surgery.

Surgical Instruments: innovative instruments for different approaches demonstrate how we manage to melt the surgeons hands to the applied tools.

Labcor Laboratorios Ltda**Booth No: 2.44**

Av. Silva Lobo 1670, Nova Granada
Belo Horizonte, Minas Gerais, 30460-000, Brazil
Tel: +55 22998168538 Fax: +55 03133711373

Email: cardiolink@cardiolink.es **Web:** www.labcor.com.br

Founded in 1984, Labcor is a world-renowned company that specializes in the manufacturing of biological prosthesis. Located in Belo Horizonte/ Brazil, the company is a national leader in the supply of cardiovascular Bioprosthesis and has already achieved over 150.000 implants of its heart valves throughout the world. Nowadays, Labcor distributes its CE Mark-products in over 22 countries, mainly in Europe, Latin America and the Middle East.

Lepu Medical Technology (Beijing) Co Ltd**Booth No: 2.61**

No 7 Building, 37 Chaoqian Rd, Changping District
Beijing, 102200, China
Tel: +86 1080120612 Fax: +86 1080120615

Email: yomilepu@gmail.com **Web:** www.lepumedical.com

Lepu Medical Technology (Beijing) Co., Ltd is a high-tech enterprise specialized in research & development, production, sales and service of interventional medical devices. We possess over 10 categories of cardiovascular interventional, transcatheter, anesthetic, and IVD Products with CE Mark. The main products include Sirolimus-eluting coronary stent system, PTCA balloon dilatation catheters, occluders, prosthetic heart valves and etc. Partner®, one of famous sirolimus-eluting stents produced by Lepu, occupies about 30% market-share in China.

LSI Solutions**Booth No: 3.20**

7796 Victor-Mendon Rd.
Victor, NY 14564, United States of America
Tel: +1 5858696600 Fax: +1 5857428086

Email: adiaz@lsisolutions.com **Web:** www.lsisolutions.com

COR-KNOT® provides superior titanium suture fastening technology worldwide. It reduces CPB and cross clamp time, reducing overall OR time. Find out how COR-KNOT® can benefit your OR by visiting the LSI SOLUTIONS® booth, booth number 3.20.

Mani, Inc**Booth No: 2.04**

8-3 Kiyohara Industrial Park, Utsunomiya
Tochigi, 321-3231, Japan
Tel: +81 286678346 Fax: +81 286678305

Email: surgical@ms.mani.co.jp **Web:** www.mani.co.jp/en/

'Mani Vessel knife', multi-angle combination for easier access to coronary artery.

MAQUET**Booth No: 2.31**

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Rastatt, 76437, Germany
Tel: +31 622804332 Fax: +31 356255321

Email: Lucienne.van.de.Klundert@maquet.com **Web:** www.maquet.com

MAQUET is a global leader in medical systems that advance surgical Interventions, cardiovascular procedures and critical care. MAQUET develops and designs innovative products and therapeutic applications for the operating room, hybrid OR/cath lab, intensive care unit and patient transport within acute care hospitals, improving outcomes and quality of life for patients.

Cardiovascular specialties include intra-aortic balloon counterpulsation (IABC) therapy for cardiac assist; coronary artery bypass surgery; aortic and peripheral vascular surgery; and extracorporeal circulation.

Master Surgery Systems AS**Booth No: 2.37**

Hancehgata 20

Horten, 3186, Norway

Tel: +47 41507244 Fax: +47 33082645

Email: arne@mastersurgerysystems.no Web: www.mastersurgerysystems.no

Master Surgery Systems has comprehensive knowledge about flowmeasurements after more than 15 years accumulated experience. We are introducing a new fully digital transit time flow meter for graft patency verification. The software driven system is integrated in a 15" touch screen allowing the system to be mounted off the floor in the OR. We offer a wide range of flow probes for native and bypass vessels. In addition a wide range of clamp-on probes for flowmeasurements in tubes during LVAD or ECMO procedures. Visit the flowexperts for an update.

MDD Medical Device Development GmbH**Booth No: 2.14**

Steigaecker 20 Industrial Area

Balgheim, 78582, Germany

Tel: +49 742492208 Fax: +49 742492242

Email: info@m-d-d.net Web: www.m-d-d.net

MDD Medical Device Development GmbH (founded in 2003) is an Independent manufacturer, distributor and service Provider. Our EVEREST Product Line includes Hemostatic Titanium Clips and Appliers, Minimal Invasive Instruments for Valve Surgery, Titanium Micro Instruments, Titanium Retractors, Detachable Laminectomy Rongeurs, Endoscopic Instruments, Arthroscopic Instruments, Telescopes, Disposable Electrodes for Urology, Disposable Veress Insufflation Needles.

Medela AG**Booth No: 2.63**

Laettichstrasse 4b

Baar, 6341, Switzerland

Tel: +41 415621140 Fax: +41 415625100

Email: yvonne.lauper@medela.ch Web: www.medela.com

The Medela family company, headquartered in the Canton of Zug, Switzerland, was founded by Olle Larsson in 1961. Medela concentrates on two divisions: 'Breastfeeding', leading in the development and production of breastfeeding products, and 'Healthcare', engineering and manufacturing highly innovative medical vacuum technology solutions. Medela conducts fundamental research together with leading scientists, medical professionals and universities, and uses the research results in the development of its products. Medela has 18 subsidiaries in Europe, North America and Asia, distributes its products in over 90 countries, and employs 1,500 staff worldwide.

Medex Research Ltd.**Booth No: 2.77**

2 Chapel St.

Chichester, PO19 1BU, United Kingdom

Tel: +44 1243790779 Fax: +44 1243790778

Email: sarinam@medexresearch.com Web: www.medexresearch.com

Market research company.

**Medical Concepts Europe B.V.
(Co-Exhibitor with Wexler Surgical Inc)****Booth No: 3.20C**

MCE provides complete solutions for temporary pacing, offering a wide selection of Temporary Pacing Wires with advanced designs, that increase reliability and efficacy of pacing while reducing the potential for bleeding (Mono-polar, Bi-polar and Quad-polar wires are available, Adults and Pediatric configurations). MCE also offers FastLock™ Single Use Interconnect Cables that increase reliability and ease of use and reduce the chance of contamination.

Medistim ASA**Booth No: 2.20**

Okernveien 94
Oslo, NO-0579, Norway
Tel: +47 23059698 Fax: +47 23059661

Email: Camilla.hauge@medistim.com Web: www.medistim.com

Medistim is an innovator and market leader within intra-operative transit time flow measurement (TTFM) and ultrasound imaging. We develop, manufacture and bring to market the quality assessment devices MiraQ™, VeriQ C™ and VeriQ™. These devices enable medical professionals to reduce risk and enhance quality of cardiac, vascular and transplant surgery. Our TTFM technology became part of the ESC/EACTS guidelines on myocardial revascularization in 2010, and in 2011 our VeriQ TTFM system was recommended by the National Institute for Health and Clinical Excellence (NICE) for routine use within the UK national health system (NHS).

Medos Medizintechnik AG**Booth No: 2.21**

Im Zukunftspark 1
Heilbronn, 74076, Germany
Tel: +49 71312706425 Fax: +49 71312706499

Email: v.ackermann@medos-ag.com Web: www.medos-ag.com

Medos is a leading German medical device company offering a full range of product solutions for cardiac surgery and peripheral applications. Medos focuses on the continuous development of innovative therapy solutions for cardiac surgeons and perfusionists. After two and a half decades Medos is well established as a provider of products for extracorporeal organ support and organ replacement. Manufacturing in Germany, Medos is present worldwide in order to ensure a personal contact to its customers.

Medtronic International Trading SÁRL**Booth No: 2.28**

Route du Molliau 31
Geneve 5, CH 1131, Switzerland
Tel: +41 218038596 Fax: +41 218027937

Email: anne.boggio@medtronic.com Web: www.medtronic.com

As a global leader in medical technology, services and solutions, Medtronic improves the lives and health of millions of people each year. We use our deep clinical, therapeutic, and economic expertise to address the complex challenges faced by healthcare systems today. Let's take healthcare Further, Together. Learn more at [Medtronic.com](http://www.Medtronic.com).

Meril Life Sciences Pvt. Ltd**Booth No: 2.10**

612 - B, Bonanza, Sahar Plaza, JB Naga Andheri-Kurla Road, Andheri (East)
Mumbai, 400 0059, India
Tel: +91 2239350700 Fax: +91 2239350777

Email: Kushal.Shah@merillife.com Web: www.merillife.com

Meril is a global medical device company dedicated towards design and development of novel, clinically relevant, state-of-the-art and best-in-class devices to alleviate human suffering and improve the Quality of Life, spanning broad operational canvas from vascular interventional devices to orthopedics, in-vitro diagnostics and endo-surgery. We share an enduring commitment to advance healthcare solutions, so more patients live longer, healthier lives. We thus have a strong commitment towards R & D and adherence to best quality standards in Manufacturing, Scientific Communication and Distribution known today.

Moeller Medical GmbH**Booth No: 2.22A**

Wasserkuppenstrasse 29-31
Fulda, 36043, Germany
Tel: +49 661941950 Fax: +49 66194195850

Email: LRusse@moeller-medical.com Web: www.moeller-medical.com

CSF drainage system.

NeoChord Inc**Booth No: 3.03**

7700 Equitable Drive, Suite 206
Eden Prairie (MN), 55344, United States of America
Tel: +1 9526987807 Fax: +1 9524676077
Email: bcclaseman@neochord.com Web: www.neochord.com

NeoChord, a Minneapolis, Minnesota medical device company, intends to transform mitral valve repair by providing minimally invasive technology that enables beating heart, sternal sparing implantation of artificial chordae tendinae.

On-X Life Technologies INC™**Booth No: 3.19**

1300 E. Anderson Lane, Bldg B
Austin, TX 78752, United States of America
Tel: +1 5123398000 Fax: +1 5128365228
Email: lmcdaniel@onxlti.com Web: www.onxlti.com

On-X Life Technologies is proud to announce FDA Approval to reduce INR to 1.5–2.0 for On-X® Aortic Heart Valve patients starting 3 months after surgery. Chord-X® ePTFE suture for mitral repair is now available in an innovative Pre-Measured Loops system.

OpInstruments GmbH**Booth No: 2.58**

Friedrich-Ebert-Anlage 36
Frankfurt am Main, D-60325, Germany
Tel: +49 69244333115 Fax: +49 69244333115
Email: ce@opinstruments.com

OpInstruments GmbH provides a full range of surgical instruments, applying the quality management that conforms to ISO13485. The manufacture with precision machines by experienced engineers is a guarantee of our highest quality products that cover all types of surgery especially vascular surgery, cardio thoracic surgery, gynecology, orthopedic surgery and ENT. Headquartered in Europe, we have developed the Asian markets, i.e. China. We are pleased to welcome you at our stand No. 2.58 in Hall 2.

Oxford University Press**Booth No: 2.05**

Great Clarendon Street
Oxford, OX2 6DP, United Kingdom
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Email: gab.exhibitions.uk@oup.com Web: ejcts.oxfordjournals.org

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PEMCO Medical**Booth No: 3.02**

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Cleveland, OH 44131, United States of America
Tel: +1 2165242990 Fax: +1 2166928646
Email: pemco@pemcomed.com Web: www.pemcomedical.com

Manufacturers and distributors of surgical instruments.

Peters Surgical**Booth No: 3.22**

Z.I. Les Vignes 42, rue Benoit Frachon

Bobigny Cedex, 93013, France

Tel: +33 148106276 Fax: +33 148912299

Email: h.huriez@peters-surgical.com Web: www.peters-surgical.com

Péters Surgical is a French Medical Device manufacturer which allies a double expertise in Cardiovascular and Digestive surgeries. With its century of experience, Péters Surgical is the most recognized Suture Specialist in the world of Cardiac and Vascular surgeries. Péters Surgical is also proud to be the European leader in the haemostatic clip market with its Vitalitec range of products. In brief, Péters Surgical is truly the European Leader in the field of cardiac and vascular closure devices.

PneuX Life Systems**Booth No: 2.22C**

PO Box 862, Osprey House, Floor 5 Old Street

St Helier, JE4 2ZZ, United Kingdom

Tel: +44 7797790462 Fax: +44 1534888110

Email: sinead.renouf@venner.com Web: www.vennermedical.com

PneuX Life Systems is a healthcare provider focused on improving patient outcome and providing clinical benefits to both the patient and healthcare provider.

POSTHORAX**Booth No: 2.54**

Laurinská 9

Bratislava, 81101, Slovakia

Tel: +421 232121028 Fax: +421 232121028

Email: raffaelepple@posthorax.com Web: www.posthorax.com

POSTHORAX Limited, Crawley, United Kingdom.

POSTHORAX Thorax Support Vest - External Sternum Support after Sternotomy (EU Patent 1940330).

POSTHORAX Ladies Bra - breast support after Sternotomy (in combination with Thorax Support Vest).

POSTHORAX ThoraxBelt - Compression Belt supporting Pain Management after Thoracotomy.

Qualiteam SRL**Booth No: 2.09**

Casale Nassio Sopra 15/A

Chivaverano (TO), 10010, Italy

Tel: +39 012554691 Fax: +39 012554794

Email: monica@qualiteam.com Web: www.qualiteam.com

Qualiteam is dedicated to design innovative wound support products that reduce complications, advance postoperative care and recovery thereby improving comfort, outcome and the overall hospital experience. Our nurse-designed, clinically proven and patented products are all made from Italian raw materials. QualiBreath and QualiBra Advanced are remarkably comfortable dual-functional external chest and breast support devices that patients conform to use 24/7, 6 to 8 weeks after surgery.

Redax S.p.A.**Booth No: 2.40**

Via Galileo Galilei, 18

Poggio Rusco (MN), 46025, Italy

Tel: +39 3357113343 Fax: +39 038651898

Email: silvio.sacco@redax.it Web: www.redax.it

Redax developed a full range of chest drains with innovative design allowing for additional stability. Chest Drains are available in different models also for autotransfusion. Redax has also developed a Mobile Drainage System based on a portable vacuum unit for easier portability and early mobilization of patients. Thoracic catheters and fluted silicone drains belong to the cardiac and thoracic range of products too. Recently we developed an innovative Percutaneous Centesis Kit for pleural effusion and emergency application.

ReliantHeart**Booth No: 2.26**

Erfstraat 10 a

Uden, 5405 BE, Netherlands

Tel: +31 413245107 Fax: +31 413270504

Email: bjonkman@reliantheart.com Web: www.reliantheart.com

Since its early beginning at NASA, the U.S. Space Program and the Texas Medical Center in Houston in 1988, RH has been committed to developing, manufacturing and marketing innovative mechanical circulatory support solutions for patients suffering from severe congestive heart failure. RH offers state-of-the-art technologies such as the HeartAssist5 Ventricular Assist Device (VAD) System. Close collaboration with heart failure specialists and cardiovascular surgeons worldwide. Offices in Houston TX and Uden The Netherlands.

RTI Surgical Inc**Booth No: 2.39**

Voorveste 7

Houten, 3992 DC, Netherlands

Tel: +31 306934720 Fax: +31 306934721

Email: rterbeek@rtix.com Web: www.rtix.com

RTI Surgical proudly offers Tritium SCP, an FDA cleared sternal cable plating system. Complementing the current cable system, Tritium provides more options to surgeons and addresses varying patient anatomies. RTI is a leading innovator in the design and manufacturing of implants and instruments used for chest closures following median sternotomies.

Rumex International Co**Booth No: 2.52B**

13770 58th Street North, Suite 317

Clearwater, FL 33760, United States of America

Tel: +1 7275359600 Fax: +1 7275680919

Email: marketing@rumex.net Web: www.rumex.net

Rumex International is a surgical instrumentation company headquartered in the USA in 1994. The brand is represented in Europe by Rumex Baltics SIA. Manufacturing facilities are based in Russia and the UK. Quality of instruments is guaranteed by the US management. Affordable pricing, globally sold.

Sage Products**Booth No: 2.12**

3909 Three Oaks Rd.

Cary, IL 60013, United States of America

Tel: +1 8154554700 Fax: +1 8154555599

Email: mchlosta@sageproducts.com Web: www.sageproducts.com

Since 1971, US-based manufacturer Sage® Products has developed innovative, disposable healthcare products trusted by leading healthcare facilities worldwide. Our core belief is in prevention – that evidence-based interventions will improve outcomes. Our goal is to help healthcare facilities improve patient safety and outcomes by preventing healthcare-associated infections, skin breakdown and other adverse nosocomial events.

Scanlan International Inc**Booth No: 2.01**

One Scanlan Plaza

Saint Paul, MN 55107, United States of America

Tel: +1 6512980997 Fax: +1 6512980018

Email: cobianJ@scanlangroup.com Web: www.scanlanINTERNATIONAL.com

Highest quality surgical products designed and manufactured by the Scanlan® family since 1921. 3000+ surgical instruments in titanium and stainless steel including Scanlan® SuperCut™ scissors, Scanlan® Legacy needle holders and forceps, Scanlan® Memory Dilators / Probes, MIS instruments. Full line of VATS instruments including Scanlan® D'Amico Clamps, Suctions and Biopsy Forceps, Scanlan® Gonzalez-Rivas Dissector and Lung Grasper, and Scanlan® Khan Decortication Grasper. Single- Use products.

Siemens Healthcare GmbH**Booth No: 2.49**

Henkestr. 127, HC CG 64

Erlangen, 91052, Germany

Tel: +49 9131848033 Fax: +49 9131844001

Email: roland.kupfer@siemens.com Web: www.healthcare.siemens.com

Siemens Healthcare is one of the world's largest suppliers of technology to the healthcare industry and a leader in medical imaging, laboratory diagnostics and healthcare IT. All supported by a comprehensive portfolio of clinical consulting, training, and services available across the globe and tailored to customers' needs. In fiscal 2014, Siemens Healthcare had around 43,000 employees worldwide and posted a revenue worth 11.7 billion euros, and profits of more than 2 billion euros. Further information is available on the Internet at www.healthcare.siemens.com

Smartcanula LLC**Booth No: 3.31**

145 Chemin du Levant

Lausanne, 1005, Switzerland

Tel: +41 213142279 Fax: +41 213202442

Email: info@smartcanula.com Web: www.smartcanula.com

Smartcanula LLC develops, manufactures, and distributes next generation cannulas for high performance extra-corporeal circulation. The new Venous 24F smartcanula® ST is designed for MICs and allows for augmentation with a centrifugal pump or vacuum. Its virtually wall-less design allows for temporary caval stenting and superior drainage of venous affluent at all levels of the caval. Percutaneous insertion is facilitated with the Smart Dilator Set with step dilators from 8F to 24F. In addition to the Arterial smartcanula®, Smartcanula LLC will also present the Venous smartcanula® and the Venous smartcanula mini® which are designed for gravity drainage.

Somahlution**Booth No: 2.54A**

225 Chimney Corner Lane, Suite 2001

Jupiter, FL 33458, United States of America

Tel: +1 5619359955 Fax: +1 5612532948

Email: Jen.DeAngelo@somahlution.com Web: www.somahlution.com

Somahlution is a global leader in the development and commercialization of innovative, high value-added solutions to advance clinical performance, define standard of care and improve patient outcomes. The company's flagship product, DuraGraft, is first-in-class and the only approved product intended for the preservation, storage, and flushing of vascular grafts, which is a pivotal step in coronary artery and peripheral bypass surgeries. As the only clinically proven Endothelial Damage Inhibitor, DuraGraft is critical to successful patient outcomes.

Sorin Group Italia Srl**Booth No: 3.15**

Via Crescentino

Saluggia, 13040, Italy

Tel: +39 3358268953 Fax: +39 0161487316

Email: Elisabetta.Gibertoni@sorin.com Web: www.sorin.com

SORIN GROUP is a global medical device company and a leader in the treatment of cardiovascular diseases. With over 3750 employees worldwide, the Company develops, manufactures and markets medical technologies for cardiac surgery and for the treatment of cardiac rhythm disorders. Each year, more than one million patients are treated with Sorin Group devices in more than 80 countries. Our life-saving products are in more than 5000 hospitals worldwide.

Spectrum Medical**Booth No: 2.48**

Harrier 4, Meteor Business Park, Cheltenham Road East
Gloucester, GL2 9QL, United Kingdom
Tel: +44 7971141556 Fax: +44 8038021514

Email: asta.turner@spectrummedical.com **Web:** www.spectrummedical.com

Spectrum Medical's total commitment to the world of perfusion therapies is again demonstrated with its unique range of products and systems that are to be shown to world audiences at the 2015 EACTS meeting. As a major exhibitor at the 2015 EACTS meeting Spectrum Medical will launch its extended range of Quantum Cardiothoracic Perfusion Technologies and its latest generation of VIPER, VISION and LIVE VUE Data Management Technologies. Attendees visiting the booth will have the opportunity to interact with all systems and learn about the potential for 'total integration' that places Spectrum Medical technologies years ahead of today's more traditional solutions.

St Jude Medical**Booth No: 2.30**

St. Jude Medical Coordination Center, The Corporate Village, Avenue Da Vinci laan
11 - Box F1

Zaventem, 1935, Belgium

Tel: +32 27746955 Fax: +32 27746844

Email: KGooris@sjm.com **Web:** www.sjmprofessional.com

St. Jude Medical develops medical technology designed to put more control into the hands of those who treat cardiac, neurological and chronic pain patients worldwide. The company is dedicated to advancing the practice of medicine by reducing risk wherever possible and contributing to successful patient outcomes. Learn more at sjmprofessional.com.

stroke2prevent**Booth No: 3.25**

Ceintuurbaan 15

Zwolle, 8022 AW, Netherlands

Tel: +31 388534821 Fax: +31 388450180

Email: info@stroke2prevent.nl **Web:** www.stroke2prevent.com

Trans Eosophageal Echocardiogram (TEE) is performed to assess the embolism risk level related to atherosclerosis in the thoracic aorta and carotids area. However aortic arch visualisation is impaired by a blind spot caused by the air filled trachea. Ultrasound is not conducted to the aortic arch area. A-VIEW resolves this blind spot by placing a patented, saline-filled balloon catheter in the trachea. A-VIEW enhanced TEE; a valid method to support peri-operative decision making.

STS-The Society Of Thoracic Surgeons**Booth No: 3.11**

633 N. St. Clair

Chicago, IL 60611, United States of America

Tel: +1 3122025814 Fax: +1 3122025803

Email: alaw@sts.org **Web:** www.sts.org

The Society of Thoracic Surgeons represents more than 7000 surgeons, researchers, and allied health care professionals worldwide who are dedicated to ensuring the best possible outcomes for surgeries of the heart, lung, and oesophagus, as well as other surgical procedures within the chest. The Society offers a wide variety of member benefits, including reduced participation fees in the renowned STS National Database, a complimentary subscription to the prestigious Annals of Thoracic Surgery, dynamic educational offerings, online patient information resources, and much more. Stop by at our booth or visit the STS website, www.sts.org, to learn more about STS.

Symetis SA**Booth No: 3.18**

Chemin de la Venoge 11

Ecublens, 1024, Switzerland

Tel: +41 216940244 Fax: +41 216510161

Email: solange.guye@symetis.com Web: www.symetis.com

Symetis is a leading developer of innovative, transcatheter aortic valve implantation (TAVI) systems for transfemoral and transapical access routes. The company's CE marked products, ACURATE TA™ and ACURATE neo™, are based on proprietary geometry and delivery technologies. Our bioprostheses are based on a unique, intelligent, self-seating and self-sealing design that allows for optimal positioning and predictable deployment of the valve. Our ACURATE TAVI systems are intuitive and easy to use allowing for a quick learning curve. The company's headquarters are in Ecublens (Lausanne), Switzerland. Manufacturing sites are in Ecublens, Switzerland and Belo Horizonte, Brazil.

SynCardia Systems, Inc.**Booth No: 2.17**

1992 E. Silverlake Road

Tucson, 85713, United States of America

Tel: +1 5205451234 Fax: +1 5209031783

Email: abridges@syncardia.com Web: www.syncardia.com

SynCardia Systems, Inc. (Tucson, AZ) is the privately-held manufacturer of the world's first and only FDA, Health Canada and CE (Europe) approved Total Artificial Heart. It is approved as a bridge to transplant for patients dying from end-stage biventricular failure. The company was formed in 2001 by world-renowned heart surgeon Jack G. Copeland, MD, interventional cardiologist Marvin J. Slepian, MD, and biomedical engineer Richard G. Smith, MSEE, CCE, to commercialize the SynCardia temporary Total Artificial Heart (TAH-t). Visit our booth for updates on the Freedom® portable driver, 50cc TAH-t, and destination therapy clinical studies.

**TeDan Surgical Innovations (TSI)
(Co-Exhibitor with Wexler Surgical Inc)****Booth No: 3.20C**

TSI Offers products for Minimally Invasive Cardiac and Thoracic Procedures. The Ultravision™ CT Retractor provides pivoting blades, integral light and radiolucent blades it is ideal for procedures utilising Mini Thoracotomy or Sternotomy Access and TAVR. TSI also provides products for Minimally Invasive Atrial Retraction and Chordal Replacement for Mitral Valve Repair.

Terumo & Vascutek**Booth No: 3.21**

Ludwig-Erhard-Strasse 6

Eschborn, 65760, Germany

Tel: +49 61968023500 Fax: +49 61968023555

Email: Jessica.herczeg@terumo-europe.com Web: www.terumo-europe.com

Terumo Cardiovascular Europe & Africa is an integral part of the Terumo's family of cardiovascular businesses and is committed to developing innovative technologies for the treatment of cardiovascular disease. Terumo provides products and services such as Capiox® Oxygenators, customised Tubing Sets, Pall® filter brand products, CDI™ Blood Parameter Monitoring System 500, VirtuoSaph Plus® Endoscopic Vessel Harvesting System (Radial and Vein), and Terumo Beating Heart and Surgical Stabilization products. Learn more about our new Capiox® FX Advance Oxygenator and new Heater-Cooler generation Terumo® UV TREO™ Advanced Temperature Management System and visit us at our booth!

Vascutek, a Terumo Company

Newmains Avenue, Inchinnan, Renfrewshire, PA4 9RR, Scotland

Tel: +44 141812 5555 Fax: +44 1418127170

Email: H.Paterson@vascutek.com Web: www.vascutek.com

Vascutek, a Terumo Company, will present the Thoraflex™ Hybrid Device for use in the Frozen Elephant Trunk procedure. The device has been implanted into more than 950 patients worldwide. The full range of Gelweave™ cardiothoracic grafts will also be on display. Visit us at booth 3.21 to learn more about the Thoraflex Hybrid Device.

The Heart Valve Society**Booth No: 2.53C**

500 Cummings Center, Ste 4550,
Beverly, MA 01915, United States of America
Tel: +1 9789278330 Fax:

Email: salger@prri.com **Web:** <http://heartvalvesociety.org>

The Heart Valve Society is an organisation formed to undertake, promote, support and encourage research and the education of the public in the causes, prevention, and treatment of heart valve disease, and related cardiac diseases, illnesses or conditions. The Society is comprised of individuals interested in and dedicated to improving heart valve disease in the global population, including cardiologists, cardiothoracic surgeons, researchers, allied health professionals, students, and institutional representatives. Members of the Society span the globe.

The Medicines Company**Booth No: 2.38**

8 Sylvan Way
Parsippany, NJ 07054, United States of America
Tel: +1 2067148570 Fax: +1 2064426554

Email: kristi.gilbert@themedco.com **Web:** www.themedicinescompany.com

The Medicines Company's purpose is to save lives, alleviate suffering and contribute to the economics of healthcare by focusing on 3000 leading acute/intensive care hospitals worldwide. Its vision is to be a leading provider of solutions in three areas: acute cardiovascular care, surgery and perioperative care, and serious infectious disease care. The company operates in the Americas, Europe and the Middle East, and Asia Pacific regions with global centers today in Parsippany, NJ, USA and Zurich, Switzerland. The Company was founded in 1996 and is publicly traded on the Nasdaq exchange under the ticker symbol MDCO.

Thoratec Corporation**Booth No: 3.13**

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Tel: +44 1480443382 Fax: +44 1480454126

Email: kate.james@thoratec.com **Web:** www.thoratec.com

Thoratec is a world leader in therapies to address advanced-stage heart failure. The company's products include the HeartMate II and HeartMate 3 LVAS (Left Ventricular Assist Systems) and Thoratec® VAD (Ventricular Assist Device) with more than 21,000 devices implanted in patients suffering from heart failure. Thoratec also manufactures and distributes the CentriMag®, PediMag®/PediVAS®, and HeartMate PHP product lines. HeartMate 3 and HeartMate PHP are investigational devices and are limited by U.S. law to investigational use. Thoratec is headquartered in Pleasanton, CA. For more information visit www.thoratec.com.

Tianjin Plastics Research Institute Co Ltd (TPRI)**Booth No: 2.24**

No. 24, Keda 1 Road, TEDA (Jinnan) Microelectronics Park, Jinnan District
Tianjin, 300350, China
Tel: +86 2227592537 Fax: +86 2227592537

Email: tpmedical@yahoo.com **Web:** www.medplastic.com

Tianjin Plastics Research Institute Co.,Ltd.established in 1965 and dedicates in cardioplegia disposable products. Our main products are extra-corporeal circuit products, arterial filter, blood reservoir, arterial & venous cannula, aortic root cannula and various components such as connectors, tubes, isolator, gas filter, clamps and so on.

Tianjin Welcome Medical Equipment Co Ltd**Booth No: 2.34C**

Rm. 801, Bld. 8-1, No. 4 Rongyuan Rd. Tianf Tech. Yuan Huayuan Ind Zone
Tianjin, 300384, China
Tel: +86 2283710480 Fax: +86 2283710917

Email: davidtao@tjwelcome.com **Web:** www.tjwelcome.com

Founded in 1993 and located in Tianjin, China, designs, manufactures and sells heart lung machines & water heater cooler. All products have CE mark and are sold to more than 200 hospitals in China and many other countries in the world.

Transonic Europe BV**Booth No: 2.34A**

Business Park Stein 205

Elsloo, 6181 MB, Netherlands

Tel: +31 434077200 Fax: +31 434077201

Email: tamara.theunissen@transonic.nl Web: www.transonic.com

VGS-Vascular Graft Solutions Ltd**Booth No: 2.34**

24 Raoul Wallenberg St., Ziv Towers Building A, Ground Floor

Tel-Aviv, 6971921, Israel

Tel: +972 35499054 Fax: +972 36024966

Email: michaela.stephan@pacio.de Web: www.graftsolutions.com

Vascular Graft Solutions develops innovative solutions to improve the outcome of bypass surgery and patients' quality of life. VEST - the company's leading product, is an external stent for saphenous vein grafts. VEST offers the cardiac surgeon a new type of bypass conduit that aims to drive a significant change in the CABG paradigm and improve its long-term clinical outcome.

Weigao Group**Booth No: 2.15**

No. 18 Xingshan Road, High-tech Development Zone

Weihai, Shandong, 264209, China

Tel: +86 6315716366 Fax: +86 6315660259

Email: kevinqu@weigagroup.com Web: www.wegonewlife.com

Wexler Surgical, Inc.**Booth No: 3.20C**

11333 Chimney Rock Road Suite #110

Houston, Texas 77035, United States of America

Tel: +1 7137236900 Fax: +1 7137236906

Email: sales@wexlersurgical.com Web: www.wexlersurgical.com

Wexler Surgical, Inc. designs and manufactures a variety of titanium and stainless steel specialty surgical instruments and products for Cardiac, Vascular, Thoracic, and Micro Surgery. Come see our VATS/MICS instruments and ask about our Optimus Series. Visit us online at www.wexlersurgical.com for more information about our products and the services.

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WL Gore & Associates GmbH**Booth No: 2.45**

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Email: joster@wlgore.com Web: www.goremedical.com

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**WSPCHS-World Society for Pediatric
and Congenital Heart Surgery**

Booth No: 2.75

10 Morrow Avenue, Suite 202

Toronto, M6R 2J1, Canada

Tel: +1 4165381650 Fax: +1 4164891713

Email: contact@wspchs.org Web: www.wspchs.org

The mission of the World Society for Pediatric and Congenital Heart Surgery is to promote the highest quality comprehensive cardiac care to all patients with congenital heart disease, from the fetus to the adult, regardless of the patient's economic means, with an emphasis on excellence in teaching, research and community service.

Xenosys (Co-Exhibitor with Master Surgery Systems)

Booth No: 2.37

Xenosys is established to develop and supply fine products by adapting accumulated high optical technology from national defence industry to medical optics industry. Our technology has been acknowledged by MCIE (Ministry of Commerce, Industry and Energy) and SMBA (Small and Medium Business Administration). We are cooperating with Seoul National University, Incheon National University, and DATQ (Defence Agency for Technology and Quality) to develop innovative products, secure credence, and to evaluate and improve the quality of the products. Also, we have obtained CE, ISO14001, FDA, Japan FDA and GMP (Good Manufacturing Practice) from KFDA (Korea Food and Drug Administration), SFDA for China that are required for the manufacturing and the marketing of the products. We are very proud of our product quality and confidently introduce you to our product line. Our loupes and LED light systems are selling to all over the world and getting more favourable satisfaction from our valuable customers.

Zimmer Biomet

Booth No: 2.71

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Jacksonville, FL32218, United States of America

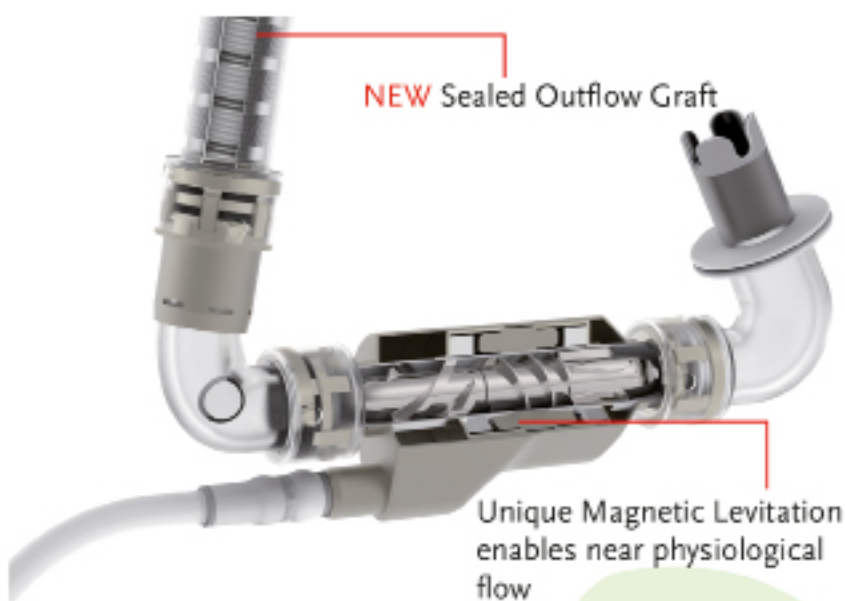
Tel: +1 9047414400 Fax: +1 9047414500

Email: Sheila.Jean-Pierre@zimmerbiomet.com Web: www.zimmerbiomet.com

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EACTS
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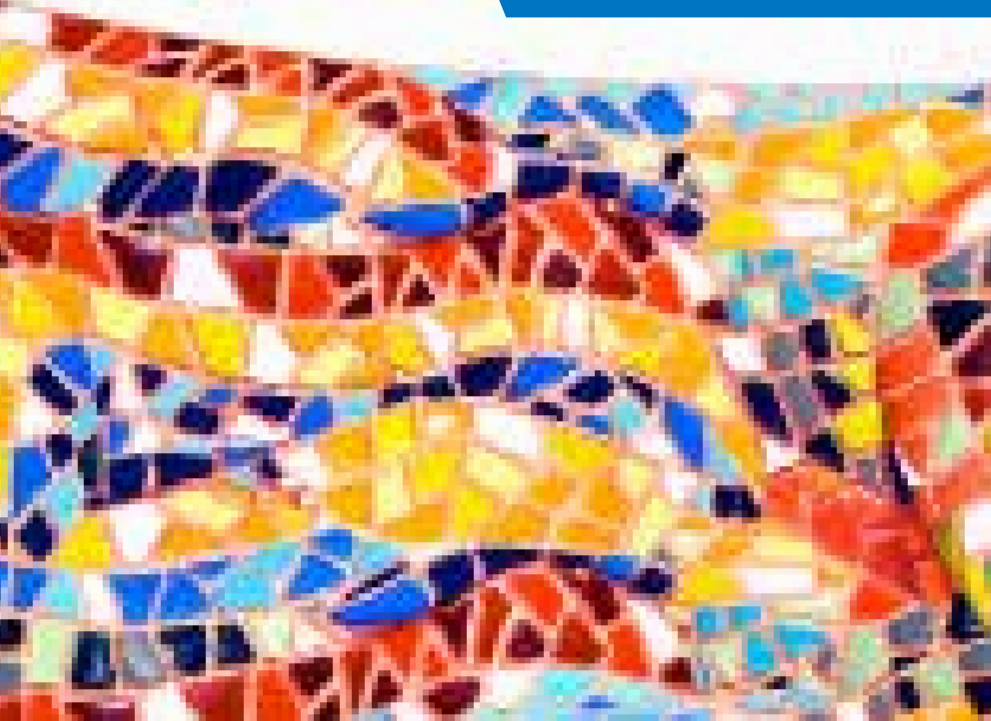
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EXPERIENCE CENTER SESSIONS:

SUNDAY 4 OCTOBER

- Surgical considerations during CPB

MONDAY 5 OCTOBER

- Functional repair: Corvus[®] S2[®] / Evolve[™] R
- Surgical considerations during CPB
- Core Valve[®] Evolve[™] R multiple accesses
- The power of argon: CardioSoo[®] / Evolve[™]

TUESDAY 6 OCTOBER

- Degenerative repair: Sirtutor[®] / Evolve[™]
- Surgical considerations during CPB
- Core Valve[®] Evolve[™] R multiple accesses
- The power of argon: CardioSoo[®] / Evolve[™]

SATELLITE SYMPOSIUMS:

MONDAY 5 OCTOBER

12:45-14:00

Room C

Evaluation of aortic stenosis treatment options: perspectives from cardiac surgeons, cardiologists and industry

Chairman: G. Geenen - Italy
Faculty: T. Goren - Switzerland
J. Woodcock - USA
S. Owen - UK

TUESDAY 6 OCTOBER

12:45-14:00

Room C

Post valve disease management: optimizing overall clinical outcomes and performance

Chairman: G. Altieri - Italy
Faculty: V. Langer - Germany
H. Pieske - Germany
R. Khandanlou - Switzerland

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