

Dear Members,

Greetings to all of you, I am writing this mail to bring your kind notice that the Scientific Committee has decided to have a separate session on our Operation theatre practices in KOSC 2014. Session details are given below.

Session : Rationalizing OT practices – what every surgeon should know

Date- 8/11/14

Time -10.30 am-12.00 pm

Hall ‘C’

Moderator: Dr Raju Sampangi

- How I planned my OT?- Dr HV Srinivas ----- 8 mins
- OT for Ophthalmology a Conceptual design –Mr Jayadev K Consultant (Technical Head) - Cleanroom Projects, UHP Technologies--12 mins
 - OT disinfection and Microbio sampling: Current concepts- `Dr Sathyanarayan Microbiologist ----- 10 mins
- Ideal instrument Sterilization and validation- Dr Vishnu Reddy COO and HOD anaesthesia, Yashoda Hospitals, Hyderabad----- 15 mins
- Cutting Cost but not Corners- Must Do things in your OT- Dr Sanjay Kulkarni, Infection Control Consultant. 12 mins
- MAQ(Member Asked Questions)--- 20 mins

Panel: Dr Ravindra MS, Dr Mathew Kurian, Dr Deepak Megur

AIM of this session

- Is not to teach but to Question ourselves....can we do it better? try to find answers if we can better ourselves in our OT practices.
- Accept our lacunae and make honest efforts to fill the void by putting correct / better systems in place for our patients

How we plan to conduct this session

We have tried to get some of the best technical experts for this session (CVs of all the speakers are attached). We need to make the best use of them. We are trying to conduct this session bit differently. We would want the experts to guide us help solve our practical problems

We request the members to send in their questions/suggestions regarding the OT practices that they would like to clarify..... We will try to compile the questions and send them to the expert so that they can advise us regarding the best possible solution and make it a part of their presentation/ in the discussion. We hope in this way evidence based and focused practical solutions that would help us in our day to day practice would be possible.

Mail your questions to the session moderator Dr Raju Sampangi: rajusampangi@gmail.com

Members' participation is important so send in your queries. Suggestions welcome

SPEAKER 1-TOPIC: How I planned my OT? Dr. H V Srinivas

Dr. H V Srinivas MS DNB FRCSEd FGO FICO
Aditya Netralaya

Worked in busy departments for nearly four years in the UK. Did visiting observership at the Moorfields Hospital, London with world leaders in glaucoma, oculoplasty, external diseases and refractive surgery consultants. Taught medical, nursing and optometry students in the UK. Junior ophthalmologists shadowed him. Was a faculty member in Medical Colleges in India also. The ability to troubleshoot and suggest strategies in audits was much appreciated in the UK. He practices evidence based medicine. He has publications in international journals and presentations in state conferences. Established his ophthalmic day centre in Banashankari III Stage in 2011. Designed the layout and oversaw its construction. He wrote protocols and SOPs and is now managing his day centre.

Speaker 2: OT for Ophthalmology a Conceptual design

MR JAYADEV C
PRESENT Position:



**CONSULTANT (TECHNICAL HEAD) - CLEANROOM PROJECTS,
UHP TECHNOLOGIES PVT Ltd.**

Previous Positions:

1) Senior General Manager (Technology & Business Dev).

ASHRAE Cleanroom Presentations PVT LTD- (CRP GROUP). 1year

2) General Manager Cleanrooms (Technical) SRP Enviro Systems Pvt Ltd - 6 years

3) Additional General Manager, Bharat Electronics, Bangalore – 34 years

BRIEF CLEANROOM EXPERIENCE OF Mr JAYADEV.K

Mr JAYADEV. K. has wide & Extensive Experience in Cleanroom projects for Semiconductors Wafer Fabrication facility, Microelectronics, Nano Fabs, Super Components, Chip & wire Assembly, Photovoltaic solar cells, Space grade HMCS, Photonics, PCBS, LCD, Automotive parts, Cardiac Stents, Medico Fluid pipes, Tissue Culture Labs etc. He is a Mechanical Engineer & MBA in Production Management, who acquired Skill through Design, Engineering, Validation & Up-gradation of Cleanrooms varying from class 100000 (ISO 8) to class 100 (ISO 5), along with Management of Utilities, Facilities and Project Leadership roles at BHARAT ELECTRONICS Bangalore, India.

Responsibilities & Achievements:

Design, Build & Validation of clean rooms & HVAC. Marketing & Business development in Cleanrooms. Up gradation & Trouble shooting of Cleanrooms by providing workable Solution.

Major Cleanroom Design & Technical Tenders qualified for Nano-FABs, Microelectronics & research Facilities are -

- **Centre for Nanofab Indian Institute of Science Bangalore.** Class of cleanliness ISO 5, ISO 6, ISO 7 and ISO 8. The facility with FFU's and grated flooring to provide unidirectional downward airflow.
- **Nanofab for MEMS application at SITAR Bangalore.** Class of cleanliness ISO 5, ISO 6, ISO 7 and ISO 8. ISO 5 cleanroom is with pressurised plenum having gel seal knife edge HEPA filters and grated flooring to provide unidirectional downward airflow.
- **Jawaharlal Nehru Centre for Advanced Scientific Research Facility.** Nano FAB Lab with ISO 6 (Class1000) CLEANROOM & HVAC with Vibration Isolation Foundation
- **Centre of ART Nano Lab –SIT Tumkur.** ISO 5 (class 100) for photolithography using FFMS , ISO 7 (class 10000) for diffusion lab & ISO 8 for R&D LAB.
- **Repair and Return Technology Bangalore & Noida for LCD manufacturing and testing:** ISO 5 (Class 100), ISO6 (class 1000) & ISO7 (class10000) cleanrooms.

Other Important Cleanroom projects Executed are:

- Pathology lab for IAH&VB Bangalore: P3 facilities (negative pressure clean room ISO7 (class 10,000)
- Animal Facility IAH & VB: - ISO 7 (class10000) (Negative Pressure Room) for IAHVB at Davanagere. Karnataka

- Cardiac stent Manufacturing Facility – ISO 6 (Class 1000) for M/S Optocircuits pvt Ltd, VIZAG Andhra Pradesh

Technical Papers Presented/Seminars Conducted :

- **Basic concepts of Cleanroom**
- **Micro Contamination**
- **Construction protocol of cleanrooms**
- **Integrated approach for cost effective Cleanrooms in microelectronics**
- **Clean spaces for Nano- Fabrication in Micro-electronics**
- **Human Behaviour in Clean rooms**

MEMBERSHIP DETAILS :

- **Member of Contamination Control Society of India, ISHRAE & Core Member of ISHRAE Institute of Excellence Bangalore Chapter**

FACULTY ON CLEANROOMS for:

- 1) ISHRAE INSTITUTE OF EXCELLENCE BANGALORE.**
- 2) PHARMA TRAINING INSTITUTE BANGALORE.**
- 3) CONTAMINATION CONTROL SOCIETY OF INDIA**

- **Speaker 3:** OT disinfection and Microbio sampling : Current concepts-
Dr Sathyanarayan ----- 10 mins

Dr Sathyanarayana M S, MD(Microbio)



Faculty in the Department of Microbiology, and as Quality Manager for HIV Testing Laboratory,
Victoria Hospital, BMCRI, Bangalore

- Completed MD (Microbiology) from Vijayanagar Institute of Medical Sciences (VIMS), Bellary securing the First Rank in RGUHS in 2006. Worked in Apollo BGS Hospitals, Mysore for a year before joining VIMS, Bellary as faculty and subsequently Narayana Hrudayalaya (NH), Bangalore. During the stint at Narayana Hrudayalaya as Consultant Microbiologist and Infection Control Officer, was actively involved in Infection Control in Cardiac as well as Multi specialty Hospitals of Narayana Health City and was closely involved in the accreditation process of these hospitals and the department of laboratory medicine by National Accreditation Board for Hospitals and Healthcare Providers (NABH), Joint Commission International (JCI) and National Accreditation Board for Testing & Calibration Laboratories (NABL). Currently serving as faculty in the Department of Microbiology, and as Quality Manager for HIV Testing Laboratory (State Reference Laboratory & ICTC) at Victoria Hospital, Bangalore Medical College & Research Institute (BMCRI), Bangalore.
Publications: 12, in various National & International Journals.

Speaker 4: Ideal instrument Sterilization and validation- Dr Vishnu Reddy COO and HOD anaesthesia, Yashoda Hospitals, Hyderabad----- 15 mins

Dr. V. Vishnu Reddy



Chief Operating Officer – Yashoda Hospitals, Hyderabad.

HOD + Chief Anaesthesiologist of Yashoda Hospitals, Hyderabad.

- Completed Graduation from Gandhi Medical College in 1988.
- Completed Post Graduation in Anaesthesiology from OMC in 1992.
- Worked as Consultant Anaesthesiologist & Deputy Medical Superintendent till 2004 in Apollo Hospitals, Secunderabad.
- Working in Yashoda Hospitals as HOD & Chief Anaesthesiologist from 2004.
- Has worked as Chairperson of the HICC and has been actively involved in implementation of NABH protocols in the hospital.
May 2013 till date, I have been working as the Chief Operating Officer of Yashoda Hospitals, Hyderabad, Malakpet branch.

Speaker 5: Cutting Cost but not Corners- Must Do things in your OT- Dr Sanjay Kulkarni, Infection Control Consultant. 12 mins

Dr. Sanjay B. Kulkarni, MD (Micro), DCP, CIC (USA)

Infection control – Consultant



Email: sbkul@hotmail.com (preferred mode of contact)

QUALIFICATIONS:

| | Year | University/Board |
|--|-------------|---|
| Degrees and Diplomas | | |
| M.D. (Microbiology) | 1996 | Shivaji University, Kolhapur |
| D.C.P. (Diploma in Clinical Pathology) | 1993 | Shivaji University, Kolhapur |
| M.B.B.S. | 1990 | Shivaji University, Kolhapur |
| Certifications | | |
| Certified in Infection Control | 2008 | Certification Board of Infection Control and Epidemiology (USA) |
| Maintained Certification (Passed the Self Achievement Re-certification Exam (SARE) in Dec 2013). | 2013 | Certification Board of Infection Control and Epidemiology (USA) |

REGISTRATIONS

1. Maharashtra Medical Council

POSITIONS HELD:

| | Position | Location | Duration |
|----|--|------------------------------------|--------------------------|
| 1. | Hospital Infection Prevention consultant | Dr MC Modi Eye hospital, Bangalore | September 2013 till date |
| 2. | Hospital Infection Prevention | Astor Aadhar multispecialty | May 2013 to July 2014 |

| | | | |
|-----|---|---|------------------------------|
| | consultant | hospital, Kolhapur | |
| 3. | Hospital Infection Prevention consultant | Rise N' Shine biotechnology plant, Theur | April 2013 to Jan 2014 |
| 4. | Hospital Infection Prevention consultant | DY Patil Dental College and hospital, Pune | From Jan 2012 till date |
| 5. | Hospital Infection Prevention consultant | DY Patil Medical Hospital Pune | From Jan 2012 till date |
| 6. | Asst Prof in Microbiology | USM-KLE Medical College, Belgaum | From Nov 2011 to Nov 2013 |
| 7. | Hospital Infection control Consultant | Various individually owned hospitals in Karnataka, Maharashtra. | From 2003 onwards till date |
| 8. | Hospital Infection control Consultant | KLES Heart Foundation, Prabhakar Kore Hospital and MRC, Belgaum | April 2009 till date |
| 9. | Member, APIC 2008 Practice Guidance Council. Surgical Infection Prevention Project (SCIP) | APIC (Association of Professionals in Infection Control and Epidemiology, USA). | 2008 |
| 10. | Faculty in Microbiology and Immunology | University of Seychelles American Institute of Medicine (USAIM), Mahe-Seychelles (Indian Ocean). Now renamed as University of Science American Institute of Medicine. | Jan 2006 till Dec 2008 |
| 11. | Management Representative for ISO 9001:2000 certification | Ashwini Sahakari Rugnalaya and Research Center, Solapur | August 2005 to December 2005 |
| 12. | Lecturer in Microbiology | St. Luke's DMLT (Diploma in Medical Laboratory Technology) College, Solapur | Aug 2002 to Dec 2005 |
| 13. | In-Charge of Microbiology department. | Ashwini Sahakari Rugnalaya and Research Center, Solapur | Nov.1997 till Dec.2005 |
| 14. | Lecturer in Microbiology | Dr VM Medical College, Solapur | Feb. 97 to July 97 |
| 15. | Asst. Lecturer in Microbiology | Dr VM Medical College, Solapur | Nov. 1995 to June 1996 |

CURRENT ATTACHMENTS (AS AN INFECTION CONTROL CONSULTANT ON A REGULAR VISITING BASIS FROM APRIL 2009 ONWARDS):

1. KLES Heart Foundation. Dr Prabhakar Kore hospital, Nehrunagar, Belgaum. Director: Dr MD Dixit. Facility: Cardiology, Cardiovascular and thoracic surgery
2. Swasthiyog Prathisthan, Miraj. Dr GS Kulkarni. Facility: Orthopedic surgery
3. Antarang Endoscopy center, Kolhapur. Dr Vivekanand Kulkarni. Facility: Gastroenterology and Endoscopy

4. Ramkrishna Hospital, Kolhapur. Dr Vivekanand Kulkarni. Facility: Orthopedic surgery, General surgery
5. Sai Cardiac Center, Kolhapur. Dr Chandrashekhar Patil. Facility: Cardiology, Cardiac Surgery, General surgery, Orthopedic surgery, Medicine, Intensive care unit, Hemodialysis.
6. Dr Kiran Prani's Accident and Orthopedic Hospital. Miraj. Facility: Orthopedic surgery.
7. Dr AM Joglekar. Ophthalmology hospital, Kolhapur. Facility: Ophthalmology
8. DY Patil Medical hospital, Dental college and hospital. Pimpri, Pune. Facility: multispecialty hospital and dental hospital
9. Satara Hospital, Satara. Dr Shinde. Facility: Multispecialty surgical
10. Dr MC Modi Eye Hospital, Bangalore

RESEARCH, CONFERENCE PRESENTATIONS AND PUBLICATIONS:

| | Type | Topic | Details | |
|----|---|---|---|----------------------------|
| 1. | Kolhapur critical care society | Speaker - Infection control in the OT and ICU | Kolhapur | 13 th June 2014 |
| 2. | MASICON 2013, Nashik | Faculty – “Plan your OT better – OT Design and HVAC” | Nashik 7-10 Feb, 2013 | 9 th Feb 2013 |
| 3. | “Steri-Tech 2013” conducted by the Hospital Sterile Services Association, India | Speaker – “CSSD –Partner in Disinfection” | Mumbai | 12 th Jan 2013 |
| 4. | MISACON 2012 Maharashtra State Anesthesia conference | Faculty - Infection Control – Role of the Anesthetist | Kolhapur | 25 th Nov 2012 |
| 5. | Tramacon Mumbai 2012. Trauma Society of India. | Faculty - Prevention of infection in orthopedic surgery | Mumbai | 17 th Aug 2012 |
| 6. | CME by Kolhapur Orthopedic society | Faculty - Prevention of surgical site infection | Kolhapur | 29 th Jan 2012 |
| 7. | 30 th Annual Conference of the Karnataka Ophthalmic society (KOS) | OT discipline and Inadvertent Breaches | Bangalore | 11 th Nov 2011 |
| 8. | OT workshop for Ophthalmology OT assistants. | Disinfection and Sterilization”, “Linen Management” and “Breaks in Asepsis” | Mahalaxmi Memorial Hospital, Sirsi. | 16 th Oct 2011 |
| 9. | Panelist | Antibiotic Resistance – Where do we go from here? | Lecture by Dr Vinay Mhaisale at Hotel Effa, Belgaum | 7 th Oct 2011 |

| | | | | |
|-----|---------------------------------------|--|---|---------------------------------|
| 10. | National (Oral) | “Operation Theater (OT) design in Mid-sized and smaller Indian cities – Common Lacunae and Suggestions for Change – an observational study” | Xth HISICON 2009 National Conference. | Pune, 2009 |
| 11. | International (poster) | “Current Status of Prevention of Surgical Site Infection in Peripheral, Remote and Rural Operating Rooms in India – Some Observations and Recommendations” | 34 th Annual APIC Educational Conference and International Meeting | San Jose, California, June 2007 |
| 12. | Publication (textbook chapter) | Prevention of Surgical Site Infections | “Textbook of Orthopedics” Ed. by Dr GS Kulkarni. | Second edition |
| 13. | Publication as first author | “Prevention of Sternotomy Infections in Cardiac Surgery” | “Lifeline”. ISSN 0974-5475. A journal of the KLES University, Belgaum | |
| 14. | Research (dissertation) | “Estimation of Plasma Fibrinogen levels by Single Radial Immunodiffusion method as a prognostic and diagnostic tool in Heart Disease” | Shivaji University, Kolhapur | 1996 |

MEMBERSHIPS:

1. International Member of APIC (Association of Professionals in Infection Control and Epidemiology), USA.
2. Associate member of the International Federation of Infection Control for year 2010.

OTHER TALKS / POWERPOINT SLIDE PRESENTATIONS GIVEN:

| No | Topic | Location/Body | Date |
|----|--|--|-----------------------------|
| 1. | Prevention of ventilator associated pneumonia | Org by Kimberley Clarke. Astor-Aadhar, kolhapur | 28 th Jan 2013 |
| 2. | Prevention of surgical site infection | Org by Kimberley Clarke. Astor-Aadhar, kolhapur | 28 th Jan 2013 |
| 3. | Infection Control in the ICU | Organized by Pfizer at Clarks inn Hubli. | 22 nd May 2012 |
| 4. | Prevention of infection in Ophthalmic Surgery | Organized by 3M for Ophthalmologists in Belgaum at Hotel Adarsh Palace | 22 nd April 2012 |
| 5. | “Cleaning and Disinfection in Critical Care Area” | CRITICON organized by Vikram hospitals, Mysore. Mysore | 24 th Feb 2012 |
| 6. | Infection Control in Oncology Settings | Bangalore Institute of Oncology (HCG), Bangalore | 23 rd Feb 2012 |
| 7. | Multiple presentations (design, cleaning and fumigation etc.) on | CME by Kolhapur Association of Orthopedics. DY Patil hospital | 29 th Jan 2012 |

| | | | |
|-----|---|--|------------------------------------|
| | "Infection Control in Orthopedic Surgery" as faculty | Kolhapur | |
| 8. | Talk on "Bacterial Resistance to Antibiotics" | Surgical Society of Belgaum. Arranged by Pfizer | 10 th Jan 2012 |
| 9. | Talks on various topics such as "Infection Prevention for Faculty", "CDC Guidelines on Infection Prevention in Dentistry", "Understanding Quality Improvement" | SDM Dental College and Hospital, Dharwad as a part of preparation for accreditation by the American Dental Association | Ongoing from August 2010 till date |
| 10. | Talks on various topics such as "Glycemic Control to prevent Surgical Site Infections in Cardiac Surgery", "Antibiotic Policy", "Analysis of infected cases," "Prevention of Ventilator Associated Pneumonia", "The Surgical Scrub" etc | KLES Heart Foundation, Prabhakar Kore Hospital and MRC, Belgaum | Ongoing from April 2009 |
| 11. | Preventing infections in the OT – work protocols and work discipline | "Live demonstration and hands on Workshop on Total Hip Replacement", organized by the Sangli Orthopedic association, Sangli. | May 2009 |
| 12. | Selection and Use of Disinfectants | Annual gathering and workshop of the sales personnel of Raman and Weil Pvt Ltd, India, Mysore | March 2009 |
| 13. | Infection Prevention in the OT and ICU | Kashiben Children's Hospital, Vadodara | January 2009 |
| 14. | Prevention of Surgical Site infections | Sterling Hospital, Vadodara | January 2009 |
| 15. | Prevention of Surgical Site Infections | Seychelles Medical Council Conference, Mahe, Seychelles | Feb 2006 |
| 16. | Prevention of Surgical Site Infection | Kolhapur Obst. And Gyn. Society | May 2005 |
| 17. | Prevention of Surgical Site Infection | Solapur Obstetric and Gynecological Society | July 2005 |
| 18. | Prevention of Surgical Site Infection | Kolhapur Orthopedic Society | January 2005 |
| 19. | Prevention of Surgical Site Infection | Maharashtra Orthopedic Association Conference (MOACON), Kolhapur | Nov 2004 |
| 20. | Prevention of Surgical Site Infection | Prevention of Surgical Site Infection' | Sep 2004 |
| 21. | Prevention of Surgical Site Infection | Society of OBGY, Goa | Oct 2003 |

| | | | |
|-----|---|----------------------------------|----------|
| 22. | Infection control with an emphasis on Prevention of Surgical Site infection | Doctors Fraternity of Sindhudurg | Sep 2003 |
| 23. | Prevention of Surgical Site Infection | Pune Institute of Neurology | 2003 |
| 24. | Prevention of Surgical Site Infection | Swasthiyog Prathisthan, Miraj | 2002 |
| 25. | Prevention of Surgical Site Infection | Solapur Ophthalmology Society | 2002 |

SPECIALTY WISE CONSULTATIONS PROVIDED IN INFECTION CONTROL FROM FEB 2003 TO Jan 2013:

| No | Specialty | Number visited |
|----|--------------------------------|----------------|
| 1 | Ophthalmology | 21 |
| 2 | Orthopedic | 15 |
| 3 | Gastro-enterology (endoscopy) | 1 |
| 4 | Multi-specialty | 6 |
| 5 | Neurosurgery | 3 |
| 6 | Plastic surgery | 1 |
| 7 | Pediatrics (incl. neonatology) | 6 |
| 8 | Urology | 3 |
| 9 | Gynec & Obst | 9 |
| 10 | Medicine | 1 |
| 11 | Oncosurgery | 1 |
| 12 | Gen surgery | 4 |
| 13 | Cardio-thoracic surgery | 2 |
| 14 | Cardiology | 1 |
| 15 | ENT | 1 |
| 16 | Burn Care center | 1 |
| 17 | Dental | 2 |
| 18 | Dialysis, Nephrology | 3 |

