



CPB Con
Chennai 2019



19th Annual Meet

ISECT CON CHENNAI 2019

22nd & 23rd February
2019

IDEAL BEACH RESORT
Mahabalipuram, Chennai



Day 1

22nd February (Friday)

8.00 am Onwards
REGISTRATION

► FOCUS QUALITY AND SAFETY FIRST

MODERATORS

◆ *Mr. Simon Richard Pinto* ◆ *Mr. Robert Joseph Benjamin*

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- 09:00 - 09:10 Incorporating Cost Effective Simulation Based Training Method for Cardiopulmonary Perfusion Trainees
◆ *Ms. Dharani Srinivasan*, CMC, Vellore
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- 09:15 - 09:25 A Survey of Awareness and Actual Physical Activity Amongst Perfusionists In INDIA
◆ *Mr. Vishal Patel*, DDMM Heart Institute, Gujarat
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- 09:30 - 09:50 GUEST LECTURE: Terumo Skill Lab
◆ *Mr. Rahul Sharma*, Terumo
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- 09:55 - 10:15 GUEST LECTURE: Resetting Attitudes to Safety - Incorporating Safety II
◆ *Mr. Timothy Willcox*, Auckland City Hospital, New Zealand

► MYOCARDIAL PRESERVATION: *Protect, Perfuse and Preserve*

MODERATORS

◆ *Mr. Sam Immanuel* ◆ *Mr. Madhusudana Naidu* ◆ *Ms. Kinnari N. Chudasama*

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- 10:20 - 10:30 Custodiol (HTK or Bretschneiders) Cardioplegia - Challenges in Electrolytes (Na, K, Ca) Management
◆ *Mr. Sundar Rajan*, Mediclinic Middle East Hospitals, Abu Dhabi
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- 10:35 - 10:45 Use of Ringers Lactate as A Substitute to Plasmalyte-A Base Solution in del Nido Cardioplegia
◆ *Ms. Smita Babariya*, MGM Institute of Health Sciences, Navi Mumbai
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- 10:50 - 11:00 Modified BSG Cardioplegia Delivery Circuit
◆ *Mr. Bhagwan Singh*, Military Hospital, CTC, Pune
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11:05 - 11:25 GUEST LECTURE: Myocardial Protection - Recent Advances
♦ **Dr. Karthik Raman**, MMM, Chennai

11:30 - 12.20 **INAUGURATION**

OXYGENATORS: *Integrated Advantage and Interventional Complications*

MODERATORS

♦ **Mr. Loknath Tiwari** ♦ **Dr. Vijaya Vivek Lanje**

12:25 - 12:35 High Pressure Excursion (HPE): Treatment of the Torment
♦ **Mr. Kamal Das R.G.**, Kar Medical College, Kolkata

12:35 - 12:55 GUEST LECTURE: Use of Integrated Arterial Filter Oxygenators in Recent Perfusion Practice - Immense Benefits for Superior Patient Outcome
♦ **Mr. Christian Chlela**, LivaNova

13:00 - 14:00 **LUNCH BREAK**

▶ **ECMO : Curriculum of Challenges in Extended Life Support**

MODERATORS

♦ **Mr. Timothy Willcox** ♦ **Mr. P.V.S.Prakash** ♦ **Mr. Elayaraja**

14:10 - 14:20 ECMO as a Bridge to Heart Transplant in a Single Ventricle Physiology Patient
♦ **Ms. Blessly John**, Narayana Hrudayalaya, Bangalore

14:25 - 14:35 V-V ECMO for ARDS, H1N1-Challenges Faced by a Peripheral Centre
♦ **Ms. Aishwarya Prakash**, Narayana Hrudayalaya, Mysore

14:40 - 14.50 Venous-Venous ECMO for Lung Injury
♦ **Mr. Sam Immanuel**, Narayana Hrudayalaya, Bangalore

14:55 - 15:05 Challenges in VV ECMO
♦ **Mr. Siddu S Neginahal**, Fortis Hospital, Bangalore

15:10 - 15:30 GUEST LECTURE: Monitoring of Oxygenator function on ECMO - A stitch in time saves nine
♦ **Mr. Suresh Robert**, Dubai Hospital, Dubai UAE

▶ **VENTRICULAR ASSIST DEVICES: Last Hope to Retain the Failing Heart**

MODERATORS

♦ *Mr. Senthil Kumaran Dhanakotti* ♦ *Mr. Madhan* ♦ *Mr. S. Sundar Rajan*

15:35 - 15:45 Combined Therapy of External Left Ventricular Assist Device and Membrane Oxygenator as A Bridge to Heart Transplant

♦ *Mr. Harikrishnan, Fortis Malar, Chennai*

15:50 - 16:00 LVAD as A Bridge to Recovery in Post CPB with Severe LV Dysfunction Following ALCAPA Repair - Case Series of 3 Neonates

♦ *Ms. Santhanalakshmi, Fortis Malar, Chennai*

16:05 - 16:20 GUEST LECTURE: Real World Experience :CentriMag - Mechanical Circulatory Support

♦ *Ms. Parmita Desai, CentriMag*

16:30 - 16:50 GUEST LECTURE: Future of Perfusion in View of TAVI, MIDCAB and Minimal Invasive Surgical Procedures

♦ *Dr. Oliver Jagaden, Mediclinic Middle East Hospitals, Abu Dhabi*

17:00 - 18:00 PANEL DISCUSSION

MODERATOR

♦ *Dr. Paul Ramesh, Apollo Hospital*

PANALIST

♦ *Dr. Ganapathy* ♦ *Mr. Isaac Chinnapan* ♦ *Mr. PVS Prakash* ♦ *Mr. Gopi. K. Thalapathy*
♦ *Ms. Daphne D.K (Dietician)*

19:00 Onwards GALA DINNER

Day 2

23rd February (Saturday)

▶ **PEDIATRIC PERFUSION:** *Very Small - be Gentle and Cautious*

MODERATORS

♦ *Dr. Adam L. Fernandez* ♦ *Mr. Manoj MC* ♦ *Mr. G. Naveen Kumar*

08:25 - 08:40 GUEST LECTURE: Introduction of New BRIZZIO Oxygenator for Neonate

♦ *Dr. Kazuhisa Lishihara*, R&D Centre, Nipro, Japan

08:45 - 08:55 Correlation of Changes in Fluid Balance During Cardiopulmonary Bypass to the Post-Operative Outcomes in Paediatric Patients Undergoing Congenital Heart Surgery

♦ *Mr. Saravana Perumal*, Narayana Hospital, Andhra Pradesh

09:00 - 09:10 Comparison of Higher Hematocrit and Lower Hematocrit on Cardiopulmonary bypass for Cardiac Surgery

♦ *Ms. Rituja Patil*, MGM School of Biomedical Sciences, Navi Mumbai

09:15 - 09:45 GUEST LECTURE: Progressive Advancements in Pediatric Perfusion

♦ *Mr. Isaac Chinnappan*, Monroe Carell Jr. Children's Hospital, Vanderbilt, USA

▶ **ANEURYSM & ARCH SURGERY:**

Expecting Clinical Intervention for Unexpected Challenges

MODERATORS

♦ *Mr. Ravinath Swami* ♦ *Ms. Subashini* ♦ *Mr. Krishna Prasad TH*

09:50 - 10:00 A Noval Approach to Complex TYPE A Aortic Dissection with Malperfusion - Perfusionist Aspect

♦ *Mr. Savio Mathew*, Sunrise Hospital, Kochi

10:05 - 10.15 Determination of Adequacy of Antegrade Cerebral Perfusion Flow During Unilateral Cerebral Perfusion in Hemi-Arch Aortic Surgery

♦ *Mr. Rajesh Yadav*, All India Institute of Medical Science, New Delhi

▶ **TRANSPLANTATION :** *Culture of Humanity Never Dies*

10:20 - 10:30 Lung Transplantation Using ECMO Circuit Apollo Hospital Experience

♦ *Ms. Krithika*, Apollo Hospital, Chennai

- 10:35 - 10.45 Enbloc Heart and Lung Transplantation - An Institutional Experience
 ♦ **Mr. Selvakumar**, Narayana Hrudayalaya, Bangalore
- 10:50 - 11:00 Use of Irradiated Blood in CPB
 ♦ **Mr. Parth Khakharia**, DY Patil Hospital Mumbai
- 11:05 - 11:25 GUEST LECTURE: Optimizing Perfusion for Long Bypass Time and Complex Surgeries
 ♦ **Mr. Mawande Khayaletu Edson**, Livingstone Tertiary Hospital

▶ **PERFUSION: Ancillary Skills and Plans in Special Population**

MODERATORS

- ♦ **Ms. Muktha Tiwari** ♦ **Mr. Vishal Patel** ♦ **Mr. Subhash Ramachandran**

- 11:30 - 11.40 Accuracy of Ngal (Novel Biomarker) in Accurate & Early Diagnosis and Prognosis of On-Pump Cardiac Surgery Associated Aki in Adults
 ♦ **Mr. Mrinal Mandal**, NEIGRIHMS, Shillong, Meghalaya
- 11:45 - 12:05 GUEST LECTURE: Fatigue Management in Relation to Perfusion Safety
 ♦ **Dr. Adam Fernandez**, British Columbia Children's Hospital, Vancouver, BC, Canada
- 12:10 - 12:20 The Subclavian Intra-Aortic Balloon Pump: A Compelling Bridge Device for Advanced Heart Failure
 ♦ **Mr. Rahul Simon**, Rajagiri Hospital, Cochin, Kerala
- 12:25 - 12:35 Innovative Indiginious RBC Washing Technique by Using Dialysis Membranes
 ♦ **Dr. Vishwas Paul**, Ashwini Sahakari Rugnalaya & Research Center, Solapur, Maharashtra
- 12:40 - 13:00 Guest Lecture: NIRS in CPB and ECMO
 ♦ **Dr. Suresh Rao**, Malar Hospitals, Chennai

13:00 - 14:00 LUNCH

14:00 - 15:00 GAME OF FRONTALIS - FINALS
 ♦ **Mr. Sounder (GKNM) & Team**

15:00 - 15:30 Prize Distribution

15:30 Onwards General Body Meeting

19:00 Onwards BANQUET DINNER

SPICTRA (PEARL) HALL: STUDENTS' SESSION

22nd February (Friday)

09:15 - 09:35	Components of CPB	♦ Mr. Subash Ramachandran <i>Metromed Internatinal Cardiac Centre, Calicut</i>
09:45 - 10:05	Conduct of Safe Bypass	♦ Mr. George Miller , SRMC, Chennai
10:05 - 10:25	Hematologic Disorders and its Management During Bypass	♦ Ms.Thilagavathy , KMCH Hospital, Coimbatore
11:00 - 12:00	Preliminary Quiz	♦ Mr. Soundar & Team
12:00 - 13:00	ECMO Simulation Batch 1	♦ Maquet
13:00 - 14:00	LUNCH	
14:00 - 15:00	ECMO Simulation Batch 2	♦ Maquet
16.00 - 17.30	Wet lab for students: CPB Basics, IABP trouble shooting, ECMO basics	♦ Maquet

23rd February (Saturday)

09:00 - 09:20	Myocardial Protection	♦ Mr. Selvakumar , NH, Bangalore
09:25 - 09:45	CPB in Pediatrics	♦ Mr. Gopi.K.Thalapathy , Royal Hospital, Muscat
09:50 - 10:10	Renal Protection	♦ Mr. Sam Immanuel , NH, Bangalore
10:15 - 10:35	IABP	♦ Mr. Gokul Krishnan , Maquet
11:00 - 13:00	Edwards' sponsored Session	♦ Dr. Anil Tendulkar
13:00 - 14:00	LUNCH	
15:30 - 17:30	Edwards' sponsored Session	♦ Dr. Anil Tendulkar

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