

## **SWACELSO 2018 Workshop & Scientific Program**

Workshop –

1. Workshop on VA & VV ECMO – 18 January 2018, From 10 am to 6 pm
2. Workshop on Cannulation – 18 January 2018, From 10 am to 6 pm
3. Workshop on Advanced ECMO and transplant – 19 January 2018, From 10 am to 6 pm
4. Workshop on various Extracorporeal therapies & ECMO (which includes CRRT, Cytosorb therapy, Plasmapheresis) – 19 January 2018, From 10 am to 6 pm

Symposium –

1. **ECMO learning & trouble shooting through Simulation by Mark Ogino on 18 January 2018 from 8.30 to 10 am**
2. **Hematological management on ECMO with Platelet Aggregometry for bleeding management by Daniel Hediger, Poonam Malhotra Kapoor on 19 January 2018 from 8.30 – 10 am**

**Workshop: 18<sup>th</sup> and 19<sup>th</sup> January 2018**

**Workshop committee –**

Workshop organizing chairman – Dr Yatin Mehta

Workshop organizing secretary – Dr Poonam Malhotra

Workshop Scientific Chairman – Dr Suneel Pooboni

Workshop Scientific secretary – Dr Venkat Goyal, Dr Pranay Oza

**Work station in-charge –**

Workshop on Cannulation – Milind Hote, Manoj Sahoo, Sarvesh Pal Singh, Venkat Goyal

Workshop on VA & VV ECMO – Kewal Krishan, Rajneesh Malhotra, Suneel Pooboni

Workshop on Advanced ECMO course – Balakrishnan, Suresh Rao KG, Pranay Oza

Workshop on various Extracorporeal therapies & ECMO – Christian Napp, Vivek Gupta, Sameer Gami

**Workshop on VA & VV ECMO – 1 day – 18 January 2018,**

**Hall B**

Timing	Topics	Speakers	Chair persons/ Moderators
08.00 – 08.30	Registration & Breakfast		
<b>08.30 – 10.00</b>	<b>Symposium on ECMO learning &amp; trouble shooting through Simulation</b>	<b>Mark Ogino and Team</b>	
10.00 – 10.20	Extracorporeal cardiac support – when & how	Suresh Rao	Kewal Krishan, Rajneesh Malhotra, Venkat Goyal
10.20 – 10.40	Extracorporeal respiratory support – when & how	James Fortenberry	
10.40 – 11.00	Monitoring the VA & VV ECMO patient	Poonam Malhotra Kapoor	

11.00 – 11.20	Coffee break		
11.20 – 11.40	Complications of ECMO	Nandakishore	Richard Firmin, Greg Calligaro, Praveen Khilnani, Murali Krishnan
11.40 – 12.00	Prevention, diagnosis & management of limb ischemia	Vivek Kakar	
12.00 – 12.20	Prevention & management of cardiac stunning	Jana Assy	
12.20 – 12.40	Recirculation – prevention & management	Steve Conrad	
12.40-13.00	My patient remains hypoxemic on VV	Pranay Oza	
13.00-14.00	Lunch break		
14.00-14.30	Cardiac ECMO in Neonatal & Pediatric patient	Issam El Rassi	Malaika Mendonca, V Devagouru
14.30 – 15.10	Words of wisdom in Management of VA & VV	Richard Firmin	
15.10 – 15.30	Weaning strategy for VA & VV ECMO	Alia Abdel Alfattah	
15.30-16.00	Coffee break		
16.00-16.20	ECMO for Pulmonary embolism	Kanchi Muralidhar	Suneel Pooboni, Dhaval Naik, Suresh Rao, Randeep Guleria
16.20-16.40	Short and long-term outcomes after VA ECMO support for cardiogenic shock secondary to AMI	Roberto Lorusso	
16.40-17.00	Cardiac arrest during VA ECMO - what to do	Hwang Nian Chih	
17.00 – 17.20	ECCO2R – innovative method	Dipanjan Ch	
17.20 – 17.40	Follow up after ECMO	Mohammed Elkhwad	
17.40 – 18.00	POST TEST & WRAP UP		

**Workshop on Cannulation – 1 day – 18 January 2018,****Hall C**

Timing	Topics	Speakers	Chair persons
08.00 – 08.30	Registration & Breakfast		
<b>08.30 – 10.00</b>	<b>Symposium on ECMO learning &amp; trouble shooting through Simulation</b>	<b>Mark Ogino and Team</b>	<b>Hall B</b>
10.00 – 10.20	ECMO Cannulation – Site & technique	Dhaval Naik	Ganapatti Arumugum, O P Sanjay, Praveen Verma, Sultan Al Amari
10.20 – 10.40	ECMO Cannula size and position in Asian population	Mathew J Thakaramakkail	
10.40 – 11.00	Cannulation for Cardiac ECMO – neonatal & Paediatric	Chris Harvey	
11.00 – 11.20	Coffee Break		
11.20 – 11.40	Cannulation for Cardiac ECMO – adult	Venkat Goyal	Manoj Sahu, Samir Gami, Chris Harvey, Vivek Kakar
11.40 – 12.00	Cannulation – complications	Anil Bhan	
12.00 – 12.20	Cannulation: Current Prospects and Challenges	Sarvesh Pal Singh	
12.20 – 12.30	Discussion		
12.30 – 13.00	ECMO Cannulation By Non-Surgeon: SAFE or DANGEROUS?	Pro – Naman Shastri Con - Milind Hote	
13.00-14.00	Lunch break		
14.00 – 17.00	Hands on Cannulation – seldinger technique Videos on Cannulation	Yatin Mehta, Venkat Goyal, Pranay Oza, Chris Harvey & team	
17.00 – 17.30	WRAP UP		

**Workshop on Advanced course & Transplant – 1 day – 19 January 2018,**

**Hall B**

Timing	Topics	Speakers	Chair persons
08.00 – 08.30	Registration & Breakfast		
<b>08.30 – 10.00</b>	<b>Symposium – Hematological management on ECMO with Platelet Aggregometry for bleeding management</b>		<b>Moderator: Daniel Hediger, Poonam Malhotra Kapoor</b>
10.00 – 10.20	Simulation in ECMO Practice	Mark O’gino	Lakshmi Raman, Richard Firmin, Suneel Pooboni
10.20 – 10.40	Evaluation of microcirculation and Management of tissue Hypoperfusion	Malaika Mendonca	
10.40 – 11.00	Awake – ECMO: advantages and related challenges	Steve Conrad	
11.00 – 11.20	Coffee break		
11.20 – 11.40	Adult cardiac ECMO in cath Lab	Venkat Goyal	Julius Punney, Dipanjan Ch, Indira Jaya kumar, Mike McMullan
11.40 – 12.00	Strategies for augmenting lung function prior to de- cannulation	Chris Harvey	
12.00 – 12.20	When nothing is going right ?	Suneel Pooboni	
12.20 – 12.40	Non cardiologist approach to Echo during ECMO runs	Justiaan Swanevelder	
12.40-13.00	Re-ECMO: Second run	Chris Harvey	
13.00-14.00	Lunch break		
14.00-14.45	Panel discussion - ECMO as a bridge to transplant	Panelist - Balakrishnan Suresh Rao KG Murali krishnan, Paul Ramesh, Ganapati Arumugum	Moderators Julius Punney OP Sanjay

14.45-15.30	Cerebral autoregulation on ECMO	Laxmi Raman	
15.30-16.00	Coffee break		
16.00-16.20	Set up retrieval team	Ahmed Labib	Suresh Rao, Dhaval Naik, Roberto Lorusso, Mohammed Elkhwad
16.20-16.40	ECMO and lung transplant: Is ambulatory ECMO the right solution	Tim Pennel	
16.40-17.00	Use of ECMO in heart transplant surgery	Balakrishnan	
17.00 – 17.20	Bridging VA ECMO patient to recovery when & how	Ravi Thiagarajan	
17.20 – 17.50	POST TEST & WRAP UP		
18.00 – 19.30	SWACELSO EXECUTIVE COMMITTEE MEETING		

**Workshop on various Extracorporeal therapies & ECMO (which includes CRRT, Cytosorb therapy, Plasmapheresis) – 1 day – 19 January 2018,**

**Hall C**

Timing	Topics	Speakers	Chair persons
08.00 – 08.30	Registration & Breakfast		
<b>08.30 – 10.00</b>	<b>Symposium – Hematological management on ECMO with Platelet Aggregometry for bleeding management</b>	<b>Moderator(s): Daniel Hediger, Poonam Malhotra Kapoor</b>	<b>HALL B</b>
10.00 – 10.20	Renal failure during ECMO: Pathophysiology, Incidence & Evaluation	Aparna Hoskote	Christian Napp, Prachi Sathe, Sameer Gami, Vinod Singh,
10.20 – 10.40	Focus on Fluid balance: Is it essential?	Kanchi Muralidhar	
10.40 – 11.00	Renal replacement therapies during ECMO	Vivek Gupta	
11.00 – 11.20	Coffee break		Sanjeev Mital, Roberto

11.20 – 11.40	CRRT: Technical aspect	Sandeep Diwan	Chiletti, Indira Jaya kumar
11.40 – 12.00	Combining ECMO & CRRT: Technical aspect	Shishir Turner	
12.00 – 12.20	Drug dosing & pharmacokinetics during ECMO & CRRT	Mark Ogino	
13.00-14.00	Lunch break		
14.00-14.30	CRRT & ECMO: Monitoring, anticoagulation & Complications	Indira Jaya kumar	Rihan Shetty, Jana Assy, Farhana
14.30-15.00	Cytokine removal therapies: when how & why?	Christian Napp	
15.00-15.30	Cytokine Removal with High Cut-Off Membrane: An overview	Samir Gami	
15.30-16.00	Plasmapheresis indications & management	Pranay Oza	
16.00-16.30	Coffee break		
16.30-17.00	Combination ECMO and cytokine adsorption therapy	Prachi Sathe	Faisal Khan, Tim Pennel, Nandakishore, Dipanjan Ch
17.00-17.30	Combining ECMO & CRRT: demonstration & hands on	Vivek Gupta	
17.30 – 17.45	POST TEST & WRAP UP		
18.00 – 19.30	SWACELSO EXECUTIVE COMMITTEE MEETING		

**SWACELSO 2018 – Conference Scientific Program**

**Day 1 20-01- 2018 HALL A**

Time	Topic	Speakers	Chair Persons and Moderators
<b>08.00 – 08.30</b>	<b>Registration</b>		
<b>08.30 – 10.30</b>	<b>Session I : Tutorials on ECMO Scope</b>		Yatin Mehta, Mark Ogino, Jim Fortenberry
08.30 – 9.00	Indications & selection criteria – Pediatrics to Geriatrics & future of ECMO	Robert Bartlett	
09.00 – 09.20	ECMO in Poisoning an overview	Vivek Gupta	
09.20 – 09.40	ECMO in pregnancy: H1N1 and ARDS (PPH)	Ibrahim Fauzi	
09.40 – 10.00	ECMO in the Tropical world: Disease specific solutions and challenges	Suneel Pooboni	
<b>10.00 – 10.45</b>	<b>Session II :</b> Panel discussion – Maintaining quality with limited resources : Experience from high volume centres in India	Panelists - Venkat Goyal Suneel Pooboni Pranay Oza Sandeep Dewan Dipanjan Ch Ranjit Saxena	Yatin Mehta
<b>10.45 – 11.05</b>	<b>Coffee break</b>		
<b>11.05 – 13.00</b>	<b>Session III : Plenary session</b>		Venkat Goyal, Suneel Pooboni, Poonam Malhotra
<b>11.05 – 11.25</b>	ELSO Where we are now and where we are going.	Mike McMullen	
<b>11.25 – 11.45</b>	Landmark publications in ECMO	James Fortenberry	
<b>11.45 – 12.15</b>	Historical perspective of ECLS	Roberto Lorusso	

12.15 – 12.40	ECMO and CRRT	Christian Napp	
12.40 – 13.00	Nutrition in ECMO	Yatin Mehta	
<b>13.00 - 14.00</b>	<b>Lunch</b>		
<b>14.00 – 15.10</b>	<b>Session IV : Tutorials on Technology</b>		PVS Prakash Mikaela Allen, Manoj Sahoo
14.00-14.20	Technology must fit requirements	Steve Conrad	
14.20-14.40	Innovative Technology: Nitric Oxide in the Sweep gas	Roberto Chiletti,	
14.40 – 15.10	<b>Symposium on Integrated ECMO</b>		Poonam Malhotra
14.40 – 14.55	Integrated ECMO Circuit: What do we know?	V. Devagourou	
14.55 – 15.10	Integrated ECMO for regressed LV	Sachin Talwar	
15.10- 15.30	Coffee break		
<b>15.30 – 17.30</b>	<b>Session V : Tutorials on Cardiac ECMO</b>		Robert Lorusso, Madan Kuppuswamy, Suresh Rao
15.30-15.50	Cardiac cath on ECMO	Aparna Hoskote	
15.50 – 16.10	Future for IABP in cardiogenic shock	Venkat Goyal	
16.10 - 16.30	Bridging VA ECMO patient to recovery when & how	Ravi Thiagarajan	
16.30 – 16.50	Mechanical devices for cardiogenic shock when to use which	Hwang Nian Chih	
16.50 - 17.10	Weaning & trial off VA ECMO - reverse flow technique	Chris Harvey	



17.10 – 17.50	Panel discussion - Echocardiography on ECMO: special aspects for cardiologists and the team	<b>Panelist:</b> K. K. Kapur, Rakesh Gupta, Naman Shastri, Aparna Hoskote, Justiaan Swanevelder, Ravi Thiagarajan	<b>Moderator:</b> Poonam Malhotra Kapoor
17.50 - 18.10	ECMO in Heart failure	Murali Krishnan	Mike McMullen, Julius Punney, Kewal Krishnan
18.10 – 18.30	VA ECMO – Invasive to Non invasive monitoring & Biomarkers	Praveen Khilnani	

## ***Day 1 20 – 01 – 2018 HALL B***

Time	Topic	Speakers	Chair persons
<b>08.30 – 10.10</b>	<b>Hall A for Session I : Tutorials on ECMO Scope</b>		
<b>10.10 – 11.10</b>	<b>Session VI : Tutorials on Management</b>		Roberto Chiletto, Vivek Kakar, Samir Gami
10.10 – 10.30	Best test to measure anticoagulation	Ravi Thiagarajan	
10.30 – 10.45	ECMO Quality initiatives	Kanchi Muralidhar	
10.45 – 11.00	Transfusion strategy on ECMO: changing trends	Roberto Lorusso	
<b>11.00 – 11.20</b>	<b>Coffee break</b>		
11.20 – 12.30	HALL A PLENARY SESSION		
12.30-13.00	<b>Session VII : Symposium on ECMO Specialist Programs</b>		Mark Ogino, Nandakishore, Geetanjali
<b>12.30 – 12.45</b>	ECMO simulator for continuous education	Ram	
<b>12.45 – 13.00</b>	ECMO specialist role in resource limited countries	Shishir Turner	
<b>13.00 - 14.00</b>	<b>Lunch</b>		

<b>14.00 – 17.30</b>	<b>Session VIII : Tutorials on ECPR and the Brain</b>		Mohammed Elkhwad, Prachi Sethi, Paul Ramesh
14.00-14.20	Neurologic complications of ECMO: Understanding Cerebral autoregulation	Lakshmi Raman	
14.20 – 14.40	ECPR – newer dimensions in SWAC ELSO	Vivek Kakar	
14.40 – 14.55	Cooling for cardiac arrest where we are	Malaika Mendonca	
14.55 – 15.10	Neuro ECMO and trauma	Ahmed Abdussalam	
15.10- 15.30	Coffee break		
<b>15.30 – 18.30</b>	<b>Session IX : Tutorials on Respiratory ECMO</b>		Daniel Hediger, Tanil Kendirlim, Jayanthi Kishore, Jana Assy
15.30-15.50	Rest Ventilation: what do we know?	Randeep Guleria,	
15.50 – 16.10	Troubleshooting your ECMO tips and tricks	Chris Harvey	
16.10-16.30	Optimal time scales for success: How long is too long?	Pranay Oza	
16.30 – 16.50	Combined modes ECMO: when to upgrade?	Sheikh Maksood Ilahi	
16.50 - 17.10	Extubation on ECMO	Mark Ogino	
17.10 – 17.50	Role of ECMO in alveolar proteinosis	Greg Calligaro	
17.50 - 18.10	Flying ECMO Indian Scenario	Pranay Oza	
18.10 – 18.30	Rationale for prone position in VV ECMO	Tim Pennell	

## Day 2, Sunday 21 – 01 – 2018 HALL A

Time	Topic	Speakers	Chair person
07.00 – 08.30	TCS Held Online Exam for Certificate course for Perfusionists, technicians and Nurses	Hall B: Gulmohar Hall, IHC, New Delhi	
08.30 – 09.00	Best Free Paper and Poster Presentations	Hall C: Juniper Hall, IHC, New Delhi	
09.00 – 10.00	The Simulation Society (TSS) oration for SWAC ELSO 2018	The Simulation Society (TSS) oration for SWAC ELSO 2018	Dr Robert Bartlett
10.00 – 11.40	Experience of our centres: Progress and hardships in establishing and maintaining ECLS <ul style="list-style-type: none"> <li>• Egypt, Cairo – Akram Abdel Bary</li> <li>• India – Suneel Pooboni,</li> <li>• Iran – Ali Boroujerdi Alavi</li> <li>• Lebanon – Jana Assy</li> <li>• Qatar – Ibrahim Fauzy</li> <li>• Sri Lanka - Toulusha Harishchandra</li> <li>• South Africa – Gerry Capatos</li> <li>• UAE, Abu Dhabi – Vivek</li> </ul>	Moderator: <b>Yatin Mehta</b> & Pranay Oza,	(10 mins for each speakers)
11.40 – 12.00	Infection and ECMO: Drug resistance, changing bacterial flora	David Jenkins	Madan Kuppuswamy, Indira Jayakumar, Suneel Pooboni, Venkat Goyal
12.00 – 12.15	Invasive Fungal infection on ECMO	Yatin Mehta	

12.00 – 13.30	Valedictory Session: Life time Achievement Award Honorary Fellowship Certificate Books and Journal Release Fellowship Certificates distribution		
13.30 – 14.00	Closing Remarks and Announcement of ELSO SWAC 2019		
14.00 on wards	Lunch		

