

## Renal Replacement Therapy (RRT) Workshop

Lead : Rajesh Mishra

National Coordinators : Kanwalpreet Sodhi & Tapas Sahoo

Local Coordinator : Deepak Vijayan , Vaishnavi Rajavel & Rayees Ak

**Venue : Grand Ballroom I, Grand Hyatt, Kochi Bolgatty**

05th March 2025

Time	Topic	Speaker
08:30 – 09:00	Registrations and Pre-Test	Harish M M
	Introduction to Course	Rajesh Mishra Kanwalpreet Sodhi
09:00 – 09:25	Introduction to Renal Replacement Therapy Terminologies, Modes and Modality Selection	Tapas Sahoo
09:25 – 09:50	SLED Intricacies Peritoneal Dialysis Intricacies	K Subba Reddy
09:50 – 10:15	CRRT Intricacies	Valentine Lobo
10:15 – 10:35	SLED and CRRT Prescriptions based on case scenario	Ranajit Chatterjee
10:35 – 11:15	Video based sessions (20 mins each)	
	SLED Circuit Priming	Valentine Lobo Kanwalpreet Sodhi
	CRRT Circuit Priming: live demonstration on CRRT Machine	Tapas Sahoo Niraj Tyagi
11:15 – 11:55	2 Workstations (20 mins each)	
	SLED – Knobology & Circuit Priming	Julia Wendon Harish M M K Subba Reddy Deepak Vijayan
	CRRT – Knobology & Circuit Priming	Bram Rochweg Niraj Tyagi Shruti Sharma Vaishnavi Rajavel
11:55 – 12:10	Tea Break	
12:10 – 13:10	3 Workstations (20 mins each)	
	Plasmapheresis	Bram Rochweg Valentine Lobo Shruti Sharma
	Dialysers/cannulas/Filters for hemadsorption/Sepsis	Tapas Sahoo Harish M M Rayees Ak
	Anticoagulation & Troubleshooting in CRRT and SLEDD	Ranajit Chatterjee K Subba Reddy Akhil Taneja
13:00 – 13:40	Lunch	
13:40 – 15:45	5 Case-Based Discussions (CBD)	
	Case 1 – Managing the Heart Failure Patient with Worsening Renal Function (WRF)	Tapas Sahoo Deepak Vijayan
	Case 2 – The Septic Patient: What is the Evidence for Blood Purification?	Harish M M K Subba Reddy Rayees Ak
	Case 3 – Toxicology	Ranajit Chatterjee Akhil Taneja Shruti Sharma
	Case 4 – Traumatic Brain Injury Patient with Cerebral Edema Leading to Acute Kidney Injury and Hypernatremia	Niraj Tyagi Vaishnavi Rajavel
	Case 5 – Anticoagulation Issues During Renal Replacement Therapy in Acute Liver Failure Patients	Julia Wendon Valentine Lobo Kanwalpreet Sodhi
15:45–16:00	Tea Break	
16:00 – 16:20	Evidence in Renal Replacement Therapy	Bram Rochweg
16:20–17:00	Panel Discussion (Practical Considerations/Challenges Just Ask Anything In Renal Replacement Therapy)	Moderator K Subba Reddy Kanwalpreet Sodhi Panelists Julia Wendon Bram Rochweg Tapas Sahoo Valentine Lobo Niraj Tyagi Ranajit Chatterjee Harish M M
17:00 – 17:30	Fun-filled interactive Quiz	Tapas Sahoo Akhil Taneja
17:30	Wrap-Up and Adjourn	

## Extracorporeal Membrane Oxygenation (ECMO) Workshop

Lead : Yatin Mehta

National Coordinator : Poonam Malhotra & Vinod Singh

Local Coordinator : Naveen Jasmine , Jobin Abraham & Amith Sreedharan

**Venue : Grand Ballroom I, Grand Hyatt, Kochi Bolgatty**

06th March 2025

Time	Topic	Speaker
08.30 - 08.45	Introduction to ECMO	Yatin Mehta
08.45 - 09.00	ECMO over the years - where we stand today? Analysis from ELSO database	Poonam Malhotra
09.00 - 09.15	ECMO Physiology	Arindam Kar
09.15 - 09.30	Indications and Contraindications	Vinod Singh
09.30 - 09.45	Understanding ECMO circuit & components and hardware	Venkat Goyal
09.45 - 10.00	Techniques and strategies for ECMO cannulation in adults	Pranay Oza
10.00 - 10.20	Initial setting & Daily management & monitoring	Vivek Gupta
10.20 - 10.35	TEA BREAK	
10.35 - 10.50	Hemadsorption: Extracorporeal therapy on ECMO	Yatin Mehta
10.50 - 11.05	Identification, prevention, management of Complications on ECMO and Troubleshooting	Pranay Oza
11.05 - 11.20	Strategies for Anticoagulation management in adult ECMO patients	Poonam Malhotra
11.20 - 11.35	Strategies and protocols for Weaning & decannulation of patients on ECMO	Arpan Chakraborty
11.35 - 11.50	ECCO2R- Does it have any role?	Arpan Chakraborty
11.50 - 12.05	Newer uses of ECMO: ACS, Trauma, Sepsis, Organ donation ECPR etc.	Arindam Kar
12.05 - 12.20	Transport of ECMO patient	Vinod Singh
12.20 - 12.35	Technology and Innovation in ECMO: An Update	Vivek Gupta
12.40 - 13.45	LUNCH	
14.00 - 17.30	Hands-on Workshop	
Station 1	Initiation, Priming the ECMO Circuit initial setting & maintenance of ECMO	Vinod Singh Jobin Abraham
Station 2	ECMO Complications on Simulator : Hypoxia, Hypovolemia & Thrombosis, oxygenator & pump failure; Air Embolism	Arpan Chakraborty Amith Sreedharan
Station 3	Circuit Change - CASE SCENARIO	Pranay Oza Venkat Goyal
Station 4	CRRT with ECMO	Vivek Gupta Bikash Ranjan Ray
Station 5	Case based discussion - ECMO Simulation scenarios & management	Poonam Malhotra Naveen Jasmine