



# 4<sup>th</sup> World Conference on COMPREHENSIVE CRITICAL CARE (W4C) & 2<sup>ND</sup> ODISHA CRITICON 2024

●●● Theme: Organ Failure- Prevention & Management ●●●

ISCCM Bhubaneswar City Branch Organising W4C 2024 in Collaboration with SUM Ultimate Medicare  
19<sup>th</sup> - 22<sup>nd</sup> September 2024 | Venue: SOA Convention Centre (Campus II), Bhubaneswar

## RRT & ECMO Workshop

Date - 19th September 2024 | Venue: SOA Convention Centre (Campus II), Bhubaneswar



Dr. Valentine Lobo



Dr. Pramod Guru



Dr. Dereddi Raja S. Reddy



Dr. Tapas Kumar Sahoo



Dr. Vinod Singh



Dr. Niranjana Panigrahi



Dr. Biswabikash Mohanty



Dr. Biswajit Mishra

### Highlights of the Workshop

- Nuts and bolts of RRT
- Basic principles for initiation of RRT
- Troubleshooting of RRT
- ECMO physiology and principles
- Troubleshooting ECMO emergencies

### NEW COURSE FORMAT

Extensive hand-on Discussions | Case Based Discussions

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REGISTRATION

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Dr. Narendra Rungta  
Chairman,  
Critical Care Foundation



Dr. Banambar Ray  
Org. Chairman



Dr. Ranvir Singh Tyagi  
Vice Chairman



Dr. Lalit Singh  
Vice Chairman



Dr. Anand Mishra  
Org. Secretary 2024



Dr. Parvaiz Kaul  
Org. Secretary 2025

### CONFERENCE SECRETARIAT

Dr. Anand Mishra (Organising Secretary)  
2nd Floor, Family Counselling Room Sum Ultimate Medicare, K-8, Kalinga Nagar,  
Ghatikia, Bhubaneswar, 751003, Odisha  
M: +91 63729 00094/ 70084 27610 | E: w4c2024bhubaneswar@gmail.com  
Web.: www.w4c.live



PROFESSIONAL CONFERENCE ORGANISER  
56, Institutional Area, Sector 44,  
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Web.: www.meetingsnmore.com



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&  
**2<sup>nd</sup> ODISHA CRITICON 2024**



Theme: Organ Failure- Prevention & Management

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**Pre Conference Workshop, Thursday: 19th September 2024**

**RRT & ECMO Workshop**

**Course Directors: Tapas Kumar Sahoo, Biswabikash Mohanty**

**Course Coordinators: Santi Swaroop Pattanaik, Sanjib Kumar Dhar, Satyajit Choudhury, Biswajit Mishra**

Time	Topic	Speaker
0900 - 0915	Opening Remarks and Pre-Test	Biswabikash Mohanty
0915 - 0930	Key Note Talk-Critical Care Nephrology-Quo Vadis?	Tapas Kumar Sahoo
	Introduction to Renal Replacement Therapy	Valentine Lobo
<b>0950 - 1120</b>	<b>2 Workstations (45 minutes each) – 2 Groups</b>	
Station 1	SLED & HD - Knobology, Troubleshooting, Prescription	Biswajit Mishra Kumar Abhijeet Dash Amruta Devi
Station 2	CRRT - Knobology, Troubleshooting, Prescription	Valentine Lobo Deba Prasad Kar Sunil Jena
<b>1120 - 1130</b>	<b>Tea &amp; Coffee Break</b>	
<b>1130 - 1330</b>	<b>Case Based Discussions (30 minutes each)</b>	
Case 1	Managing the heart failure patient with worsening renal function	Valentine Lobo Biswajit Mishra
Case 2	The Septic Patient: What is the Evidence for Blood Purification?	Vinod Singh Alok Kumar Mohapatra
Case 3	Traumatic Brain Injury Patient with Cerebral Edema Leading to Acute Kidney Injury and Hyponatremia	Tapas Kumar Sahoo Sucharita Chakraborty
Case 4	Anticoagulation Issues During Renal Replacement Therapy in Acute Liver Failure Patients	Valentine Lobo Scientia Sanjivani
<b>1330 - 1430</b>	<b>Lunch</b>	
1430 - 1450	Indications and Pathophysiology of ECMO	Pramod Guru
1450 - 1510	Troubleshooting in ECMO	Vinod Singh
<b>1510 - 1615</b>	<b>Two workstations (60 mins) Simultaneously in two stations</b>	
	1. ECMO knobology circuit and components 2. Initiation, maintenance & termination 3. Trouble shooting & various alarms	
Station 1		Pramod Guru Dereddi Raja S. Reddy Sanjib Kumar Dhar Satyajit Choudhury
Station 2		Vinod Singh Niranjan Panigrahi Prasanta Kumar Das Biswabikash Mohanty Santi Swaroop Pattanaik
<b>1615 - 1630</b>	<b>Tea &amp; Coffee Break</b>	
<b>1630 - 1730</b>	<b>Case Based Discussions (30 minutes each)</b>	
Case 1	Young male with primary ARDS and Refractory Hypoxemia	Pramod Guru Dereddi Raja S. Reddy Prasanta Kumar Das
Case 2	Patient with Aluminium Phosphide intoxication and cardiogenic shock	Niranjan Panigrahi Santi Swaroop Pattanaik Sanjib Kumar Dhar
1730 - 1745	RRT & ECMO Unplugged (QUIZ SESSION)	Valentine Lobo Vinod Singh Pramod Guru Tapas Kumar Sahoo Biswabikash Mohanty Niranjan Panigrahi
<b>Vote of Thanks</b>		

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