



4th World Conference on COMPREHENSIVE CRITICAL CARE (W4C) & 2ND ODISHA CRITICON 2024

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

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

Mechanical Ventilation Workshop

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



Dr. Samir Sahu



Dr. Sandeep Kantor



Dr. Ramesh Venkataraman



Dr. Bikram Gupta



Dr. Prashant Kumar

Highlights of the Workshop

- Overview of respiratory anatomy & physiology
- Principles of mechanical ventilation
- Ventilation waveform analysis and interpretation
- Patient categories and modes of ventilation
- Troubleshooting & ventilator alarm

NEW COURSE FORMAT

Extensive hand-on Discussions | Case Based Discussions

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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,
Gurgaon - 122002, Haryana, India
Web.: www.meetingsnmore.com

Pre Conference Workshop, Thursday:+A2:C26 19th September 2024

Mechanical Ventilation Workshop

Course Directors: Samir Sahu, Prashant Kumar, Bikram Gupta

Course Coordinators: Sampat Dash, Subhasis Jamuda, Vithal Rajanala, Abhilash Dash

Time	Topic	Speaker
0900 - 0930	Introduction & Pretest	Samir Sahu
0930 - 0950	Intubation in Critically Ill	Prashant Kumar
0950 - 1010	Respiratory Physiology	Samir Sahu
1010 - 1040	Basic Ventilation: Modes, Graphics, Nomenclatures, Settings	Bikram Gupta
1040 - 1100	Sedation	Sandeep Kantor
1100 - 1120	Weaning	Ramesh Venkatraman
1120 - 1145	Tea & Coffee Break	
1145 Onwards	Workstations	
Basic Ventilation		
1145 - 1225	Basic Ventilation all 5 stations simultaneously. All faculty will take Basic ventilation. The delegates will be made into 5 groups. After basic ventilation the delegates will rotate to the other stations	All Faculty
Skill Station 1		
1225 - 1305	Oxygen delivery devices	Prashant Kumar Manoj Kumar Pravat Ranjan Sahoo Kiranpreet Kaur
1305 - 1335	Lunch	
Skill Station 2		
1335 - 1415	Ventilatory strategies in COPD	Sandeep Kantor Subhasis Jamuda Abhilash Dash
Skill Station 3		
1415 - 1455	Ventilatory strategies in ARDS	Bikram Gupta Vithal Rajanala Rubina Khullar Mahajan Sumedha Vashishth
Skill Station 4		
1455 - 1535	Trouble Shooting in ventilation	Ramesh Venkatraman Arun Kumar Sahu Amandeep Kaur
Skill Station 5		
1535 - 1615	Non-invasive ventilation	Samir Sahu Sampat Dash Mayurdhwaja Rath Nidhi Bangarwa
Skill Station 6		
1615 - 1655	Station of your Choice	All Faculty
1700 - 1730	Post Test, Feedback & Concluding Remarks	
1730 - 1745	Tea & Coffee Break	
Vote of Thanks		
Hands On Session (1145 am to 1700 pm excluding lunch time) 40 minutes for each skill station		

1. Groups should be of 8-10 delegates
2. Groups will be of similar levels
3. Preferably of same institutions
4. Basic Ventilation will be case based and cover generic parts of ventilator and teach how to set a ventilator for a patient with normal lungs. It will cover Modes, Graphics, Alarm settings, Monitoring, identifying basic problems & solving them.
5. COPD will be case based and will cover Pressures, AutoPEEP, and interventions to solve the problems & weaning.
6. ARDS will be case based and will cover diagnosis, Low TV ventilation, PEEP titration & individualization, Deep sedation & neuromuscular blockade, Prone Positioning, ECMO & proning in ECMO.
7. Trouble Shooting will cover Low MV & Leaks, High MV, High Peak Pressures, Desaturation & Patient Ventilator Asynchronies.
8. NIV will be case based (one COPD exacerbation & one Cardiogenic Pulmonary Edema). It will cover indications, contraindications, location, mask selection, setting up, monitoring, asynchrony, detecting failure, backup plan and weaning.

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