

32nd Annual Conference of Indian Society of Critical Care Medicine

Workshops: 25th & 26th February 2026 | Conference: 27th February, 28th February & 1st March 2026

Theme: Humanisation in the Era of Data Science | Venue: Chennai Trade Centre, Chennai, Tamilnadu

Mechanical Ventilation Workshop

25th & 26th Feb 2026 | Feathers Hotel - Carnation 2

National Lead



Ram E Rajagopalan

National Directors



Sumit Ray



Pragyan Kumar Routray



Raymond Dominic Savio

Local Coordinator



Velmurugan Selvam

MEET OUR EXPERT FACULTY



Anusha Cherian



Carolyn Calfee



Mahendran Senthilnathan



Marcus Schultz



Meghena Mathew



Pankaj Anand



Rajesh Pande



Ross Freebairn



Sabanayagam Vaidyanathan



Sameer Jog



Senthil Kumar



Arun Kumar

For more details
www.criticare.isccm.org



Time	Topic	Faculty
Day 1: 25th February 2026, Wednesday		
Physiology and basics of mechanical ventilation		
09:00 – 09:45	Basics of Ventilator graphics and modes	Ram Rajagopalan
09:45 – 10:30	Understanding Respiratory Mechanics in Ventilated Patients	Pragyan Kumar Routray
10:30 – 11:15	Optimizing Patient–Ventilator Synchrony in the ICU	Ross Freebairn
11:15 – 11:30	Tea break	
	Workstations (45mins per session *4)	
11:30-12:15	Workstation 1 Initiation of mechanical ventilation	Ram Rajagopalan Pankaj Anand
12:15 – 13:00	Workstation 2 Trouble shooting of Ventilator Alarms and graphics	Ross Freebairn Meghena Mathew Sabanayagam Vaidyanathan
13:00 – 13:45	Lunch Break	
13:45 – 14:30	Workstation 3 Ventilator Adjuncts – Humidification / nebulizers	Senthil Kumar Mahendran Senthilnathan
14:30 – 15:15	Workstation 4 – Non-invasive ventilation & HFNC	Rajesh Pande Velmurugan Selvam
15:15 – 15:30	Tea break	
15:30 – 16:10	Understanding Heart–Lung Interactions in Critical Care	Senthil Kumar
16:10 – 16:40	Weaning Challenges: From Simple to Difficult	Rajesh Pande
16:40 – 17:00	Discussion	

Time	Topic	Faculty
Day 2 : 26th February 2026, Thursday Disease specific ventilation and advanced modes		
09:00 – 09: 40	Optimizing Ventilation in ARDS: From Basics to Advanced Strategies	Sumit Ray
09:40 -10:20	ARDS Management: Current Concepts and Phenotype-Based Strategies	Carolyn Calfee
10:20 – 11:00	COPD and Asthma ventilation	Anusha Cherian
11:00-11:15	Tea break	
11:15 – 11:50	Introduction to Advanced Mechanical Ventilation Modes	Marcus Schultz
11:50- 12:10	Prone ventilation	Velmurugan Selvam
12:10 – 12:45	TPP guided ventilation & Concept of driving pressure and Mechanical Power	Sameer Jog
12:45-13:30	Lunch Break	
	Workstations (45mins per session *4)	
13:30 – 1415	Workstation 1 – ARDS ventilation & APRV	Carolyn Calfee Sumit Ray Sabanayagam Vaidyanathan
1415 – 1500	Workstation 2 – Asthma & COPD ventilation	Pragyan Kumar Routray Anusha Cherian Pankaj Anand
15:00 – 1515	Tea break	
15:15 – 16:00	Workstation 3 – PRVC, ASV & PAV	Marcus Schultz Senthil Kumar Arun Kumar Velmurugan Selvam
16:00 – 16:45	Workstation 4 – NAVA and TPP guided ventilation	Sameer Jog Rajesh Pande
16:45- 17:00	Discussion	

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