

## Mechanical Ventilation

Lead : Pradip Kumar Bhattacharya

National Coordinator : Bharat Jagiasi, Rajesh Pande & Sameer Jog

Local Coordinator : Shyam Sundar P, Ajith.K.Gopal & Visal .V

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

**05th March 2025**

Time	Topic	Speaker
09.20 – 09.30	Introduction & Welcome	Pradip Kumar Bhattacharya
09.30 – 09.55	Understanding Fundamental terms: Volume, Flow, Pressures, Resistance and Compliance	Sameer Jog
09.55 – 10.20	Understanding respiratory failure and basics of mechanical Respiratory support including HFNO, NIV and IMV	Pavan Kumar Reddy N
10.20 – 10.45	How I ventilate Normal Lung	Rajesh Pande
10.45 – 11.10	Clinical implications of heart lung interactions with examples	Pradip Kumar Bhattacharya
11.10 – 11.35	Patient ventilator asynchronies	Prashant Walse
11.35 -11.55	<b>Tea Break</b>	
	<b>Workstation 1</b>	
11.55 – 12.40	Initial Settings for Basic Patient Profiles: Normal Lung and Airways, Reduced compliance, Increased airway resistance	Sameer Jog Prashant Walse
12.40 – 13.30	<b>Lunch Break</b>	
13.30 – 15.45	<b>Workstations</b>	
	<b>Workstation 2</b>	
	Understanding the Screen – Display, Graphics, Numerical	Marcus Schultz Rajesh Pande Shyam Sundar P
	<b>Workstation 3</b>	
	NIV CPAP and HFNO	Pavan Kumar Reddy N Visal V
	<b>Workstation 4</b>	
	Ancillary care in a ventilated patient	Natesh Prabu Ajith Gopal
15.45 – 16.30	ARDS Definitions & Clinical implications	Marcus Schultz

### 06th March 2025

Time	Topic	Speaker
09.00 – 09.25	Ventilator associated Lung Injuries	Vijay Mishra
09.25 – 09.50	Introduction to advanced modes	Natesh Prabu
09.50 – 10.15	Driving Pressure and Mechanical Power	Bharat Jagiasi
10.15 – 10.40	How I manage severe hypoxia without ECMO?	Shyam Sundar P
10.40 – 11.05	Everything you wanted to know about Prone Position during ventilation	Sameer Jog
11.05 – 11.20	<b>Tea Break</b>	
11.20 – 12.50	<b>Workstations</b>	
	<b>Workstation 1</b>	
	ASV, TPP & PAV	Natesh Prabu Deepti Rathee Arora
	<b>Workstation 2</b>	
	How I ventilate AECOPD?- NIV to Volume Controlled to Pressure support to NIV	Vijay Mishra Visal V
12.50 – 13.40	<b>Lunch Break</b>	
13.40 – 16.00	<b>Workstations</b>	
	<b>Workstation 3</b>	
	Ventilation in special situations: Cardiogenic shock, Raised ICP and Intraabdominal HT – Case based	Shyam Sundar P Rakesh Nongthombam Ashish Ganjare
	<b>Workstation 4</b>	
	EIT	Sameer Jog Vikas Gupta Ajith K Gopal
	<b>Workstation 5</b>	
	Ultrasound in daily decision making	Pavan Kumar Reddy N Prashant Walse Saurabh Saigal
16.00 – 16.40	Protocols and decision-making in weaning	Karen Burns