



64th National Conference of Indian Academy of Pediatrics

PEDICON 2027 COIMBATORE

Theme: Transforming Young Lives: Digital to Bedside Pediatric Care



January 27th - 31st 2027 | Codissia Trade Fair Complex, Coimbatore, Tamil Nadu

"ESSENTIALS OF PEDIATRIC MECHANICAL VENTILATION"

CASE-BASED INTERACTIVE HANDS-ON WORKSHOP

VENUE: PSG Institute of Medical Sciences and Research.

Date- 27th Jan 2027 | Time- 8:00 am to 5:00 pm

HIGHLIGHTS:

- Integrated, case-based learning covering respiratory mechanics, ventilator initiation, ABG interpretation, and weaning strategies.
- Hands-on workstation training on ventilator setup, modes, alarms, troubleshooting, and airway management.
- Advanced modules on ventilator graphics, disease-specific ventilation, and non-invasive ventilation (NIV).
- Expert-guided discussions to enhance clinical decision-making in real-world PICU scenarios.

WHO CAN ATTEND?

- Practicing Pediatricians and Intensivists
- Postgraduates in Pediatrics
- PICU Fellows / DM residents
- Healthcare professionals involved in pediatric critical care and respiratory management.



WORKSHOP
REGISTRATION FEE
DELEGATE: 2500/-
PG: 2000/-

CO-ORDINATORS:

National Co-ordinator: Dr. Arun Bansal

State Co-ordinator: Dr. Shuba

Local Co-ordinators: Dr. Sangeetha Devi | Dr. Nivetha

FACULTIES: Dr. Arun Bansal | Dr. S. Shuba | Dr. Ramachandran P | Dr. Thangavelu |

Dr. Sheik Minhaj Ahmed | Dr. P. Narayanan | Dr. Nameet Jerath | Dr. Poovazhagi | Dr. Kavitha TK

Dr. Mounika Reddy | Dr. Namita Ravikumar

"ESSENTIALS OF PEDIATRIC MECHANICAL VENTILATION"

CASE-BASED INTERACTIVE HANDS-ON WORKSHOP

SCHEDULE:

Time	Session	Faculty
08:00 am – 08:30 am	Registration	
08:30 am – 08:45 am	Opening the Ventilator Box – Introduction & Scope	Dr Shuba
08:45 am – 09:15 am	Understanding the Pediatric Lung – Respiratory Mechanics	Dr Narayanan
09:15 am – 09.45 am	First Breath Right – Basic Modes & Initial Settings	Dr Arun Bansal
09.45 am - 10.15 am	Care of ventilated patient	Dr Nameet Jerath
10:15 am – 10:45 am	The Art of Liberation – Weaning & Extubation	Dr Sheik Minhaj Ahmed
10:45 am – 11:00 am	Tea Break & Inauguration	
11:00 am - 11.30 am	Troubleshooting on ventilator	Dr Thangavelu
11.30 am - 01.00 pm	Workstations (30 mins Each)	
Workstation 1	Know your Ventilator – Types, Knobology, Circuit assembly, Role of Humidification, aerosol therapy	Dr Shuba Dr Narayanan Dr Ramachandran
Workstation 2	Set It Up Right – Basic modes & initial settings, Alarms & Trouble-shooting	Dr Poovazaghi Dr Sheik Minhaj Ahmed Dr Thangavelu

Workstation 3	Arterial Blood Gas Analysis	Dr Arun Bansal Dr Nameet Jerath Dr Keshava Murthy
1.00pm - 1.45pm	Lunch Break	
1.45pm - 4.45pm	Work stations (45 mins Each)	
Workstation 1	Tailoring Ventilation – Disease Specific	Dr Nameet Jerath Dr Ramachandran Dr Mounika Reddy
Workstation 2	Reading the Waves – Ventilator Graphics	Dr Narayanan Dr Arun Bansal Dr Kavitha TK
Workstation 3	Non-Invasive Ventilation	Dr Poovazhagi Dr Sheikh Minjah Ahmed Dr Keshava Murthy
Workstation 4	Ventilator - Trouble shooting	Dr Thangavelu Dr Shuba Dr Namita Ravikumar
4.45pm - 5.00pm	Ask the Experts – Q&A and Wrap-up	

