



# MONSOON CONFERENCE OF PEDIATRIC INTENSIVE CARE

Organized by

Society of Pediatric Intensive Care Kolkata (SPICK)

In collaboration with IAP Intensive Care Chapter  
and West Bengal Academy of Pediatrics

## Cardiac Hemodynamics and ECMO masterclass

### Workshop Highlights:

- 💡 Learn from experienced pediatric intensivists and cardiologists through simulation and bedside tactics.
- 🩸 Hands-on stations including real ECMO circuits, echo, line setups, and resuscitation drills.
- 🧠 High-yield case capsules and red-flag recognition to empower practical decision-making.
- 🔍 Integrated approach combining heart, hemodynamics, and ECMO for real-life ICU challenges.

📌 **Provision for accredited CME points**

### Target Audience:

1. Pediatricians with interest in critical care
2. Pediatric Intensivists
3. Cardiac Intensivists
4. ICU Fellows/Trainees
5. Pediatric Postgraduate Trainees
6. Nurses.

SOCIETY OF PEDIATRIC



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Workshop Coordinator: Dr Shubhadeep Das

Venue: Narayana Superspeciality Hospital, Howrah

Date: 12<sup>th</sup> July, 2025

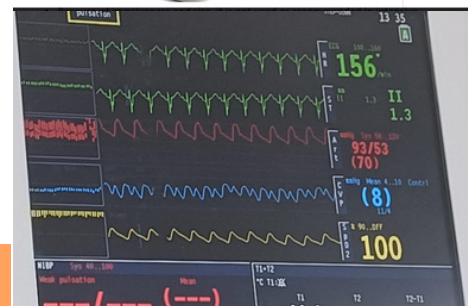
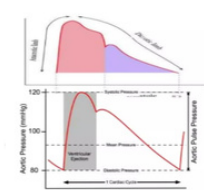
Registration Fees: ₹ 2,500

Website: [www.spickpicu.org](http://www.spickpicu.org)

Email: [spickpicu@gmail.com](mailto:spickpicu@gmail.com)

Call/WhatsApp: 983036723/7003200209

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# WORKSHOP SCHEDULE

8:45 - 9:45	Registration
9:00 - 9:10	Welcome & Inaugural Address

## Session 1: Foundations (Didactic Talks)

9:10 - 9:30	The Cardiopulmonary See-Saw: understanding Preload, Afterload & Ventilation	Dr Ritika Ghosh Dastidar
9:30 - 9:50	Hemodynamics Made Simple: Recognizing and Managing Shock at the Bedside	Dr Satarupa Mukherjee
9:50 - 10:10	Crash Cart to Cannulation: When to Think ECMO in Children – Red flags & referral checklist for pediatricians	Dr Kaushik Maulik
10:10 - 10:30	Inotropes, Vasopressors & Beyond: What, When, How? – Pharmacology in cardiac care	Dr Sananda Mukherjee
10:30 -10:45	Tea Break & Networking	

## Session 2: Interactive Skill Stations 1 (Rotations Begin)

10:45 - 13: 45 (45 min rotations)	Station A – Point-of-Care Echocardiography (Round 1) – Basic views, volume assessment, pericardial effusion, global function	Dr Rishika Mehta Dr Anwesha Mukherjee Dr Satarupa Mukherjee
	Station B – Invasive Line Setup & Hemodynamic Interpretation – CVP, arterial lines, waveform analysis, troubleshooting	Dr Krishanu Mandal Dr Sananda Mukherjee Dr Kaushik Maulik
	Station C – ECMO Circuit Basics – Hands-on with circuit components, priming, alarms, safety drills	Dr Dipanjan Chatterjee Ms Iram Fathema
	Station D – Cardiac Arrest in ICU: High Performance Code Simulation – Role play, CPR coach, team dynamics, real-time feedback	Dr Utpal Brahma Dr Shubhadeep Das
13:45 - 14:10	Lunch Break	

## Session 3: Real-World Challenges & Case Capsules

14:15 - 14:35	Case Capsule 1: Cardiogenic Shock – Hemodynamic Rescue	Dr Krishanu Mandal
14:35 - 14:55	Case Capsule 2: Neonate on ECMO – When to Initiate, When to Wean (One VA and One VV)	Dr Dipanjan Chatterjee

## Session 4: Interactive Skill Stations 2 (Rotations Begin)

15:00 - 16:30 (30 min rotations)	Station A: Ultrasound Guided Vascular Access	Dr Shubhadeep Das Dr Ritika Ghosh Dastidar
	Station B: Point-of-Care Echocardiography (Round 2)– EF, FS, VTi, Doppler	Dr Rishika Mehta Dr Anwesha Mukherjee Dr Satarupa Mukherjee
	Station C: Life threatening arrhythmias in ICU and approach	Dr Kaushik Maulik Dr Sananda Mukherjee Dr Krishanu Mandal
16:30 - 17:00	Ethical challenges in Pediatric Cardiac Intensive Care	Dr Shubhadeep Das
17:00 - 17:15	Closing Remarks, Feedback & Certificate Distribution	