



17th ANNUAL NATIONAL NEONATOLOGY CONFERENCE OF IAP NEONATOLOGY CHAPTER

Advanced Critical Care Monitoring in NICU - WORKSHOP

By Anurag Healthcare/ formerly AIMS.

Date: 12th June 2026, Venue: IMA Hall, Vijayawada.

National Coordinator

Dr Kiran More

Local Coordinator

Dr VNM Rao

Faculty

- Dr Kiran More
- Dr VNM Rao
- Dr Karthik Balsubramanian
- Dr Sanoj Ali
- Dr Saurabh Doifode
- Dr NB Soni
- Dr Ramakrishna
- Dr Karthik Nagesh
- Dr Siddhartha Buddhavarapu



**Conference
Registration is Mandatory**

Bank Details

Account Holder	AIMS for Child Health
Bank Name	Kotak Mahindra Bank
Account Number	1712271825
IFSC Code	KKBK0007627
Branch	Governerpet branch



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For Registrations contact: **Ph: +91 88867 09408 / +91 8008678855**

Workshop will cover following monitors in depth

focused list of only the important monitors (not accessories) required during critical care monitoring for doctors:

- Cardiocography (CTG) monitor
- Mul7-parameter monitor (ECG, SpO₂, BP, temperature)
- Central venous pressure (CVP) monitor
- Intracranial pressure (ICP) monitor
- Near-Infrared Spectroscopy (NIRS) monitor
- EEG monitor • Non-invasive cardiac output monitor (e.g., electrical cardiometry)
- Ultrasound machine (for e-FAST and point-of-care scanning)
- Transport incubator with built-in monitoring
- Transport ventilator with monitoring display



Who Can attend ?

- Trainees
- MD Paediatrics, DCH residents
- Neonatology Fellows
- DNB Students
- DM, DrNB fellows
- Private Practitioners
- Researchers
- Paediatricians
- Neonatologists
- Health Professional
- Nurses
- Others



Pre Conference Workshop

Advanced Critical Care Monitoring in NICU



12th June 2026



IMA Hall, Vijayawada.

Pre-Workshop (online sessions (6th & 7th June 2026))

S. No	Time	Topic	Duration (Including Q&A)	Faculty
PRE-WORKSHOP (ONLINE): 6th June 2026				
1	19:00 - 19:10	Introduction to the Course	10 min	Dr Kiran More / Dr VNM Rao
2	19:10 - 19:30	Foundations of Clinical Monitoring: A Comprehensive Look at basics of monitoring -CRP, Pulses, and Core Temperature Differences"	20 min	Dr Karthik Balsubramanian
3	19:30- 20:00	Multimodal assessments of systemic blood flow in infants	30min (Q&A 5 mins)	Dr Kiran More
4	20:00 - 20:30	"Optimizing Saturation Monitoring in ELBW Infants: Prevention of ROP Through Oxygen Control" (OSI, Saturation targeting, Trend monitoring Automated FiO2 Control)	25 min (Q&A 5 mins)	Dr Sanoj Ali, Qatar
5	21:00 - 21:30	"Ensuring Safety During Neonatal Transport: Key Monitoring Strategies"	25 min (Q&A 5 mins)	Dr Saurabh Doifode
PRE-WORKSHOP (ONLINE): 7th June 2026				
6	19:00 - 19:30	"Predictive Analytics in Neonatal Monitoring: HERO, COMET, and the Future of AI-Driven Vitals Tracking"	25 min (Q&A 5 mins)	Dr NB Soni, Qatar
7	20:00 - 20:50	"NIRS Monitoring: Techniques and Clinical Interpretation in Neonatal Care"	40 min (Q&A 10 mins)	Dr Ramakrishna
8	20:50 - 21:15	"Non-Invasive Cardiac Output Monitoring: Innovations for Newborns and Pediatrics"	25 min (Q&A 5 mins)	Dr Kiran More, Mumbai, India
9	21:15 - 22:00	"Cutting-Edge Advances in Neonatal Neurocritical Care Monitoring"	40 min (Q&A 10 mins)	Dr Siddhartha Buddhavarapu, Chennai, India
10	22:00 - 22:30	"The Evolution of Telemonitoring in Neonatal Care: Current Status and Future Directions"	30 min (Q&A 10 mins)	Dr Karthik Nagesh

Pre Conference Workshop

Advanced Critical Care Monitoring in NICU

 12th June 2026  IMA Hall, Vijayawada.

AGENDA

Workshop (offline sessions (12th June 2026))

Time	Topic
8.30-8.40 AM	Opening Remarks ,Welcome , Introduction to faculties.
8.40-9.10 AM	Essential Tools in Critical Care: A Review of Basic and Advanced Monitoring Devices
9.10-9.30 AM	Pulse Oximetry and Oxygen Saturation Index (OSI): Enhancing Accuracy in Neonatal Monitoring
9.30-9.50 am	Blood Pressure Monitoring in Pediatrics: Interpreting Normogram and Trend Analysis
09.50-10.20 am	Mastering Pressure Monitoring: Central Venous, Intracranial, Techniques in neonatal and Pediatric Critical Care.
10.20-10.40 am	Innovative Monitoring: Non-Invasive Cardiac Output (ICON) & NIRS in Critical Care.
10.40-11.00 am	Tea Break
11.00 am -1.00 pm	Workstation 1-4 in Rotation (30 mins Each)
1.00-1.45 pm	Lunch Break
1.45 -3.45 pm	Workstation 5-8 in Rotation (30 mins Each)
3.45-4.00 pm	Break
4.00-5.00 pm	Case-Based Discussions in Neonatal and Pediatric Critical Care
5.00-5.30 pm	Quiz on Critical Care Monitoring Valedictory

WORKSTATIONS

WORKSTATION	NAME	OBJECTIVES
Workstation 1	Monitoring During Labor and Delivery Room	<ol style="list-style-type: none">1. Interpret cardiocography (CTG).2. Monitor maternal vitals and their impact on fetal outcomes.3. Manage high-risk deliveries with appropriate monitoring.
Workstation 2	Multipara Monitor	<ol style="list-style-type: none">1. Identify key parameters (ECG, SpO2, temperature, BP).2. Set appropriate alarms and troubleshoot issues.
Workstation 3	CVP, IBP; Intra-Abdominal Pressure, and ICP Monitoring	<ol style="list-style-type: none">1. Demonstrate accurate measurement techniques.2. Correlate findings with clinical conditions.
Workstation 4	e-FAST Protocol in the ER	<ol style="list-style-type: none">1. Perform systematic scans (RUQ, LUQ, pelvis, heart, lungs).2. Identify and differentiate pathologies.
Workstation 5	NIRS Monitor and Applications.	<ol style="list-style-type: none">1. Set up and interpret NIRS monitoring.2. Correlate values with clinical interventions.
Workstation 6	Neurocritical Care Monitoring	<ol style="list-style-type: none">1. Understand basic EEG waveforms and seizure detection.2. Monitor and manage ICP in neonates.
Workstation 7	Non-Invasive Cardiac Output Monitoring Techniques	<ol style="list-style-type: none">1. Use non-invasive devices for cardiac output estimation.2. Correlate output measurements with clinical conditions
Workstation 8	Transport Incubator	<ol style="list-style-type: none">1. Demonstrate setup and operation of transport equipment.2. Ensure patient safety during transport.