



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

PEDIATRIC & NEONATAL POINT OF CARE ULTRASOUND (POCUS) WORKSHOP

VENUE: KMCH Institute of Health Sciences & Research, Coimbatore
Date- 27th Jan 2027 | Time- 8.00am to 05.20pm

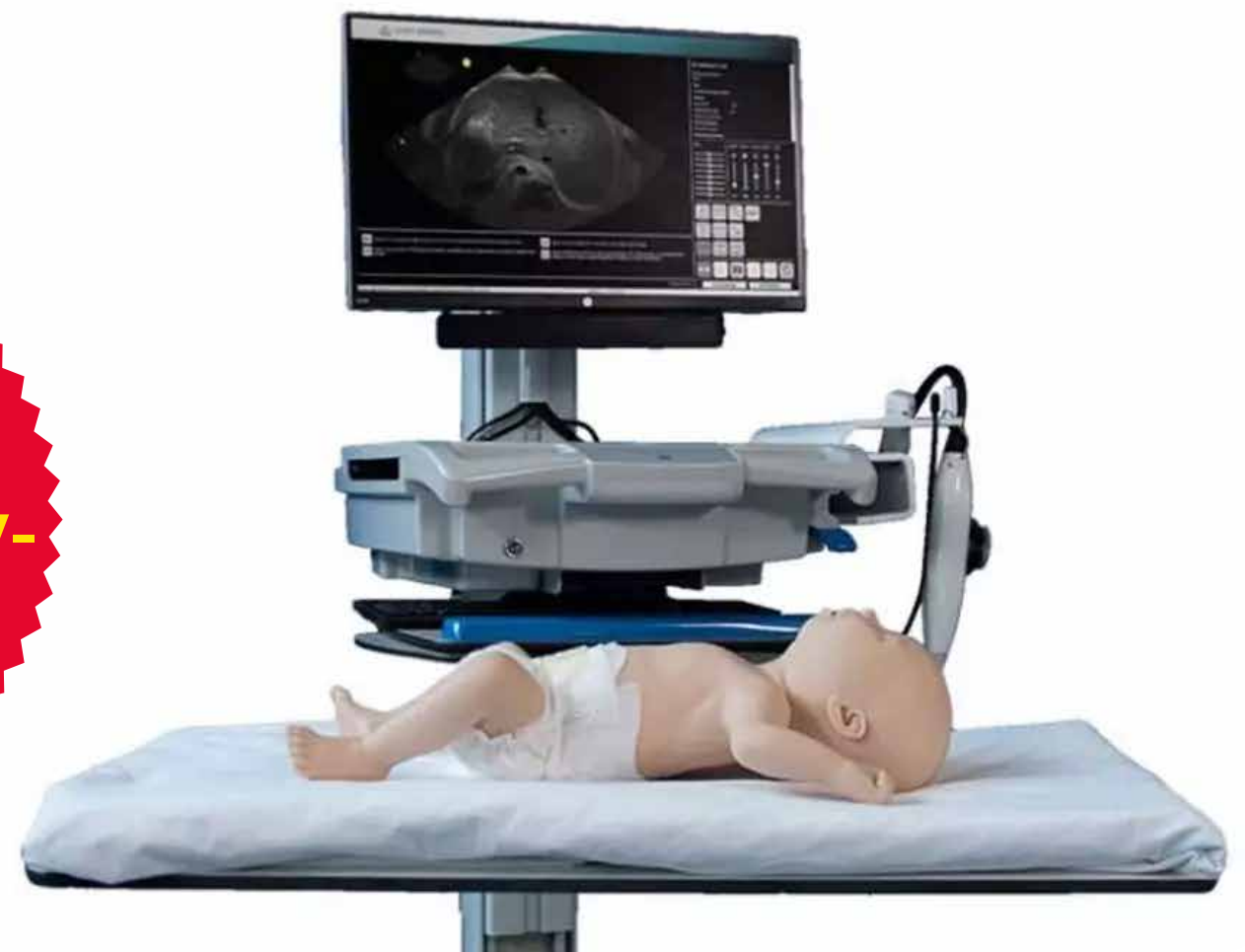
HIGHLIGHTS:

- One month video series- Theory + Anatomy + Knobology
- Hands-on practice stations
- Led by experienced faculties from across the country
- Interactive case based discussion on POCUS

WHO CAN ATTEND?

- Pediatricians from ER/ PICU/NICU
- Pediatric post graduates
- Practising paediatricians
- Practising Pediatricians, Neonatologists

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



CO-ORDINATORS:

National Co-ordinator: Dr. Dhiren Gupta

State Co-ordinator: Dr. Rajakumar PS

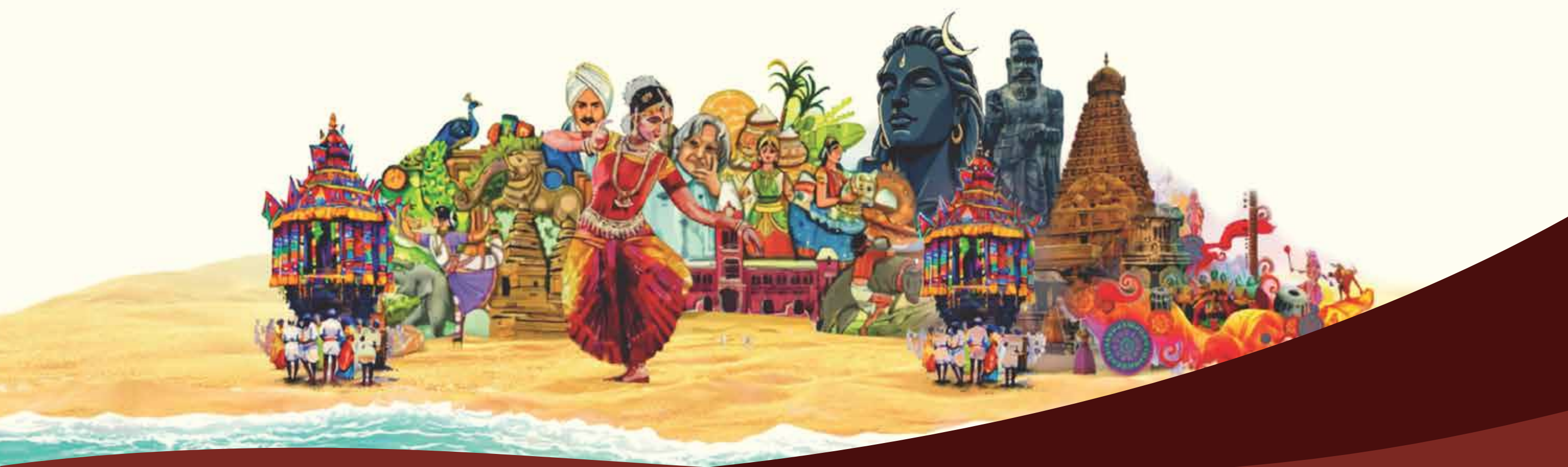
Local Coordinators: Dr. Sivanandam S | Dr. Prabhu Vikash R

FACULTIES: Dr. Dhiren Gupta | Dr. Rajakumar PS | Dr. Umamaheswari B | Dr. Senthil Kumar S | Dr. Swathi Rao |
Dr. Sivakumar P | Dr. Ananya Kavilapurapu | Dr. Muthu Chidambaram N | Dr. Karthik Arigela | Dr. Sudhakar |
Dr. Sivanandam S | Dr. Prabhu Vikash R

PEDIATRIC & NEONATAL POINT OF CARE ULTRASOUND (POCUS) WORKSHOP

TIMELINE + PRE-WORKSHOP VIDEO CURRICULUM				
T-4 WEEKS	T-3 WEEKS	T-2 WEEKS	T-1 WEEK	T-3 DAYS
Foundation videos USG basics, physics, probes, knobology, machine demonstration, image saving and hygiene	Brain POCUS Radiological anatomy, neonatal cranial USG, ONSD, TCD and common pitfalls.	Cardiac + Lung POCUS, Radiological anatomy Echo views, PDA/PPHN, shock, lung signs, airway, diaphragm and pleural decisions.	Abdomen + Doppler eFAST, renal/gut, vascular access, line confirmation, hepatic/portal/renal Doppler and VExUS. Radiological anatomy	Readiness check Online image quiz, MCQ pre-test and station group allocation.

Delegate instruction: complete videos before the conference. Workshop time will be used for image acquisition, probe movement, Doppler alignment and clinical decision-making.



SCHEDULE:

TIME	SESSION	FOCUS
08:00am - 08:20am	Registration + pre-course check	Video completion, quiz record, group allocation
08:20am - 08:35am	Opening briefing	Objectives, probe hygiene, safety, documentation
08:35am - 09:00am	Mini lecture 1	POCUS workflow in newborn and child
09:00am - 10:30am	Hands-on Rotation A	Brain/ONSD/TCD Lung/Airway Knobology + vascular access
10:30am - 10:50am	Tea break	Faculty station reset
10:50am - 12:30pm	Hands-on Rotation B	Functional echo Abdomen/eFAST/renal/gut Doppler/VExUS/portal flow
12:30pm - 13:00pm	Skill check 1	Each delegate saves supervised images
13:00pm - 13:45pm	Lunch	Faculty image review
13:45pm - 14:15pm	Cases interactive	Functional echo in shock and newborn circulation
14:15pm - 14:45pm	Cases interactive	Lung POCUS, airway and pleural decisions
14:45pm - 15:15pm	Cases interactive	Brain POCUS, abdomen and VExUS integration
15:15pm - 15:30pm	Break	Case setup
15:30pm - 16:30pm	Quiz	Neonate with PPHN Child with ARDS Raised ICP Fluid overload
17:00pm - 17:20pm	Feedback + certificates	Closing remarks

STATION	PRACTICE SKILL	NEWBORN USE	PEDIATRIC USE
Brain	Cranial window, ONSD, TCD orientation	Ventricles, hemorrhage screen	Raised ICP clues, TCD orientation
Cardiac	PLAX/PSAX/apical/subcostal, LV/RV function	PDA, PPHN, function	Shock phenotype, fluid response
Lung/Airway	Sliding, B-lines, consolidation, effusion, diaphragm, ETT	RDS/TTN/PPHN patterns	Pneumonia, effusion, pneumothorax
Abdomen/Renal/Gut	eFAST, renal, bladder, bowel landmarks	NEC screen, free fluid	Acute abdomen, hydronephrosis
Vascular/Procedures	In-plane/out-of-plane needle tracking	Tiny vessel approach	CVC, arterial, peripheral access
Doppler/VExUS	Color/PW Doppler, hepatic/portal/renal veins	Fluid overload assessment	Shock, AKI, venous congestion

