



# 2<sup>ND</sup>

## INTERNATIONAL PAEDIATRIC HEMODYNAMICS AND POCUS CONFERENCE

ENHANCING SKILLS  
IN  
ECHOCARDIOGRAPHY  
AND POCUS FOR  
EFFECTIVE PATIENT  
MANAGEMENT



*Save the Date!*

DUBAI

Dusit Thani Hotel Dubai

21<sup>st</sup> - 22<sup>nd</sup>  
NOVEMBER  
2025

*Key Features:*

NEONATAL HEMODYNAMICS  
POCUS IN PAEDIATRICS AND NEONATOLOGY  
NEURO-HEMODYNAMICS  
ABSTRACT PRESENTATIONS  
HANDS-ON WORKSHOPS ON ECHOCARDIOGRAPHY AND POCUS  
TRAINING ON HIGH FIDELITY BABY WORKS SIMULATOR



**Abstract  
Submission**



# 2<sup>ND</sup>



## INTERNATIONAL PAEDIATRIC HEMODYNAMICS AND POCUS CONFERENCE

# WELCOME

### Message



ENHANCING SKILLS  
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ECHOCARDIOGRAPHY  
AND POCUS FOR  
EFFECTIVE PATIENT  
MANAGEMENT

Attendees, Guests, and Colleagues,

Greetings!

As the organizing committee of the International Paediatric Hemodynamics and POCUS Conference, we are thrilled to announce our 2<sup>nd</sup> Conference in Dubai, from 21<sup>st</sup>- 22<sup>nd</sup> of November 2025!

Following the success of our 1<sup>st</sup> conference in 2024, the event has evolved into a highly acclaimed international platform for clinicians in paediatrics and neonatology. We look forward to you joining us in exploring updates on hemodynamics and POCUS with leading clinicians and doctors from across the world through insightful presentations, interactive discussions, Q&A sessions, and hands-on workshops.

The conference will consist of scientific lectures by keynote speakers, followed by top-quality workshops on functional echocardiography and POCUS techniques (cranial, lung, line position ultrasound), using a high-fidelity Baby Works simulator.

### Dr. Roopali Soni

Conference Chairperson  
MBBS, FRCPCH, MSc  
Child Health(UK), CCT - Paediatrics and Neonatology  
Associate Professor MBRU  
Consultant Neonatologist  
Mediclinic Parkview Hospital, Dubai



### Dr. Monika Kaushal

Conference Co- chairperson  
MD, DM, Diploma UK, FRCPCH, FNNF  
Vice President EPNS  
Consultant Neonatologist, Consultant Pediatrician  
Head of Department, Medical Director Emirates Specialty Hospital, DHCC



SAVE  
The Date



Organizing Committee

## LOCAL ORGANIZING COMMITTEE



**Dr. Roopali Soni**

Conference Chairperson  
MBBS, FRCPCH, MSC  
Child Health(UK), CCT - Paediatrics and Neonatology  
Associate Professor MBRU  
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Vice President EPNS  
Consultant Neonatologist, Consultant Pediatrician  
Head of Department, Medical Director  
Emirates Specialty Hospital, DHCC



**Dr. Rajesh Sharma**

MD, FRCPCH,  
CCT- Neonatal Medicine  
Consultant Neonatologist  
Corniche Hospital,  
Abu Dhabi, UAE

## INTERNATIONAL ORGANIZING COMMITTEE



**Prof. Patrick J. McNamara**

MB, BCH, BAO, DCH,  
MSc (Paeds), MRCP, MRCPCH  
Professor of Pediatrics-Neonatology  
University of Iowa  
Stead Family Children's Hospital, USA



**Prof. Daniele De Luca**

Full Professor of Neonatology  
Paris Saclay University  
NICU Chief APHP  
"Béclère" Hospital



**Dr. Kiran More**

MD, FRACP, AFRACMA Division Chief, Neonatology  
MRR Children's Hospital, Mumbai, India  
Former Consultant Sidra Medicine,  
Qatar and Christchurch Hospital, New Zealand  
TNECHO Fellowship, Sick Kids, Canada



**Prof. Yogen Singh**

MD, MA (Cantab), FASE, FRCPCH  
Professor of Pediatrics - Neonatology Division,  
University of California Davis, USA  
Director, POCUS, TNE and Hemodynamics,  
UC Davis Children's Hospital



**Dr. Mohit Sahni**

Chief Neonatologist  
Surat Kids Hospital, Surat, India  
MBBS, DCH, DNB (PEDS)  
Fellowship in Neonatal  
Perinatal Medicine  
Fellowship TnECHO CCPU

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# INTERNATIONAL PAEDIATRIC HEMODYNAMICS AND FOCUS CONFERENCE

## Lectures and Case Discussions

8:30 AM – 6:00 PM

8:20 – 8:30 AM | **Welcome address**  
"Advancing Neonatal Hemodynamics: A Vision for the Future"  
Dr. Roopali Soni, Dr. Monika Kaushal

### Session 1: Patent Ductus Arteriosus (PDA)

8:30 – 9:30 AM | **The PDA Puzzle: Evidence Based Decisions in Premature Hearts\***

**Speakers** Prof. Samir Gupta, Prof. Patrick J. Mcnamara, Prof. Yogen Singh

**Moderators** Dr. Sohrab N Tomaraei, Dr. Rafia Oweru

- Understanding PDA physiology – 20 minutes
- To treat or not to treat- 20 minutes
- The resistant ductus and device closure- 20 minutes

### Session 2: Persistent Pulmonary Hypertension of the Newborn (PPHN)

9:30 – 10:30 AM | **"Decoding PPHN: From Pulmonary Vasodilators to ECMO"**

**Speakers** Prof. Satyan Lakshminrusimha, Dr. Kiran More, Dr. Naharmal Soni

**Moderators** Prof. Eslam El Baroudy, Dr. Faisal Al-Zidgali

- The hemodynamics of PPHN - 20 minutes
- PPHN in the baby with LV dysfunction- 20 minutes
- Management of severe PPHN crisis- 20 minutes

10:30 – 11:00 AM | **Tea Break and inauguration - Inauguration ceremony**

### Session 3: NICU and PICU Perspectives in Inotropes and Vasoactive Drugs

11:00 – 12:15 PM | **Dynamic Interventions: Tailoring Inotropes in Neonates**

**Speakers** Dr. Mohit Sahni, Dr. Rangasamy Ramanathan, Dr. Naga Kishore Puppala

**Moderators** Dr. Agata Moscicka, Dr. Zahreddin Abusalah

- Choosing the right inotrope: NICU perspective- 35 minutes
- 2 case studies
- Choosing the right inotrope: PICU perspective-35 minutes
- 2 case studies

12:15 – 1:30 PM | **Prayer and Lunch Break**  
**Poster evaluation**  
Dr. Ahmed Adel Hassan, Dr. Naharmal Soni, Prof. Yogen Singh



NO 2

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## Session 4: Point-of-Care Ultrasound (POCUS)

1:30 - 2:45 PM	<b>Precision at the Bedside: Transforming Neonatal Care with POCUS</b>
Speakers	Prof. Daniel De Luca, Dr. Alok Sharma Dr. Rajesh Sharma
Moderators	Dr. Shiva Shankar, Dr. Hesham Tawakol, Dr. Diary Abdulrahman Mohammad
	<ul style="list-style-type: none"><li>- Echoes of the lung: Lung USS - 20 minutes</li><li>- SAFE-R protocol: Using POCUS in the crashing neonate – 30 minutes</li><li>- Navigating line placement with US - 15 minutes</li></ul>
2:45 - 3:30 PM	<b>Sponsor talks</b>

## Session 5: Neuro Hemodynamics and NIRS

3:30 – 4:30 PM	<b>"Cerebral Circulation Under the Lens"</b>
Speakers	Dr. Valerie Chock , Dr. Roopali Soni, Dr. Monika Kaushal
Moderators	Dr. Rola Ahmad AlZir, Dr. Sherif Mohamed Mosaad Kamel
	<ul style="list-style-type: none"><li>- Insights from NIRS Monitoring- 20 minutes</li><li>- Hemodynamics insights in HIE - 20 minutes</li><li>- Hemodynamics shifts in IVH and post hemorrhagic hydrocephalus -20 minutes</li></ul>
4:45 – 5:00 PM	<b>Tea Break</b>

## Session 6: Congenital Heart Disease Recognition and Stabilization

5:00 - 5:30 PM	<b>"First Encounters: Stabilizing Critical Congenital Heart Defects in Neonates"</b>
Speakers	Dr. Mohamed Sulaiman
Moderators	Dr. Hussein Naji, Dr. Anil Kopuri
	<ul style="list-style-type: none"><li>- The neonate with Critical CHD</li></ul>

## Debate and deliberation

5:30 - 6:15 PM	<b>"Pressure points: debating the pulse of hemodynamics"</b>
Speakers	Prof. Samir Gupta, Prof. Yogen Singh, Dr. Ahmed Adel Hassan, Dr. Laila Obaid
Moderators	Dr. Kiran More, Dr. Mohit Sanhi
6:15 – 6:30 PM	<b>Closing remarks Day 1 &amp; poster prize distribution</b>





## INTERNATIONAL PAEDIATRIC HEMODYNAMICS AND POCUS CONFERENCE

### Intensive Hands-On Echo and POCUS Workshops

8:30 AM – 5:30 PM

**8:30 – 10:30 AM | Workshop**

- Workshop introduction and plan - 5 minutes
- Basics of ultrasound & knobology - 45 minutes
- Basic ECHO views for neonatologist - 60 minutes

**10:30 – 11:00 AM | Tea Break**

**11:00 – 1:00 PM | Parallel workshops - Basic and Advanced**

#### Basic Echo & POCUS

- Basic & common ECHO indices of PDA / PPHN & shock
- Normal anatomy & views in Head ultrasound
- Basic Indices to identify IVH & Hydrocephalous
- Normal views and major pathologies in Lung ultrasound

#### Advanced Echo

- Common congenital heart diseases & chamber identification
- ECHO indices of PDA
- ECHO indices of PPHN
- ECHO indices of Shock

**1:00 – 1:40 PM | Lunch Break**

**1:40 – 5:00 PM | Hands-on parallel workshops- Basic and Advanced**

#### Basic Echo & POCUS

Physical hands-on stations (Rotation)  
ECHO views, HUS, LUS-3 stations

#### Advanced Echo

Physical hands-on stations (Rotation)  
Advanced Echo- 3 stations (congenital heart diseases / PDA/PPHN/Shock)

**5:00 PM | Short Tea Break**

**5:00 – 5:30 PM | Case reviews and feedback – Basic and Advanced**

### Workshops Faculty

Prof. Samir Gupta  
Prof. Yogen Singh  
Prof. Daniel De Luca  
Dr. Kiran More  
Dr. Mohit Sahni  
Dr. Naharmal Soni  
Dr. Rangasamy Ramanathan

Dr. Ahmed Adel Hassan  
Dr. Alok Sharma  
Dr. Rajesh Sharma  
Dr. Prashant Bhatt  
Dr. Roopali Soni  
Dr. Monika Kaushal

Closing remarks Day 2



# 2<sup>ND</sup>

## INTERNATIONAL PAEDIATRIC HEMODYNAMICS AND POCUS CONFERENCE

### REGISTRATION

#### Early Bird Rate

VAT Exclusive 5%

**1 Day Conference Only: USD 75**  
(Zoom Option for Overseas Attendees Only)

[CLICK HERE TO REGISTER »](#)

**2 Days Conference + Workshop : USD 250**  
(Physical Attendance Only)

[CLICK HERE TO REGISTER »](#)

**Early Bird Deadline 1<sup>st</sup> September 2025**

### REGISTRATION

#### Regular Rate

VAT Exclusive 5%

**1 Day Conference Only: USD 100**  
(Zoom Option for Overseas Attendees Only)

[CLICK HERE TO REGISTER »](#)

**2 Days Conference + Workshop : USD 300**  
(Physical Attendance Only)

[CLICK HERE TO REGISTER »](#)

### IMPORTANT NOTES

- On Day 2, kindly select one work shop from below options:
  1. **Basic Echo and POCUS workshop** : Basic Echocardiography , Cranial US, Lung US.
  2. **Advanced Echo Workshop**: PDA , PPHN and shock indices.
- Candidates are encouraged to book early due to limited spaces in each workshop. as workshop capacity is 50 attendees Only.
- Interchanging of workshops will not be possible.
- **Abstract presentation**: Candidates are invited to submit abstracts for poster presentation on their research work or case study related to neonatal hemodynamics and POCUS. 10 of the best abstracts will be invited to present their posters at the conference.