

# NeoCard-UK 2024

Neonatal Cardiology & Haemodynamics Conference, United Kingdom

**Monday 23<sup>rd</sup> – Tuesday 24<sup>th</sup> September 2024**

The Edgbaston Park Hotel, 53 Edgbaston Park Road,  
Birmingham B15 2RS and Online



**Conference Director:** Professor Samir Gupta

**Learning Objectives:** To review neonatal haemodynamic and perinatal cardiology topics and provide updates from recent publications and research to guide cardiovascular management. The conference includes lectures and interactive discussions and invites attendees to share best practice via both the online networking hub and live networking opportunities.

**Aimed at:** NeoCard-UK is aimed at neonatologists, paediatricians, paediatric cardiologists, paediatric intensivists, advanced neonatal nurse practitioners and neonatal nurses.

## Day 1 Monday 23<sup>rd</sup> September

08:00 – 08:50

**Registration**

08:50 – 09:00

**Welcome & Introduction - Professor Samir Gupta**

### Session 1 - Chair - Professor Samir Gupta

09:00 - 09:25

The transitional circulation in infants with CCHD: A Cardiologist perspective - *Dr Caroline Jones*

09:25 - 09:50

Haemodynamic management of severely growth retarded infant - *Professor Willem de Boode*

09:50 - 10:15

There is a family history of an inherited cardiac condition - what investigations are appropriate in the neonatal period? - *Dr Bernadette Khodaghalian*

10:15 - 10:45

Debate: Inotropes should be used as per standard unit policy - *Dr Aisling Smith (For) & Professor Yogen Singh (Against)*

10:45 - 11:00

Panel discussion

11:00 – 11:15

Refreshment Break and Networking

### Session 2 - Chair - Dr David Crossland

11:15 - 11:40

POCUS vs NPE: Framework for practice - *Professor Yogen Singh*

11:40 - 12:05

Physiology based management of Neonatal Shock - *Professor Samir Gupta*

12:05 - 12:30

Current evidence for using NIRS to guide haemodynamic management - *Dr Tomasz Szczapa*

12:30 - 13:00

Debate: You can't run a neonatal unit without 24/7 echo cover - *Dr Phani Kiran Yajamanyam (For) & Dr Jayanta Banerjee (Against)*

13:00 - 13:15

Panel discussion

13:15 – 14:00 Lunch Break and Networking

### Session 3: Controversies (15 min each) - Chair - Dr Majd Abu-Harb

14:00 - 14:15

Low platelet count – Where to draw the line? - *Dr Jayanta Banerjee*

14:15 - 14:30

Should Sodium bicarbonate be used on neonatal intensive care unit? - *Dr Nandiran Ratnavel*

14:30 - 14:45

Is Cath closure of PDA safe in babies below 1000g? - *Dr Chetan Mehta*

14:45 - 15:00

Evidence for Fluid resuscitation of infants with septic shock - *Dr Sundaram Janakiraman*

15:00 - 15:15

Enoxaparin use for Intravascular thrombosis - *Dr Phani Kiran Yajamanyam*

15:15 - 15:30

Artificial intelligence in Haemodynamic monitoring - *Dr Tomasz Szczapa*

15:30 - 15:45

Panel discussion

15:45 – 16:00

Refreshment Break and Networking

### Session 4 – Case based Discussion Neonatal Haemodynamics - Chair - Professor Samir Gupta

16:00 - 17:00

How bedside functional echo helped clinical management on the NICU - *Professor Yogen Singh & Professor Afif El-Khuffash*

17:00 - 17:05

Thanks & Close - Professor Samir Gupta

For more information and to register, visit:

[www.neonatalcardiology.co.uk](http://www.neonatalcardiology.co.uk)

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## Day 2 Tuesday 24<sup>th</sup> September

**08:00 – 08:25**

**Registration**

**08:25 – 08:30**

**Introduction to Day Two - Professor Samir Gupta**

### **Session 5 - Chair - Dr Nim Subhedar**

08:30 - 08:55

Antenatal detection and counselling of parents with fetal CCHD - *Dr Caroline Jones*

08:55 - 09:20

Exit management of Critical Congenital Heart Disease - *Dr David Crossland*

09:20 - 09:45

When right ventricle goes wrong in pulmonary hypertension - *Professor Willem de Boode*

09:45 - 10:15

Debate: Feeds should be stopped during packed cell transfusion - *Dr Sundaram*

*Janakiraman (For) & Professor Afif El-Khuffash (Against)*

10:15 - 10:30

Panel discussion

**10:30 – 10:45**

**Refreshment Break and Networking**

### **Session 6 - Hot topics (15 min each) - Chair - Professor Samir Gupta**

10:45 - 11:00

Management of symptomatic neonates/ infant with tetralogy of Fallot - *Dr David Crossland*

11:00 - 11:15

Universal Early echo haemodynamic screening in micro-preemie - *Dr Aisling Smith*

11:15 - 11:30

Utility of functional echo in managing CDH - *Dr Phani Kiran Yajamanyam*

11:30 - 11:45

Management of pulmonary hypertension in infants with BPD - *Dr Nim Subhedar*

11:45 - 12:00

Updates in management of Neonatal Arrhythmias - *Dr Bernadette Khodaghalian*

12:00 - 12:30

Panel discussion

**12:30 – 13:30**

**Lunch Break and Networking**

### **Session 7 - Chair - Dr David Crossland**

13:30 - 13:55

Do's & Don'ts for transport of infants with complex congenital heart disease - *Dr Nandiran Ratnavel*

13:55 - 14:20

Role of cardiac function assessment in managing PDA - *Professor Afif El-Khuffash*

14:20 - 14:45

Diagnosed Pulmonary vein stenosis in sick preterm infant – Now what to do? - *Dr Chetan Mehta*

14:45 - 15:15

Debate: iNO should not be used in cases of Congenital diaphragmatic hernia - *Dr David Crossland (For) & Dr Nim Subhedar (Against)*

15:15 - 15:30

Panel discussion

**15:30 – 15:45**

**Refreshment Break and Networking**

### **Session 8 – Case based Discussion – Paediatric Cardiology - Chair - Dr Majd Abu-Harb**

15:45 - 16:45

Congenital heart diseases in Newborn: Approach to management - *Dr David Crossland & Dr Caroline Jones*

16:45 – 16:50

Thanks & Close - Professor Samir Gupta

**For more information and to register, visit:**

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## Organising Faculty

### Professor Samir Gupta

Professor of Neonatology,  
Durham University, UK  
and Chair Division of Neonatology,  
Sidra Medicine, Doha, Qatar

### Dr Sundaram Janakiraman

Consultant Neonatologist,  
James Cook University Hospital,  
Middlesbrough, UK

### Professor Patrick McNamara

Professor of Paediatrics,  
University of Iowa Hospitals and Clinics, USA

### Dr Majd Abu-Harb

Consultant Neonatologist,  
Paediatric Cardiologist,  
Sunderland Royal Hospital, UK

### Professor Jonathan Wyllie

Consultant Neonatologist,  
Paediatrician with Expertise in Cardiology,  
James Cook University Hospital,  
Middlesbrough, UK

### Dr Caroline Jones

Consultant Paediatric & Fetal Cardiologist,  
Alder Hey Children's Hospital,  
Liverpool, UK

### Dr David Crossland

Consultant ACHD and Paediatric Cardiologist,  
Freeman Hospital,  
Newcastle upon Tyne, UK

### Dr Nim Subhedar

Consultant Neonatologist,  
Liverpool Women's Hospital, UK

### Professor Willem de Boode

Professor of Neonatology,  
Radboudumc Amalia Children's Hospital,  
The Netherlands

## Speaker Faculty

### Dr Jayanta Banerjee

Consultant Neonatologist,  
Imperial College London, UK

### Dr Sundaram Janakiraman

Consultant Neonatologist, James Cook  
University Hospital, Middlesbrough, UK

### Dr Tomasz Szczapa

Consultant Neonatologist,  
Poznan University of Medical sciences, Poland

### Dr David Crossland

Consultant ACHD and Paediatric Cardiologist,  
Freeman Hospital, Newcastle upon Tyne, UK

### Dr Caroline Jones

Consultant Paediatric & Fetal Cardiologist,  
Alder Hey Children's Hospital, Liverpool, UK

### Professor Yogen Singh

Professor of Paediatrics – Neonatology, UC  
Davis Children's Hospital, Sacramento, US

### Professor Willem de Boode

Professor of Neonatology,  
Radboudumc Amalia Children's Hospital,  
The Netherlands

### Dr Bernadette Khodaghalian

Paediatric Cardiologist with a specialist interest  
in inherited cardiac conditions,  
Alder Hey Children's Hospital, Liverpool, UK

### Dr Aisling Smith

Consultant Neonatologist, The Rotunda  
Hospital, Dublin, Ireland

### Professor Afif EL-Khuffash

Neonatologist and Professor of Paediatrics, The  
Rotunda Hospital, Dublin, Ireland

### Dr Chetan Mehta

Consultant Paediatric Cardiologist  
and Lead Interventional Cardiologist,  
Birmingham Women's and Children's  
NHS Foundation Trust,  
Birmingham, UK

### Dr Nim Subhedar

Consultant Neonatologist, Liverpool Women's  
Hospital, Liverpool, UK

### Professor Samir Gupta

Professor of Neonatology,  
Durham University, UK and Chair Division of  
Neonatology, Sidra Medicine, Doha, Qatar

### Dr Nandiran Ratnavel

Consultant Neonatologist,  
The Royal London Hospital, London, UK

### Dr Phani Kiran Yajamanyam

Attending Neonatologist,  
Sidra Medicine, Doha, Qatar

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conference live, either online or in person (rather than watching the  
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This meeting has been CVS approved.

For more information and to register, visit:

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