NeoCard UK 2018
9th Neonatal Cardiology & Haemodynamics Conference, UK

Pulmonary Hypertension in Newborn Babies

Date:
Monday 10th & Tuesday 11th September 2018

Venue:
Centuria building, School of Health & Social Care, Teesside University, Middlesbrough, TS1 3BX
Conference Information

The **Neonatal Cardiology and Haemodynamics Conference** is an annual international conference held in the North East of England. It is aimed for neonatologists, paediatricians, paediatric cardiologists, paediatric intensivists, advanced neonatal nurse practitioners and neonatal nurses.

The conference includes case based discussions, hot topics and lectures on controversies, ethics, research and evidence based practices given by international experts in the field. The delegates would engage in interactive case based discussion utilising functional echocardiography. The conference will also provide plenty of opportunity for networking and allow sharing of knowledge and practices.

This conference has attracted delegates from United Kingdom and rest of the world including Europe, Middle East, South America and Asia in the past.

Organising Faculty

**Professor Samir Gupta**
Conference Director
Durham University UK & Sidra Medicine, Doha, Qatar

**Dr David Crossland**
Paediatric Cardiologist, Newcastle, UK

**Dr Majd Abu-Harb**
Neonatologist, Sunderland, UK

**Professor Jonathan Wyllie**
Neonatologist, UK

**Professor Sunil Sinha**
Middlesbrough, UK
## Conference Speakers

<table>
<thead>
<tr>
<th>Name</th>
<th>Title/Position</th>
<th>Location</th>
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<tbody>
<tr>
<td>Professor Steven M Donn</td>
<td>Professor of Neonatology</td>
<td>Ann Arbor, Michigan, USA</td>
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<td>Professor Helmut Hummler</td>
<td>Professor of Neonatology</td>
<td>Doha, Qatar</td>
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<td>Professor Max Vento</td>
<td>Professor of Neonatology</td>
<td>Valencia, Spain</td>
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<td>Professor Amish Jain</td>
<td>Associate Professor</td>
<td>University of Toronto, Canada</td>
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<td>Professor Afif El Khuffash</td>
<td>Professor of Neonatology</td>
<td>Dublin, Ireland</td>
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<td>Dr Milind Chaudhary</td>
<td>Consultant Paediatric Cardiologist</td>
<td>Birmingham, UK</td>
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<td>Dr David Crossland</td>
<td>Consultant Paediatric Cardiologist</td>
<td>Newcastle upon Tyne, UK</td>
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<td>Dr Nim Subhedar</td>
<td>Consultant Neonatalogist</td>
<td>Liverpool, UK</td>
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<td>Dr Neil Patel</td>
<td>Consultant Neonatalogist</td>
<td>Glasgow, Scotland, UK</td>
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<td>Dr Shahin Moledina</td>
<td>Consultant Paediatric Consultant</td>
<td>Great Ormond Street, London, UK</td>
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<td>Dr Judit Llevadias</td>
<td>Consultant Paediatric Cardiac Intensive Care</td>
<td>Newcastle upon Tyne, UK</td>
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<td>Dr James Tooley</td>
<td>Consultant Neonatalogist</td>
<td>Bristol, UK</td>
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<td>Dr Vishna Rasiah</td>
<td>Consultant Neonatalogist</td>
<td>Birmingham, UK</td>
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<td>Ms Anna Johnson</td>
<td>Senior Echo cardiographer</td>
<td>Freeman Hospital, Newcastle upon Tyne, UK</td>
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<tr>
<td>Professor Jan Mazela</td>
<td>Professor of Neonatology</td>
<td>Poznan, Poland</td>
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Day 1 - Monday 10th September 2018

08.00 Registration and coffee
08.25 Welcome & introductions (Samir Gupta)
08.30 Session 1: Pulmonary Hypertension introduction and basics
  • Historical evolution of pulmonary hypertension (Steve Donn)
  • ‘Back to basics: The interplay between pressure, resistance and flow’ (David Crossland)
  • Pulmonary hypertension and oxidative stress: where is the link? (Max Vento)
  • The role of the ductus arteriosus in pulmonary hypertension (Afif El-Khuffash)
  • Discussion

10.30 Mid morning coffee
11.00 Session 2: Diagnosis of pulmonary hypertension
  • Clinical diagnosis of pulmonary hypertension and use of bedside modalities (David Crossland)
  • Echocardiographic assessment of right ventricular and pulmonary artery pressure, resistance and flow (Anna Johnson)
  • Exclusion of congenital heart disease in patients with high right sided pressures (Milind Chaudry)
  • Limitations of echocardiography in the diagnosis and management of neonatal pulmonary hypertension (Afif El Khuffash)
  • Discussion

13.00 Lunch
14.00 Session 3: Pulmonary hypertension and pharmacotherapy
  • Inhaled nitric oxide in babies with hypoxaemic respiratory failure and PPHN (Nim Subhedar)
  • Chronic pulmonary hypertension - what is it and will it go away? (Amish Jain)
  • Role of Sildenafil in PPHN - What is the evidence? (Neil Patel)
Advanced therapy for pulmonary hypertension - Anything to transfer to the neonatal unit? (Shahin Moledina)

Discussion

16.00 Afternoon Coffee
16.30 Debate
- The evidence supports active management of very preterm babies with PPROM & PPHN
  ⇒ For: Amish Jain
  ⇒ Against: James Tooley

17.15 NICHe meeting
19.15 Conference Dinner - Jury’s Inn, Fry Street, Middlesbrough

Day 2 - Tuesday 11th September 2018

08.30 Management of pulmonary hypertension
- Pathophysiology & management of pulmonary hypertension in IUGR babies (Helmut Hummler)
- Diagnosis and management of PPHN in babies with diaphragmatic hernia (Neil Patel)
- Controversies in pulmonary hypertension accompanying BPD: to treat or not to treat (Steve Donn)
- Management of pulmonary hypertension in babies cooled for HIE: new insights (Amish Jain)
- Discussion

10.30 Mid morning coffee
11.00 Session 6: Pulmonary hypertension - thinking outside the box
- Refractory pulmonary hypertension - when to consider and how to manage? (Helmut Hummler)
- Management of pulmonary hypertension in babies with cardiac dysfunction (Milind Chaudhary)
• Role of ECMO in babies with PPHN: practical tips for neonatologist (Judit Llevadias)
• Discussion

12.30  Lunch

13.15  Potpourri
• International classification of neonatal pulmonary hypertension (Vishna Rasiah)
• Approach to the respiratory management of a baby with PPHN - Jan Mazela
• Transporting a baby with pulmonary hypertension: from basics to recent advances (James Tooley)
• Outcome of babies with pulmonary hypertension in 21st century (Nim Subhedar)
• Discussion

15.15  Case presentations and reflective learning (4 cases)
• Afif El-Khuffash, Vishna Rasiah, Amish Jain, Neil Patel

16.45  Thanks and close

Registration fees

All registrations are taken on a first come first serve basis and we recommend early registration to avoid disappointment. Fees are as follows:

Registrations before 31st July £250 (2 days)
Registrations after 31st July £300 (2 days)
Trainees & Nurses £200 (2 days)
Any one day £175

A conference dinner is being held at Jury’s Inn on Monday 10th September 2018, this is included in the price but you must sign up to attend when completing your application form.

Closing date: When the event becomes fully booked or 2 weeks prior to the event or whenever fully booked
Applications

Please complete and return the attached application form, alternatively download the form from:

www.neonatalcardiology.co.uk

For any other queries, please contact the events team on:

Email: nicky.robinson@nhs.net or Telephone: 01642 282534

Conference facilitators:
Sundaram Janakiraman, Sajeev Job & Prashant Mallya

Recommended Hotels and transfers

In the first instance we would recommend the Jury’s Inn, Fry Street, Middlesbrough, TS1 1JH

Tel: +44 (0)1642 232000, Fax: +44(0)1642 232655

Website: [jurysinns.com](http://jurysinns.com) (full travel information can also be found through this link)

A discounted rate of £89 B&B (for sole occupancy) has been negotiated and is accessible via promotional code JCUH2017 on their website or by contacting the hotel direct quoting that code.

Transport is provided to and from this hotel and is also the venue of the conference dinner.

Alternative hotels are available within central Middlesbrough, please look at [www.premierinn.com](http://www.premierinn.com) or [www.travelodge.co.uk](http://www.travelodge.co.uk).

You may still take the transport from alternative hotels as long as you are able to make the pick up point from Jury’s Inn.
Travelling information

By car
Middlesbrough is linked to the national road network by the A1(M), the A19 and the A66 dual carriageways. Follow signs to the town centre - the University is signposted from there.

By train
Middlesbrough is 30 minutes from Darlington Station which operates direct services to London and Edinburgh. The TransPennine Express runs between Middlesbrough and Newcastle, York, Leeds, Manchester, Manchester Airport and Liverpool.