

NeoHeart EUROPE 2026

BRIDGING DISCIPLINES, ADVANCING NEONATAL CARDIAC CARE

LONDON, UK



Wednesday 8 July
9am - 5pm (BST)



BMA House,
London, UK

08:30 - 09:00 Registration

Delegates to attend one morning workshop (selected in advance of the day on a first come, first served basis)

09:00 - 12:30

Morning Workshop 1:
Groove is in the Heart:
Immersive Anatomy Lab

**Cardiac morphology
in Virtual Reality (VR)**

Explore the heart from within – combining morphology, AI, and VR to turn anatomy into an interactive experience.

Morning Workshop 2:
Rapid Answers in Real
Time: POCUS

**POCUS - Joint session
with NeoFocus**

Hands-on POCUS training to gain rapid answers and guide real-time bedside decisions.

Morning Workshop 3:
Evolving Possibilities
– Changing the
CDH Trajectory

**Optimising Heart-Lung
Mechanics in CDH -
from preterm to term**

Step into CDH physiology - an immersive, hands-on workshop focused on optimising heart-lung interactions to improve outcomes.

Morning Workshop 4:
Beyond the Bedside:

**Technology, Wearables,
and the Future of
Single Ventricle
Monitoring**

A hands-on workshop focused on safe home monitoring strategies for single ventricle patients, bridging the distance between hospital and home.

12:30 - 13:30 Lunch break

Delegates to attend one afternoon workshop (selected in advance of the day on a first come, first served basis)

13:30 - 17:00

Afternoon Workshop 1:
Feel the Rhythm

**Arrhythmias in ICU
(basic and advanced)**

From ECG to action – hands-on approaches to diagnosing and managing ICU arrhythmias.

Afternoon Workshop 2:
Neonatal ECHO

**Combination
of Didactic and
Hands-On Event**

See the heart in real time – combining focused teaching with hands-on neonatal echocardiography.

Afternoon Workshop 3:
Living on a Bridge

**ECMO/EuroELSO
(basic and advanced)**

A hands-on workshop covering ECMO from fundamentals to advanced practice, focusing on decision-making, management, and complications.

Afternoon Workshop 4:
The First Crisis:
Cardiac Emergencies
in the Neonate

**Neonatal Cardiac
Emergencies**

A practical hands-on workshop on recognising and managing neonatal cardiac emergencies when rapid decisions matter most.

17:00

Close

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Thursday 9 July
8:45am - 7pm (BST)



BMA House,
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08:00 - 08:45	Registration		
08:45 - 09:00	Welcome and opening remarks		
09:00 - 09:05	Our Greatest Success or Our Greatest Myth?		
Morning Plenary: Bridging disciplines: The Future of Neonatal Cardiac Care			
09:05 - 09:20	The First Beat: What Shapes the Neonatal Heart Before Birth?		
09:20 - 09:35	The Art of Transition: Integrating Bedside Imaging and Haemodynamics for Precision Care		
09:35 - 09:50	When Two Risks Collide: Prematurity and CHD-Corrective vs Palliative Procedures		
09:50 - 10:05	Patterns of Practice and Outcomes in Neonatal Surgery from the ECHSA database		
10:05 - 10:30	Expert round table - Translating Development into Care		
10:30 - 11:00	Coffee Break		
11:00 - 12:15	Morning Parallel: Breakout Session 1 – Fetal Cardiology - From Cell to Circulation		
	Morning Parallel: Breakout Session 2 – Neonatal Transition at Birth - "First Breath, First Beat"		
	11:00	From Genes to Flow: Cardiac Morphogenesis & Fetal Physiology	Holding the Lung Open: Ultrasound in neonates
	11:15	Advances in Fetal Imaging: 4D ECHO, MRI & AI Tools	Breathing Life in CDH: Precision Management at Birth
	11:30	In-Utero Interventions: Who, When, and How?	Unstable at Birth: Navigating the Difficult Transition Congenital Arrhythmias - Brady and Tachycardia
11:45	Counselling Families: Multiple Congenital Anomalies	When The Things Go Wrong?! NRP Cardiac	
12:00	Q&A - Ethics and Uncertainty in Fetal CHD	Q&A	
12:15 - 13:15	Lunch Break		

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		Afternoon Parallel: Breakout Session 1 – Cardiothoracic ICU - "Critical Hearts and Lung"	Afternoon Parallel: Breakout Session 2 – Care That Grows With the Child
13:15 - 14:30	13:15	Post Pump Slump: Does it still exist?	PDA Closure: Medical or Intervention? Who and When?
	13:30	Born with No Margin for Error: Tetralogy of Fallot with absent pulmonary valve	Neuromonitoring in High-Risk Neonates
	13:45	Complex Airway, Complex Heart: Integrated Strategies for High-Risk Neonates	Nutrition, Metabolism, Growth in High-Risk Neonates
	14:00	Saving Seconds: Preventing Cardiac Arrest in High-Risk CICU Neonates	Parent Partnership: Psychosocial Health of Families and Children after Neonatal Interventions
	14:15	Q&A	Q&A
14:30 - 15:00	Coffee Break		
Afternoon Plenary: The Unpredictable Heart			
15:00 - 15:15	Structurally Abnormal Heart: From Stable to Spiral: Why Neonatal Hearts Collapse Without Warning		
15:15 - 15:30	Neonatal Pulmonary Hypertension in 2026: New Tools, New Targets		
15:30 - 15:45	Trapped by Anatomy: The Most Difficult Obstructive Hearts		
15:45 - 16:00	Structurally Abnormal Heart: Neonatal Myocardial Failure		
16:00 - 16:30	Expert round table – The Hidden Physiology (Complex cases)		
16:30 - 17:00	Abstract presentations		
17:00 - 17:15	Operationalising a Maternal–Fetal Unit Within a Children’s Hospital		
17:15 - 19:00	Drinks Reception		

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Friday 10 July
9am - 5pm (BST)



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08:30 - 09:00		Registration	
Morning Plenary: What Happens After We Say Yes?			
09:00 - 09:15		Defining Surgical Inoperability in Neonates: Clinical Criteria and Inter-Surgeon Variability	
09:15 - 09:30		The Preterm Heart: A Lifetime Consequence	
09:30 - 09:45		Beyond the Operation: Brains, Growth, and Future	
09:45 - 10:00		Using Population and Electronic Health Data to Track Neonatal Outcomes Beyond 30 Days	
10:00 - 10:15		Expert round table - Beyond Survival: Defining Success	
10:15 - 10:45		Coffee Break	
10:45 - 12:00		Morning Parallel: Breakout Session 1 – Breathing Life in CHD: Precision Management at Birth	Morning Parallel: Breakout Session 2 – Imaging (Echo/CT/MRI) - “Seeing the Seeing Beyond the Surface”
	10:45	State-of-the-Art Norwood & Single-Ventricle Strategies	3D Echo and Strain Imaging in Neonatal CHD
	11:00	4 Staged Palliation in HLHS	CT & MRI in Fragile Infants: Balancing Detail & Safety
	11:15	Early Repair vs. Staged Palliation in Complex CHD	Functional Echo in Pulmonary Hypertension & ECMO
	11:30	Cerebral and Myocardium Protection during Neonatal Surgery	Artificial Intelligence in Image Acquisition & Interpretation
	11:45	Q&A	Q&A
12:00 - 13:00		Lunch Break	

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13:00 - 14:15	Afternoon Parallel Session: Breakout 1 – Interventional Cardiology - “Tiny Catheters, Big Impact”		Afternoon Parallel Session: Breakout 2 – ECMO - “Circuits of Life”	
	13:00	PDA Closure in Preterm Infants: Devices & Data	When to Cannulate: Timing & Decision-Making in Neonates	
	13:15	Hybrid Procedures: Bridging Surgery & Cath Lab	Challenges of Neonatal ECMO Cannulation?	
	13:30	Pulmonary flow regulators	Advances in ECMO Technology	
	13:45	From Millimetres to Miracles: Stenting in Neonates	ECMO & Neuroprotection: Outcomes Beyond Survival	
	14:00	Q&A	Round table - Case Based (Sepsis, Asphyxia, PPHN)	
14:15 - 14:45	Coffee Break			
Afternoon Plenary: Innovation & Global Vision				
14:45 - 15:00	Old School vs. New School: Who’s Right in 2026?			
15:00 - 15:15	Debate: How Far Is Too Far? Cardiac Intervention in Complex Morbidities PRO-CON			
15:15 - 15:30	The Illusion of Control: What we Miss in Cardiac Physiology			
15:30 - 15:45	Decoding the Newborn Heart - Lab Insights for CHD			
15:45 - 16:00	Global Neonatal Heart: Can we Deliver Equity?			
16:00 - 16:30	Expert round table - The Next Decade: Old School vs. New School			
16:30 - 16:45	The Next Decade: Innovation or Transformation? Demystifying AI			
16:45 - 17:00	Plenary Farewell and Feedback			
17:00	Close			