

ISCTE – INSTITUTO UNIVERSITÁRIO DE LISBOA
 13 & 14 **NEONATAL HEMODYNAMICS**
MARCH AND TARGETED NEONATAL
2026 ECHOCARDIOGRAPHY
LISBON FOR NEONATOLOGISTS
 - HOW TO IMPROVE PRACTICES AND STANDARDS -
 A TWO-DAY COURSE

With the presence of

DR. PATRICK J. MCNAMARA

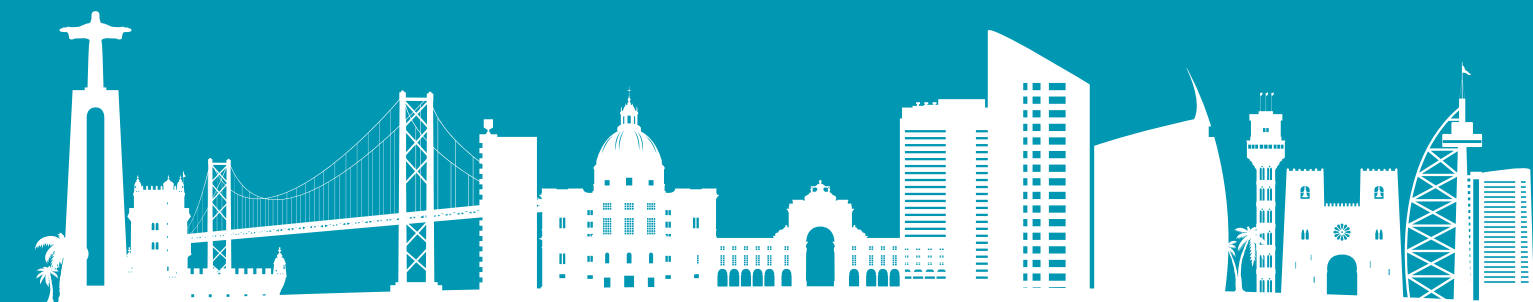


Patrick McNamara graduated from Queens University Belfast in 1987, received his MRCPCH in Pediatrics in 1997 and Certificate of Completion of Specialist Training in Neonatal Medicine in 2002. He is currently the Director of the Division of Neonatology at the University of Iowa Stead Family Children's Hospital, Professor of Pediatrics and Internal Medicine, and the Regan Giesinger Professor of Neonatology at the University of Iowa. He is the current chair of the Pediatric Academic Society Neonatal Hemodynamics Advisory and Neonatal Hemodynamics (TnECHO) Special Interest Group at the American Society of Echocardiography. He also serves as the co-president of the Association of Academic Neonatology Division Directors. His clinical and research interests include myocardial performance in the settings of a hemodynamically significant ductus arteriosus, pulmonary hypertension and targeted neonatal echocardiography. He has published over 400 peer reviewed publications, chapters and other works.

DR. ADRIANNE RAHDE BISCHOFF



Adrienne Bischoff Clinical Assistant Professor at the University of Iowa. She did her Neonatal-Perinatal Medicine training at the University of Toronto and completed her Neonatal Hemodynamics training at the University of Iowa. She is a member of the PanAmerican Hemodynamics Collaborative (PAHC) which promotes educational initiatives in the field of neonatal hemodynamics/TnECHO and cultivates multicenter clinical research and a council member of the Midwest Society for Pediatric Research (MWSPP). Her research interests focus on the physiology of post-transcatheter patent ductus arteriosus closure, mechanisms of blood pressure regulation in preterm infants and the use of cardiac MRI.



ISCTE – INSTITUTO UNIVERSITÁRIO DE LISBOA
13 & 14 NEONATAL HEMODYNAMICS
MARCH AND TARGETED NEONATAL
2026 ECHOCARDIOGRAPHY
LISBON FOR NEONATOLOGISTS
- HOW TO IMPROVE PRACTICES AND STANDARDS -
A TWO-DAY COURSE

MARCH 13

MORNING

8:00 AM - 08:30 AM | REGISTRATION

08:30 AM -10:30 AM | INTRODUCTION TO NEONATAL HEMODYNAMICS

Moderators: Edmundo Santos / Natália Noronha

08:30 AM | Evolution of Neonatal Hemodynamics: A Historical Perspective
Patrick McNamara - Iowa, USA (*In-person*)

09:00 AM | Principles of Neonatal Cardiovascular Physiology
Adrienne Rahde Bischoff - Iowa, USA (*In-person*)

09:30 AM | Inotropes and Vasopressors: The Art of Choosing the Best Drug Based on Cardiovascular Physiology
Audrey Hebert - Québec, Canada (*Online*)

10:00 AM | Open Discussion

10:20 AM - 10:40 AM | COFFEE BREAK

10:40 AM - 12:45 PM | ECHOCARDIOGRAPHY AND CARDIAC FUNCTION

Moderators: Alberto Berenguer / João Sarmento

10:40 AM | Basic Heart Anatomy, Sequential Analysis, and Standard Echocardiographic Views
José Diogo Martins - Lisbon, Portugal (*In-person*)

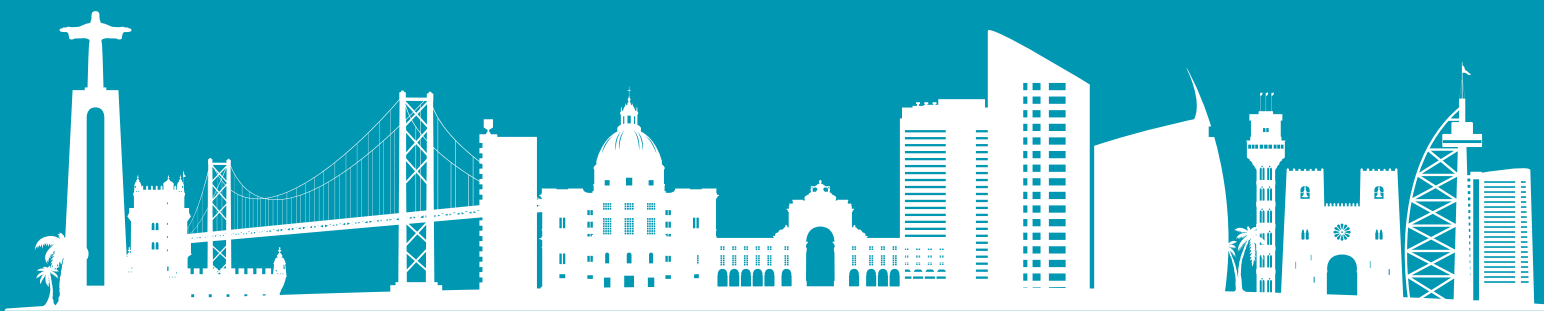
11:05 AM | Evaluation of Left and Right Ventricular Function
Phil Levy - Boston, USA (*Online*)

11:35 AM | Diastolic Dysfunction: What Do We Know?
Koert de Waal - Newcastle, Australia (*Online*)

12:05 PM | Cardiac POCUS and Targeted Neonatal Echocardiography: Boundaries and Indications
Numra Aleem - Iowa, USA (*Online*)

12:30 PM | Open Discussion

12:45 PM - 01:45 PM | LUNCH BREAK



ISCTE – INSTITUTO UNIVERSITÁRIO DE LISBOA
13 & 14 NEONATAL HEMODYNAMICS
MARCH AND TARGETED NEONATAL
2026 ECHOCARDIOGRAPHY
LISBON FOR NEONATOLOGISTS
- HOW TO IMPROVE PRACTICES AND STANDARDS -
A TWO-DAY COURSE

AFTERNOON
MARCH 13

01:45 PM - 03:45 PM | PULMONARY HYPERTENSION

Moderators: Pedro Garcia / Mónica Rebelo

01:45 PM | Acute Pulmonary Hypertension: Phenotypes for Management Precision
Patrick McNamara - Iowa, USA (*In-person*)

02:15 PM | Bronchopulmonary Dysplasia and Chronic Pulmonary Hypertension:
Screening and Phenotypes for Management Precision
Amy Stanford - Iowa, USA (*Online*)

02:45 PM | Echocardiographic Evaluation of Acute and Chronic Pulmonary Hypertension
Poorva Deshpande - Toronto, Canada (*Online*)

03:10 PM | Clinical Cases
Trassanee Chatmethakul - Iowa, USA (*Online*)

03:25 PM | Open Discussion

03:45 PM - 04:15 PM | COFFEE BREAK

04:15 PM - 05:45 PM | HEMODYNAMICS OF HYPOXIC-ISCHEMIC ENCEPHALOPATHY

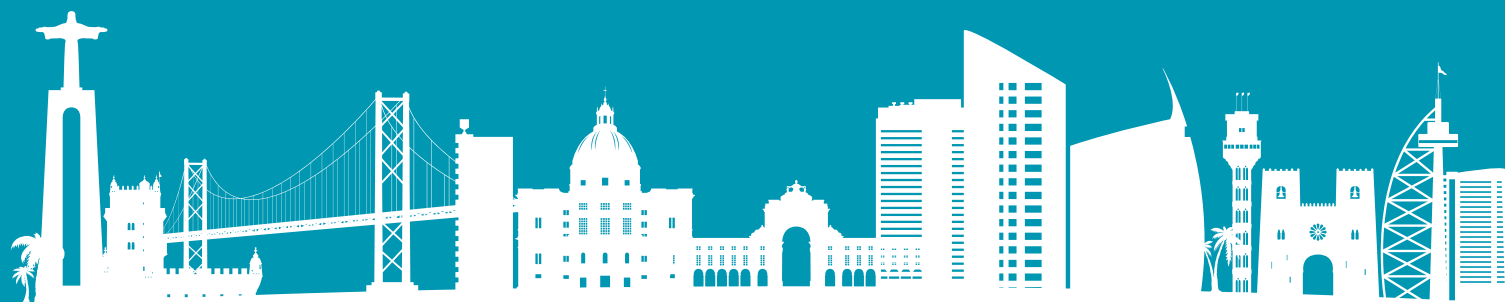
Moderators: Elisa Proença / Andreia Palma

04:15 PM | Impact of HIE and Therapeutic Hypothermia on Cardiopulmonary Performance
Gabriel Altit - Montreal, Canada (*Online*)

04:45 PM | Diagnostic Approach and Management of Cardiac Dysfunction and Acute
Pulmonary Hypertension in HIE Under Therapeutic Hypothermia
Danielle Rios - Iowa, USA (*Online*)

05:15 PM | Clinical Cases
Tyler King - Iowa, USA (*Online*)

05:30 PM | Open Discussion



ISCTE – INSTITUTO UNIVERSITÁRIO DE LISBOA
13 & 14 **NEONATAL HEMODYNAMICS**
MARCH AND TARGETED NEONATAL
2026 ECHOCARDIOGRAPHY
LISBON FOR NEONATOLOGISTS
- HOW TO IMPROVE PRACTICES AND STANDARDS -
A TWO-DAY COURSE

MARCH 14

MORNING

08:30 AM - 10:30 AM | PDA: UPDATES ON SCREENING, PHARMACOTHERAPY, AND DEFINITIVE CLOSURE

Moderators: Paulo Soares / Petra Loureiro

08:30 AM | Enhanced Echocardiographic Assessment of PDA
Adrienne Rahde Bischoff - Iowa, USA (*In-person*)

09:00 AM | Physiology-Based Approach to PDA and Therapeutic Options
Souvik Mitra - Vancouver, Canada (*Online*)

09:30 AM | Approach to Interventional Closure of PDA and Post-Ligation Syndrome
Adrienne Rahde Bischoff - Iowa, USA (*In-person*)

10:00 AM | Clinical Cases
Numra Aleem - Iowa, USA (*Online*)

10:15 AM | Open Discussion

10:35 AM - 11:00 AM | COFFEE BREAK

11:00 AM - 12:25 PM | TRANSITION AND THE VERY PRETERM BABY

Moderators: Rui Castelo / Ana Luísa Costa

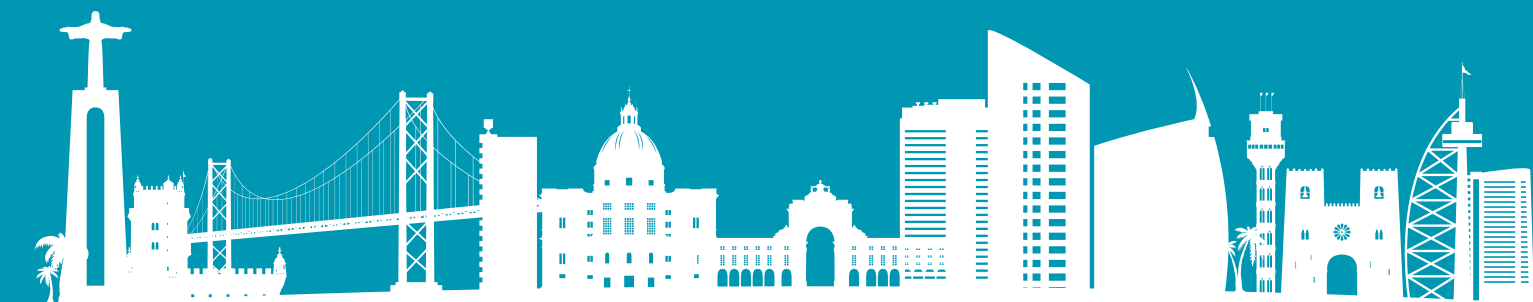
11:00 AM | Transitional Physiology in the Extremely Preterm Infant
Rachael Hyland - Iowa, USA (*Online*)

11:25 AM | Echocardiographic Evaluation of Extremely Preterm Infants
Danielle Rios - Iowa, USA (*Online*)

11:50 AM | Clinical Cases
Rachael Hyland - Iowa, USA (*Online*)

12:05 PM | Open Discussion

12:25 PM - 01:30 PM | LUNCH BREAK



ISCTE – INSTITUTO UNIVERSITÁRIO DE LISBOA
13 & 14 **NEONATAL HEMODYNAMICS**
MARCH AND TARGETED NEONATAL
2026 ECHOCARDIOGRAPHY
LISBON FOR NEONATOLOGISTS
- HOW TO IMPROVE PRACTICES AND STANDARDS -
A TWO-DAY COURSE

AFTERNOON MARCH 14

01:30 PM - 03:30 PM | SPECIAL HEMODYNAMIC CIRCUMSTANCES

Moderators: Teresa Dionísio / Joana Miranda

01:30 PM | Neonatal Septic Shock and Hemodynamic Dysfunction
Ashraf Kharrat - Toronto, Canada (*Online*)

02:00 PM | Hemodynamics of Vein of Galen Malformation
Amy Stanford - Iowa, USA (*Online*)

02:30 PM | Hemodynamics of Congenital Diaphragmatic Hernia
Jack Wren - Iowa, USA (*Online*)

03:00 PM | Lung Ultrasound and Cardiopulmonary Interactions: Integrating LUS in TnECHO Assessment
Marilena Savoia - Udine, Italy (*Online*)

03:30 PM - 04:00 PM | COFFEE BREAK

04:00 PM - 06:00 PM | NEONATOLOGISTS PERFORMING ECHOCARDIOGRAPHY AND THE NEED FOR STANDARDS

Moderators: Anabela Salazar / Inês Mendes

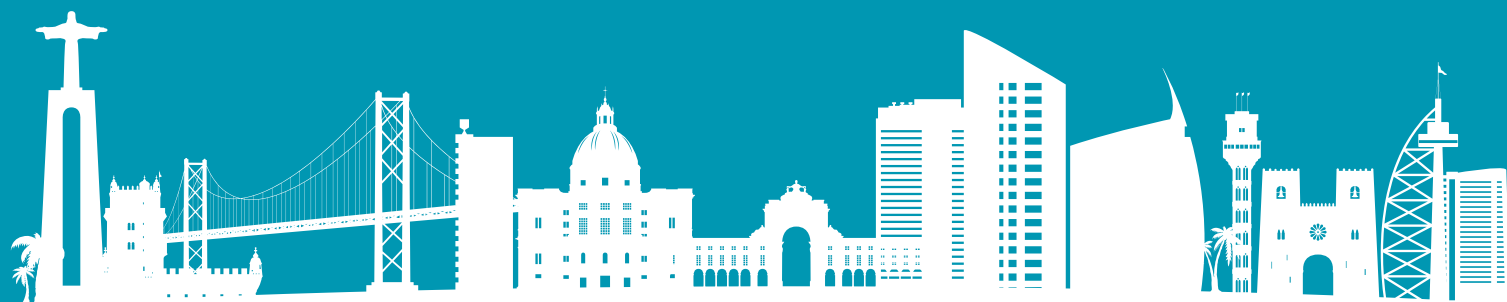
04:00 PM | Neonatologists Performing Echocardiography – 20 Years of Experience in Telemedicine
Rui Anjos - Lisbon, Portugal (*In-person*)

04:30 PM | Neonatologists Performing Echocardiography in Portuguese NICUs: Where Are We Now?
Luísa Martins - Lisbon, Portugal (*In-person*)

04:55 PM | Neonatologists Performing Echocardiography: Defining Standards and Scope of Practice
Patrick McNamara - Iowa, USA (*In-person*)

05:25 PM | Open Discussion

05:50 PM | Closing Remarks



SPONSORS

