




Clinical Seminar Neonatal Hemodynamics Course

 Porto, Portugal
18th - 20th May 2023

Objectives

IPOKRATES seminars provide high quality postgraduate education which enables professionals to keep abreast of the most recent developments and offer participants the opportunity to discuss clinical problems or scientific issues personally with international experts.

The overarching aim is to assist the audience in optimizing clinical care for newborn infants with cardiovascular compromise. Although cases with structural malformations of the heart will be included, the focus is on infants with normal anatomy.

- ① Case-based teaching is applied to train participants to solve practical problems using cognitive flexibility.
- ② Problem-based teaching is applied to improve understanding of the mechanisms of disease processes (pathophysiology) and the possible effects of interventions.
- ③ Lectures are used to present topics in physiology, pathophysiology as well as methodology.

Given the small audience size, questions and comments are welcome at all times, and we hope for a highly interactive course.

Lecturers

Carl Backes, MD
Associate Professor; Nationwide Children's Hospital, Columbus, OH, USA

Eugene Dempsey, MD
Professor; University College Cork, Cork, Ireland

Gorm Greisen, MD, PhD
Professor; University of Copenhagen, Copenhagen, Denmark

Shahab Noori, MD, MS CBTI, RDCS
Professor of Pediatrics; Children's Hospital Los Angeles, University of Southern California, Los Angeles, CA, USA

Information/ Registration

IPOKRATES Head Office
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Participation Fees

Costs for overnight accommodation and meals are not included

Single Person:

before April 6, 2023	€ 380,-
after April 6, 2023	€ 430,-

Member of Portuguese Neonatal Society:

before April 6, 2023	€ 380,-
after April 6, 2023	€ 380,-

The Number of Participants is limited to 50

Please Note:


Only registered participants,
NO on site registration!

Please register via Internet:

 www.ipokrates.info

Host

Dra. Marta Rosário
IPOKRATES Porto group

 Faculty of Medicine of Porto
University Division of Neonatology –
Centro Hospitalar Universitário
São João Porto, Portugal

 marta8fdr@hotmail.com

Program Design

Shahab Noori, Los Angeles, USA

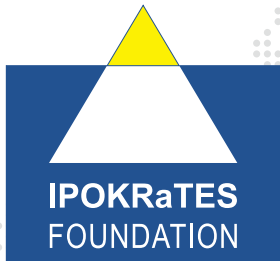
Target Audience

Doctors, nurses and affiliates of university and non-university hospitals in the field of neonatology.

Major Sponsor

Local Sponsors

TBA



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Neonatal Hemodynamics Course



Porto, Portugal
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Program

Thursday, May 18, 2023

MORNING SESSION

THEME: Transitional Cardiovascular Physiology and Monitoring

- 08:00** Introduction by the host
- 08:10** Principles of Fetal and Transitional Cardiovascular Physiology
Shahab Noori
- 09:10** Cord Clamping and Cardiovascular Interaction at Birth: Supporting Transition
Carl Backes
- 10:10** Break
- 10:30** Monitoring Cardiovascular Function
Eugene Dempsey
- 11:30** Monitoring Oxygen Delivery and Organ Blood flow
Gorm Greisen
- 12:30** Lunch Break

AFTERNOON SESSION

THEME: Transition from Fetal to Neonatal Circulation: Pathophysiology and Treatment

- 14:00** Persistent Pulmonary Hypertension of the Newborn: Pathophysiology and Management
Eugene Dempsey
- 15:00** Cardiovascular Factors Affecting Outcomes in the Very Preterm Infants during Transition: Pathophysiology and Treatment of P/IVH
Shahab Noori
- 16:00** Break
- 16:20** Protecting the Brain of Neonate
Gorm Greisen
- 17:20** Adjourn

Subject to change



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Friday, May 19, 2023

MORNING SESSION

THEME: Neonatal Shock – Pathophysiology and Management

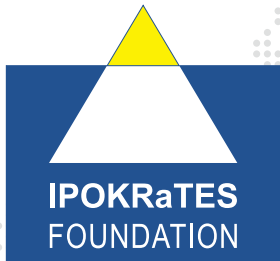
- 08:00** Neonatal Hypotension and Shock
Eugene Dempsey
- 09:00** Distribution of blood flow to various organs in shock
Gorm Greisen
- 10:00** Break
- 10:20** The use of Vasopressors, Inotropes, Lusitropes, and Steroids in Shock
Shahab Noori
- 11:20** Monitoring Cerebral Blood Flow and Oxygenation in Hypoxic Ischemic Encephalopathy
Gorm Greisen
- 12:20** Lunch Break

AFTERNOON SESSION

THEME: Hemodynamic Management of Surgical cases, BPD-associated Pulmonary Hypertension and Congenital Heart Disease at Birth

- 13:50** Pre- and Post-Operative Circulatory Management of Non-Cardiac Surgical Cases
Shahab Noori
- 14:50** Pathophysiology, Hemodynamics, and Management of Pulmonary Hypertension in BPD
Eugene Dempsey
- 15:50** Break
- 16:10** Congenital Heart Disease: Delivery Room and Initial Management
Carl Backes
- 17:20** Adjourn

Subject to change



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Program

Saturday, May 20, 2023

MORNING SESSION

THEME: Patent Ductus Arteriosus

- 08:00** Pathophysiology and Hemodynamics of Preterm Infants with Patent Ductus Arteriosus
Carl Backes
- 09:00** Patent Ductus Arteriosus: To Treat or Not To Treat?
Shahab Noori
- 10:00** Break
- 10:20** Patent Ductus Arteriosus Treatment: when, who and how (medications, surgery and device closure)
Carl Backes
- 11:30** Lunch Break

AFTERNOON SESSION

THEME: Case Presentations

- 13:00** Pulmonary Hypertension Cases
Eugene Dempsey
- 13:30** Hypotension and Shock Cases
Shahab Noori
- 14:00** PDA Cases
Carl Backes
- 14:30** Organ Blood Flow Monitoring using NIRS: Cases
Gorm Greisen
- 15:00** Final Discussion
- 15:10** Adjourn

Subject to change