



# IPOKRATES Foundation Clinical Seminar



## Neonatal Hemodynamics

Porto, Portugal, AXIS PORTO, Business and SPA Hotel, [www.axishoteisegolfe.com](http://www.axishoteisegolfe.com)  
April 19 - 21, 2012 ; starts at 08:30 a.m.

### Objectives

IPOKRATES seminars provide high quality postgraduate education which enables professional to keep abreast of the most recent developments and offer participants the opportunity to discuss clinical problems or scientific issues personally with international experts. This seminar focuses on pathophysiology, clinical assessment and management of hemodynamic disorders in the premature and mature infant.

### Lecturers

Seri Istvan	University of Southern California, Los Angeles, USA
Kluckow Martin	University of Sydney, Sydney, AUS
Greisen Gorm	University of Copenhagen, Copenhagen, DK
Shahab Noori	University of Southern California, Los Angeles, USA

Limited Number of Participants: 65

Please Note: Only registered participants, NO on site registration!

Please register via internet: <http://www.ipokrates.info>

**Program Design** Seri I, Los Angeles, USA

**Target Groups** Doctors, nurses and affiliates of university and non-universitari hospitals in the field of neonatology, neonatal and pediatric intensive care, of pediatric cardiology, anesthesiology and related specialities.

**Major Sponsors** Dräger, Elsevier, Nestlé Nutrition Institute, Heinen + Löwenstein

**Local Sponsors** Baxter

**Local Organizer** **Dr. Paulo Soares**

Serviço de Neonatologia / UAG da Mulher e da Criança, Centro Hospitalar São João - Piso 2

Alameda Professor Hernâni Monteiro, 4202 - 451 Porto, Portugal

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**Information/  
Registration**

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e-mail: [ipokrates@mcon-mannheim.de](mailto:ipokrates@mcon-mannheim.de), internet: <http://www.ipokrates.info>

**Travel**

VISA required, each participant is responsible for his/her VISA, and IPOKRATES assumes NO liability.

**Participation Fees** Single person

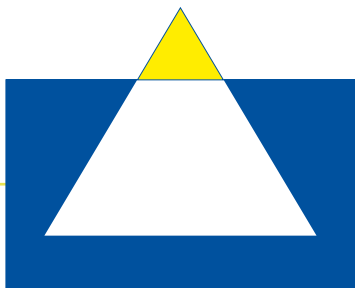
before January 31, 2012

€ 350.-

after February 1, 2012

€ 400.-

PARTICIPATION FEES inclusive IPO-tv-access of lectures video-recorded.



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## THURSDAY – APRIL 19, 2012

### MORNING SESSION

08:00	Principles of Developmental Cardiovascular Physiology Question-Answer Session	Istvan Seri
09:10	Introduction to Functional Echocardiography (fECHO): Clinical Applications, Training, and Accreditation Question-Answer Session	Martin Kluckow
10:20	<i>Break</i>	
10:40	Cardiac Output Measurements in Neonates: Novel Approaches Question-Answer Session	Shahab Noori
11:50	Organ Blood Flow Measurements at the Bedside using Near-Infrared Spectroscopy (NIRS) Question-Answer Session	Gorm Greisen
13:00	<i>Lunch Break</i>	

### AFTERNOON SESSION

14:30	Cardiovascular Factors Affecting Outcomes in the VLBW Neonate during Transition: Case Presentations Question-Answer Session	Shahab Noori
15:30	Organ blood flow monitoring using NIRS: Case Presentations Question-Answer Session	Gorm Greisen
16:30	<i>Break</i>	
16:50	Use of point of care fECHO in the NICU: Case Presentations with a Focus on Systemic Blood Flow During Transition Question-Answer Session	Martin Kluckow
17:50	<i>Adjourn</i>	

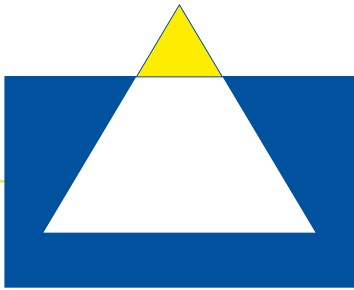
## FRIDAY – APRIL 20, 2012

### MORNING SESSION

08:00	Definition Neonatal Hypotension Question-Answer Session	Istvan Seri
09:10	Developmentally Regulated Mechanisms of Action of Vasopressors, Inotropes, and Lusitropes Question-Answer Session	Istvan Seri
10:20	<i>Break</i>	
10:40	Pathophysiology and Treatment of Low Systemic Blood Flow and Hypotension in VLBW Neonates during the first Postnatal Week Question-Answer Session	Martin Kluckow
11:50	Clinical Trial Design in Neonatal Hemodynamics Question-Answer Session	Gorm Greisen
13:00	<i>Lunch Break</i>	

### AFTERNOON SESSION

14:30	Vasopressor-Resistant Hypotension in the Neonate: Etiology and Treatment Question-Answer Session	Istvan Seri
15:30	Pathophysiology, Hemodynamics, and Management of Persistent Pulmonary Hypertension of the Neonate (PPHN) Question-Answer Session	Martin Kluckow
16:30	<i>Break</i>	
16:50	Impact of Changes in Blood Pressure, pCO <sub>2</sub> , O <sub>2</sub> Saturation, Hemoglobin Concentration, and Positive End-Expiratory Pressure on Cerebral Blood Flow and Oxygen Delivery Question-Answer Session (15 minutes)	Gorm Greisen
17:50	<i>Adjourn</i>	



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## SATURDAY – APRIL 21, 2012

### MORNING SESSION

08:00	Pathophysiology and Hemodynamics of VLBW Neonates with Patent Ductus Arteriosus Question-Answer Session	Martin Kluckow
09:10	Patent Ductus Arteriosus: To Treat or Not To Treat? Question-Answer Session	Shahab Noori
10:20	<i>Break</i>	
10:40	Comprehensive Hemodynamic Monitoring in Neonates Question-Answer Session	Istvan Seri
11:50	Hemodynamics During Therapeutic Hypothermia in the Neonate with Hypoxic-Ischemic Encephalopathy Question-Answer Session	Shahab Noori
13:00	<i>Lunch Break</i>	

### AFTERNOON SESSION

14:30	Impact of Neonatal Hypotension and Impaired Systemic and Cerebral Blood Flow on Neurodevelopmental Outcome in the VLBW Neonates Question-Answer Session	Shahab Noori
15:30	“Quiz” Case Presentations: 15-minute case presentations by each faculty with audience-participation	Greisen, Noori, Kluckow, Seri
16:30	Final Discussion	
16:45	<i>Adjourn</i>	