

# IPOKRATES

## Clinical Seminar

Foundation



## Neonatal Respiratory Support: State-of-the-art in respiratory assistance, delivery room care, prevent on and treatment of chronic lung disease

Henan Children's Hospital, East of Longhu Waihuan 33 Zhengzhou 450018, Henan, China  
November 14 – 16, 2019

### Objectives

IPOKRATES seminars provide high-quality postgraduate education, which enables professionals to keep abreast on the most recent developments and offers participants the opportunity to discuss clinical problems and scientific issues personally with international experts. Emphasis will be made on providing a comprehensive and structured approach to neonatal respiratory assistance from its theoretical and physiological basis to clinical patient management.

### Lecturers

Martin Keszler MD	Women and Infants Hospital, Brown University, Providence, RI, USA
Sherry Courtney MD	University of Arkansas, Little Rock AR, USA
David Tingay MD	Royal Children's Hospital, Melbourne, Australia
Amit Mukerji MD	McMaster University, Hamilton, Ontario, Canada

**Program Design** Martin Keszler, USA

**Target Groups** Physicians and other health care professionals from academic and non-university hospitals with interest in mechanical ventilation and other forms of life support. This includes Neonatologists, Pediatricians, Intensivists, Anesthesiologists and others. The number of participants is limited to 70, to optimize opportunity for interaction with faculty.

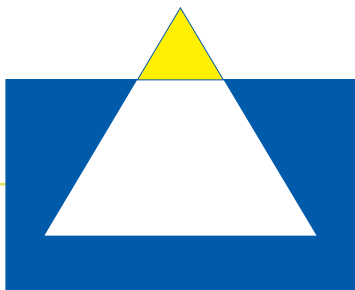
**Major Sponsors** Dräger, Elsevier, Nestlé Nutrition Institute

**Licensed Organizer** **Professor Wenqing Kang**  
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**Participation Fees** Single person from outside China: € 130.-

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



# Neonatal Respiratory Support

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## Thursday, November 14, 2019

08.30-09.00 Welcome and introductory remarks Prof. Wenqing Kang; Prof. Martin Keszler

### RESPIRATORY PHYSIOLOGY AND LUNG DEVELOPMENT

09.00-10.00 Essentials of pulmonary physiology and lung mechanics Keszler M  
10.00-11.00 Normal and abnormal lung development, effects of preterm birth Tingay D  
11.00-11.30 Tea Break  
11.30-12.30 Principles of gas exchange: CO<sub>2</sub> elimination, oxygenation, tissue oxygen delivery Keszler M  
12.30-13.30 Lunch

### DELIVERY ROOM MANAGEMENT-THE CRITICAL GOLDEN HOUR

13.30-14.15 Delivery room stabilization Tingay D  
14.15-15.00 Surfactant replacement therapy: When and How? Mukerji A  
15.00-15.30 Tea Break  
15.30-16.30 The Open Lung concept/optimizing lung volume in the Delivery room and NICU Tingay D  
16.30-17.00 Roundtable Discussion/Case presentation All Faculty

## Friday, November 15, 2019

### TECHNIQUES OF RESPIRATORY SUPPORT

08.30-09.30 Non-invasive respiratory support: CPAP, HFNC and NIPPV Mukerji A  
09.30-10.15 Modern mechanical ventilation: Overview of basic modes and techniques Courtney S  
10.15-10.45 Tea Break  
10.45-11.30 Neurally adjusted ventilatory assist (NAVA) Courtney S  
11.30-12.30 Volume-targeted ventilation: New paradigm in neonatal ventilation Keszler M  
12.30-13.30 Lunch  
13.30-14.30 High-frequency ventilation Courtney S

### TREATMENT OF SPECIFIC CONDITIONS

14.30-15.15 Neonatal Acute Respiratory Distress Syndrome: Definition, Pathophysiology and Management Tingay D  
15.15-15.45 Tea Break  
15.45-16.30 Care of the infant with Congenital Diaphragmatic Hernia (CDH) Mukerji A  
16.30-17.00 Roundtable Discussion/Case presentation All Faculty

## Saturday, November 16, 2019

08.30-09.30 Diagnosis and treatment of Persistent Pulmonary Hypertension (PPHN) Mukerji A  
09.30-10.30 BPD: Definition, Pathophysiology and Management Keszler M  
10.30-11.00 Tea Break  
11.00-12.30 Ventilator management - case presentations Keszler M  
12.30-12.45 Closing Remarks Kang W and Keszler M  
12.45 Adjourn

**Subject to change.**