



# AIIMS-WHO-CC & I P O K R a T E S

## Clinical Seminar Respiratory Critical Care

### Objectives

IPOKRATES seminars provide high-quality postgraduate education which enables professionals to keep abreast of the most recent developments and offers participants the opportunity to discuss clinical problems and scientific issues personally with international experts. Emphasis is placed on providing a structured approach to neonatal respiratory assistance from its theoretical and physiological basis to clinical patient management. Demonstrations will be done with respirators and other devices. We encourage you to bring along complicated cases.

### Lecturers

<b>Kezler M</b>	Georgetown University, Washington DC, USA
<b>Simbruner G</b>	Med University Innsbruck, Innsbruck, Austria
<b>Aschner J</b>	Vanderbilt University, Nashville, TN, USA
<b>Paul VK</b>	All India Institute of Medical Sciences, New Delhi
<b>Deorari AK</b>	All India Institute of Medical Sciences, New Delhi

**Date** February 7-9, 2007; starts at 8.30 am

**Place** Conference Hall, All India Institute of Medical Sciences, New Delhi

**Limited Number of Participants: 60** This seminar thus will offer extensive chance for personal discussion

**Program Design** Simbruner G, Aschner J

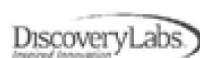
**Target Groups** Neonatologists, Pediatricians, Intensivists

**Major Sponsors** Dräger, INO Therapeutics, Orphan Europe, Discovery Laboratories

**Local Sponsors** SLE Ltd.,  
Dräger Medical, VIASYS

**Participation Fees** Single person before December 31, 2006 Rs. 5000/-  
Single person after January 1, 2007 Rs. 8000/-  
**No On-Site Registration**

**Visit:** [www.newbornwhocc.org](http://www.newbornwhocc.org) or [www.ipokrates.org](http://www.ipokrates.org)



**Respiratory Critical Care**  
**AIIMS, New Delhi**  
**February 7-9, 2007**

**PROGRAM**

**Wednesday , February 7, 2007**

<b>Welcome Address</b>	Deorari AK, Simbruner G
The golden first hour after birth (30 min )	Keszler M
Asphyxia of the newborn Infant: Pathophysiology, Clinical Correlates and therapeutic Interventions (60min)	Simbruner G
<i>Break</i>	
CO2 Elimination: Role of CO2 production, dead space and PCO2 level (60 min )	Simbruner G
Conventional Mechanical Ventilation (45 min)	Aschner J
<i>Lunch</i>	
pH and pCO2 Management (60 minutes)	Aschner J
State of the art in mechanical ventilation: Review of available modes, techniques and devices	Keszler M
CPAP – Physiological basis, Evidence, Indian & New machines	Deorari AK
<i>Break</i>	
Practical examples: Assessing and improving Oxygenation ( 30 min )	Simbruner G

## Thursday , February 8, 2007

Non-dissipative forces within the lung: Role of compliance, resistance and inertia in mechanical ventilation (60 min ) Simbruner G

Update on high-frequency ventilation ( 45 min ) Keszler M

### *Break*

Volume-targeted ventilation – new paradigm in Neonatal ventilation Keszler M

Weaning and CPAP for Extubation (45 min) Aschner J

### *Lunch*

Pathways of Oxygen. Normal and disturbed gas exchange; oxygen transport and cellular functions of oxygen ( 60 min ) Simbruner G

Retinopathy of Prematurity Paul VK

### Workshops

1. Pulmonary Graphics: Usefulness & limitation Deorari AK
2. Interpreting CO<sub>2</sub> values: Practical examples Simbruner G
3. Demo on respirator & lung model: special modes of ventilation Keszler M

## Friday , February 9, 2007

Lung Volume recruitment and lung protective strategies of Mechanical Ventilation (60 min )	Keszler M
Inadvertent PEEP (30 min)	Simbruner G
<i>Break</i>	
Old disease emerging as new wine– Bronchopulmonary Dysplasia	Paul VK
Transitional Physiology and PPHN (60 minutes)	Aschner J
<i>Lunch</i>	
Novel Therapies for Pulmonary Hypertension (45 min)	Aschner J
Roentgenography in Pulmonary Disease	Paul VK
Round Table Discussion	Faculty