

PG1 8th European Postgraduate Course in Neonatal and Pediatric Intensive Care



DATES: June 23 – 24 **PLACE:** Palexpo Congress Center

ROOM: D

Scientific Committee Bendicht Wagner (Chairman), Denis Devictor, Niranjn Kissoon, Thomas Riedel, Peter Rimensberger, Sunit Singhi, Robert Tasker

Venue Palexpo, Geneva, Switzerland: Saturday, June 23, 2007, 14.00 and end Sunday, June 24, 2007, 16.30

Educational Credits Accredited by the European Accreditation Council for Continuing Medical Education (EACCME) for 9 hrs of European external CME credits that are recognized by the American Medical Association.
National CME Credits: Swiss Society of Emergency and Resuscitation Medicine (6 hrs), Swiss Society of Anesthesiology and Resuscitation (9.5 hrs), Swiss Society of Intensive Care (10 hrs), Swiss Society of Neonatology (16 hrs), and Swiss Society of Pediatrics (9.5 hrs)

Aims and Objectives of the Course

- The course will focus on the continuum of intensive care support from preclinical settings to tertiary care facilities. It will on the one hand discuss the intensivist's view of emergency medicine, triage and transportation of the critically ill or injured neonate and child. On the other hand it will teach initiation of maximal intensive care support in the specialized unit.
- The course will cover the most relevant topics in emergency intensive care in the form of very concise overview lectures. Discussion rounds will allow for debates and interactions between presenters and delegates.

By the end of the course the participant should

- apply PALS and Pediatric ATLS from an intensivist's point of view.
- know the different needs in preclinical settings, during transport, in emergency rooms and specialized units, and should anticipate the difficulties at the various interfaces.
- recognize, monitor and treat life-threatening non-specific organ insufficiencies such as respiratory failure, shock and coma.
- know how to implement as early as possible etiology-specific treatments such as in sepsis, trauma, airway disease, intoxication and so on.

Saturday 14.00 - 16.00 Outreach Intensive Care *Chair: Robert Tasker, UK*

14.00 - 14.10	Introduction	Aims and Objectives of the Course	<i>Bendicht Wagner, Switzerland</i>
14.10 - 14.30	The Pediatric Intensive Care Unit and Pediatric Emergency Department Interface	Continuum of Critical Illness in Children and Need of a Team Concept Collaboration and Communication during Treatment on Transport, in ER and into ICU	<i>Niranjn Kissoon, Canada</i>
14.30 - 15.00	Pediatric Transport: Epidemiology and Special Needs	What Diseases or Injuries of the Infant/Child? What Special Transport Needs?	<i>Robert Henning, Australia</i>
15.00 - 15:30	Neonatal Transport: Epidemiology and Special Needs	What Diseases (incl. Congenital Malformations, Extreme Prematurity)? What Special Transport Needs?	<i>Jean-Louis Chabernaud, France</i>
15.30 - 15.45	The in-hospital Fast Response Team	Effectiveness Task, Organization and Equipment	<i>Robert Tasker, UK</i>
15.45 - 16.00	Discussion: <i>Jean-Louis Chabernaud, France; Niranjn Kissoon, Canada; Robert Tasker, UK and Robert Henning, Australia</i>		

16.00 - 16.30 *Coffee Break*

16.30 - 18.00 Circulatory Failure in Preclinical and Hospital Settings *Chair: John Arnold, USA*

16.30 - 16.55	Management of Cardiogenic Shock	Fluids, Drugs, Mechanical Support Etiology-driven Early Treatment	<i>Desmond Bohn, Canada</i>
16.55 - 17.20	Sepsis Guidelines Including Neonatal Sepsis	Presentation/Discussion of New Guidelines Specific Aspects of Neonatal Sepsis (incl. Prematurity)	<i>Joseph Carcillo, USA</i>

17.20 - 17.45	Sepsis Management in Tropical Regions	Empiric Antimicrobial Treatment Specific Diagnosis / Treatments e.g. Malaria, Dengue Fever	<i>Charles Newton, Kenya</i>
17.45 - 18.00	Discussion: <i>Desmond Bohn, Canada; Joseph Carcillo, USA and Charles Newton, Kenya</i>		
Sunday 08.30 - 10.30	Respiratory Failure in Preclinical and Hospital Settings		Chair: Peter Rimensberger, Switzerland
08.30 - 08.50	The Essence in Basic Respiratory Support	Including Respiratory Mechanics and Waveform Interpretation, Lung Recruitment Maneuvers, and Pt Synchronization	<i>John Arnold, USA</i>
08.50 - 09.10	Upper Airway Obstruction	Intubation in less than ideal Situations Etiology-specific Aspects and Treatments: Epiglottitis, Laryngitis, Bacterial Tracheitis, Foreign Body Aspiration	<i>Andrew Argent, South Africa</i>
09.10 - 09.30	Management of Life-threatening Lower Airway Obstruction	Bronchiolitis Severe Asthma	<i>Niranjan Kissoon, Canada</i>
09.30 - 09.55	Treatment of Severe Postnatal Respiratory Failure	RDS incl. Extreme Prematurity, MAS, CDH	<i>Laurent Storme, France</i>
09.55 - 10.15	Non-conventional Treatments of Pediatric Severe Respiratory Failure	HFO, NO, Surfactant, ECMO	<i>John Arnold, USA</i>
10.15 - 10.30	Discussion: <i>John Arnold, USA; Niranjan Kissoon, Canada; Andrew Argent, South Africa and Laurent Storme, France</i>		
10.30 - 11.00	<i>Coffee Break</i>		
11.00 - 13.00	The Seriously Injured Child in Preclinical and Hospital Settings		Chair: Andrew Argent, South Africa
11.00 - 11.30	(Pediatric) Trauma Resuscitation /ATLS	Trauma-specific Resuscitation in the Field and ER	<i>Bertil Bouillon, Germany</i>
11.30 - 11.55	Damage Control	Avoid trias: Hypothermia, Bleeds, Acidosis Treat Massive Bleedings / When and how to delay surgery especially Abdominal-pelvic Trauma	<i>Victor Garcia, USA</i>
11.55 - 12.15	Head Trauma	Guidelines and More	<i>Robert Henning, Australia</i>
12.15 - 12.30	Chest Injury	Open-chest Resuscitation? Pneumothorax / Airway Lacerations / Cardiovascular Injuries	<i>Victor Garcia, USA</i>
12.30 - 12.45	Intoxications	Empiric Decontaminations Selected Specific Measures	<i>Andrew Argent, South Africa</i>
12.45 - 13.00	Discussion: <i>Bertil Bouillon, Germany; Victor Garcia, USA; Robert Henning, Australia and Andrew Argent, South Africa</i>		
13.00 - 14.30	<i>Lunch Break</i>		
14.30 - 16.30	The Intensivist's view		Chair : Niranjan Kissoon, Canada
14.30 - 14.55	Neonatal Advanced Life Support	What works, what might not, what else might be needed very early into resuscitation (inotropes..?)	<i>Jean-Louis Chabernaud, France</i>
14.55 - 15.25	Pediatric Advanced Life Support	What works, what might not, what else might be needed very early into resuscitation? Discuss Life-threatening Dysrhythmias	<i>Vinay Nadkarni, USA</i>
15.25 - 15.40	Temperature Control in the Critically Ill	What temperature goals in what situations?	<i>Bendicht Wagner, Switzerland</i>
15.40 - 16.10	Analgesia, Sedation and Muscle Relaxation in Critically Ill Neonates and Children	For Pain Control, Intubation and Invasive Ventilation	<i>Dick Tibboel, The Netherlands</i>
16.10 - 16:25	Discussion: <i>Jean-Louis Chabernaud, France; Vinay Nadkarni, USA; Dick Tibboel, The Netherlands, Bendicht Wagner, Switzerland</i>		
16.25 - 16.30	CLOSING REMARKS		<i>Bendicht Wagner, Switzerland</i>

