

WEDNESDAY 28 APRIL 2010

10:00 – 14:00	Registration	
14:00 – 18:00	Workshop 1 : High frequency Ventilation <i>Room: Rotary</i>	Workshop 2 : Simulation Scenarios: Acute Respiratory Failure and Difficult Airways <i>Room: Léman A</i>
18:00 – 19:00	Evening reception for all participants - <i>Lobby (sponsored by Draeger)</i>	

THURSDAY 29 APRIL 2010

08:00 – 12:00	Workshop 3 : Non-invasive ventilation in the preterm infant: From nCPAP to NIPPV <i>Room: Rotary</i>	Workshop 4 : Non-invasive ventilation in pediatric ICU: From basic to advances techniques <i>Room: Musique</i>	Workshop 5 : How to use respiratory monitoring for improving mechanical ventilation <i>Room: Club</i>
10:00 – 13:30	Check-in and Registration		
12:15 – 13:15	Lunch Symposium: How can a ventilator help to avoid non-pulmonary sequelae in the infant? (sponsored by CareFusion) - <i>Room: des Congrès</i>		
13:30 – 13:45	Opening Remarks: <i>Peter C. Rimensberger - Room: Léman A</i>		
13:45 – 14:30	Opening Lecture : Defining research priorities for acute neonatal and pediatric lung disease in the year 2010? <i>Steven Abman - Room: Léman A</i>		
14:30 – 15:30	Neonatal Respiratory Failure in 2010 - <i>Room: Léman A</i> Does understanding mechanisms allow preventing it? <i>Pierre-Henri Jarreau</i> The use of surfactant for RDS in 2010: «Guideline and Dilemmas» <i>Henri Halliday</i>		
15:30 – 16:00	Coffee break - <i>Exhibition Area</i>		
16:00 – 18:30	Acute and Chronic Lung Disease in the Neonate <i>Room: Léman A</i>	Ventilator Synchronization during Ventilatory Assist - <i>Room: des Congrès</i>	
19:00 – 21:00	Welcome reception - <i>Exhibition Area</i>		

FRIDAY 30 APRIL 2010

08:00 – 08:45	Physiologic Note: Pulmonary Circulation: How to assess, how to control? <i>Steven Abman - Room: Léman A</i>		
09:00 – 10:45	The Developing Lung <i>Room: Léman A</i>	How to Chose an Appropriate Ventilator Mode <i>Room: des Congrès</i>	
10:45 – 11:15	Coffee break - <i>Exhibition Area</i>		
11:15 – 12:40	Poster walks - <i>Room: Léman B & C</i>		
12:45 – 14:30	Lunch break - <i>Exhibition Area</i>		
12:50 – 14:20	Lunch Symposium: NAVA in the Clinical Setting (sponsored by Maquet) - <i>Room: des Fêtes</i>		
14:30 – 15:15	Key Note Lecture: The Morphometric basis of Lung function <i>Ewald Weibel - Room: Léman A</i>		
15:15 – 16:00	Coffee break - <i>Exhibition Area</i>		
16:00 – 18:00	Measuring and Targeting Tidal Volumes <i>Room: Léman A</i>	Sedation and Analgesia in the ICU <i>Room: des Congrès</i>	
18:45	Departure for the evening dinner		

SATURDAY 1 MAY 2010

09:00 – 09:45	Physiologic Note : Cardio-Pulmonary Interactions - <i>Room: Léman A</i>		
09:45 – 10:15	Coffee break - <i>Exhibition Area</i>		
10:15 – 12:45	Hot Topics in Pediatric and Neonatal Respiratory Care in 2010 - <i>Room: Léman A</i>		
	Closing Remarks: <i>Peter C. Rimensberger (Switzerland) - Room: Léman A</i>		

PRE-CONFERENCE WORKSHOP**WEDNESDAY, APRIL 28, 2010**

14:00 - 18:00 <i>Room:</i> <i>Rotary</i>	<p>WORKSHOP 1</p> <p>High Frequency Ventilation</p> <p>Supported by unrestricted educational grants by Acutronic, Draeger, Heinen+Löwenstein, NovaLung GmbH, SLE Ltd</p> <ul style="list-style-type: none"> - Basic concepts on HFV - How do the various machines work - Lung protection and optimizing lung volumes during HFOV - Clinical application of HFOV in the neonate and in the pediatric patient - Hands-on on various ventilators <p><i>Workshop-Leaders:</i> <i>Peter Rimensberger (Switzerland), David Tingay (Australia)</i></p>
14:00 - 18:00 <i>Room:</i> <i>Léman A</i>	<p>WORKSHOP 2</p> <p>Simulation Scenarios: Acute Respiratory Failure and Difficult Airways</p> <p>Supported by unrestricted educational grants by Laerdal and Truphatek</p> <p><i>Workshop-Leaders: Ralf Huth, Stefan Gehrig, Bernhard Schmid, Sülha Demirakca (Germany)</i></p>

THURSDAY, APRIL 29, 2010

08:00 - 12:00 <i>Room:</i> <i>Rotary</i>	<p>WORKSHOP 3</p> <p>Non-invasive ventilation in the preterm infant: From nCPAP to NIPPV</p> <p>Supported by an unrestricted educational grants by Ginevri, Hamilton Medical and Vtherm</p> <ul style="list-style-type: none"> - Update on BPD and strategies for prevention - Clinical use of CPAP and NIPPV in the preterm infant - How to start nasal ventilatory support in the preterm infant - Hands-on on equipment (CPAP devices, drivers and ventilators) and interfaces <p><i>Workshop-Leader: Amir Kugelmann (Israel)</i></p>
08:00 - 12:00 <i>Room:</i> <i>Musique</i>	<p>WORKSHOP 4</p> <p>Non-invasive ventilation in the pediatric ICU: From basic to advanced techniques</p> <p>Supported by an unrestricted educational grant by Maquet</p> <ul style="list-style-type: none"> - Basic concepts on NIV - How to begin NIV - Synchronisation during NIV - Failure Analysis - Common pediatric scenarios <p><i>Workshop-Leaders: Marti Pons, Alberto Jose Medina (Spain)</i></p>
08:00 - 12:00 <i>Room:</i> <i>Club</i>	<p>WORKSHOP 5</p> <p>How to use respiratory monitoring for improving mechanical ventilation</p> <p>Supported by an unrestricted educational grants by Radiometer and Stephan GmbH</p> <ul style="list-style-type: none"> - Basic understanding of respiratory mechanics and gas exchange - What can I monitor at bedside (techniques and devices) - How to use respiratory monitoring for first ventilator settings - How to use respiratory monitoring for improving ventilation - What else can respiratory monitoring tell me at bedside - Hands-on illustrations with lung models and ventilation simulation - Demonstration of new teaching tools about mechanical ventilation <p><i>Workshop-Leaders: Peter Rimensberger (Switzerland), Peter Schaller (Germany), Franz Wirth (Germany)</i></p>

MAIN CONFERENCE

THURSDAY, APRIL 29, 2010

10:00 - 13:30	Check-in and Registration	
12:15 - 13:15	Lunch Symposium (sponsored by CareFusion) How can a ventilator help to avoid non-pulmonary sequelae in the infant? <i>Nelson Claure (USA) and Tom Leenhoven (The Netherlands)</i> <i>Room: des Congrès</i>	
13:30 - 13:45	Opening Remarks <i>Peter C. Rimensberger (Switzerland)</i> <i>Room: Léman A</i>	
13:45 - 14:30	Opening Lecture Defining research priorities for acute neonatal and pediatric lung disease in the year 2010? <i>Steven Abman (USA)</i> <i>Room: Léman A</i>	
14:30 - 15:30	Neonatal Respiratory Failure in 2010 <i>Chairs: Amir Kugelman (Israel) and David Tingay (Australia)</i>	
14:30 - 15:00	Ventilator induced / associated lung injury in the NICU: Does understanding mechanisms allow preventing it? <i>Pierre-Henri Jarreau (France)</i> <i>Room: Léman A</i>	
15:00 - 15:30	The use of surfactant for RDS in 2010: "Guidelines and Dilemmas" <i>Henry Halliday (Ireland)</i> <i>Room: Léman A</i>	
15:30 - 16:00	Coffee break	
	<i>Room: Léman A</i>	<i>Room: des Congrès</i>
16:00 - 17:15	Acute and Chronic Lung Disease in the Neonate <i>Chairs: Paolo Tagliabue (Italy) and Laurent Storme (France)</i>	16:00 - 17:15 Ventilator Synchronization during Ventilatory Assist <i>Chairs: Peter Rimensberger (Switzerland) and Mark Heulitt (USA)</i>
16:00 - 16:25	Non-invasive ventilation in the neonate <i>Amir Kugelmann (Israel)</i>	16:00 - 16:25 Ventilatory assist: Basic principals and technical needs <i>Mark Heulitt (USA)</i>
16:25 - 16:50	Postnatal corticosteroids in preterm infants with RDS and / or BPD: Do we need to think about a patient specific approach? <i>Henry Halliday (Ireland)</i>	16:25 - 16:50 Ventilatory assist in the operating room <i>Achim von Goedecke (Austria)</i>
16:50 - 17:15	Ventilating the BPD patient <i>Steven Abman (USA)</i>	16:50 - 17:15 Ventilatory assist in the neonate <i>Anne Greenough (UK)</i>

THURSDAY, APRIL 29, 2010

	<i>Room: Léman A</i>		<i>Room: des Congrès</i>
17:15 - 17:30	OP1 / 40: Correlation between cytokines, bronchopulmonary dysplasia and modality of ventilation in preterm newborns: Improvement with melatonin treatment <i>Eloisa Gitto (Italy)</i>	17:15 - 17:45	Round Table Discussion
17:30 - 17:45	OP 1 / 7: Extracellular alveolar inhibition of secretory phospholipase A2 in neonatal and pediatric lung injury <i>Daniele De Luca (Italy)</i>		
17:45 - 18:00	OP 1 / 5: Lung recruitment manoeuvre with PEEP in preterm infants undergoing volume guarantee (VG) ventilation <i>Gianluca Lista (Italy)</i>	17:45 - 18:00	OP 2 / 39: Electrical impedance measurements for estimation of tidal volumes in neonatal piglets <i>Florian Kurth (Germany)</i>
18:00 - 18:15	Industry Presentation by Hamilton Medical: Technical evolution of nCPAP-systems <i>Ralf Huth (Germany)</i>	18:00 - 18:15	OP 2 / 41: Assessment of PEEP and posture-induced changes pulmonary mechanics by FOT in ventilated newborns <i>Emanuela Zannin (Italy)</i>
18:15 - 18:30	Industry Presentation by Draeger: Noise stress during non-invasive ventilation, a hidden factor <i>Frank van Rooyen (Germany)</i>	18:15 - 18:30	OP 2 / 42: Automated respiratory cycles selection improves the variability of respiratory mechanics monitoring <i>Vincent Rigo (Switzerland)</i>
19:00 - 21:00	Welcome Reception in the Exhibition Area		

FRIDAY, APRIL 30, 2010

08:00 - 08:45	Physiologic Note Pulmonary Circulation: How to assess, how to control? <i>Steven Abman (USA)</i> <i>Room: Léman A</i>		
	<i>Room: Léman A</i>		<i>Room: des Congrès</i>
09:00 - 10:45	The developing lung <i>Chairs: Thomas Berger (Switzerland) and Laurent Storme (France)</i>	09:00 - 10:00	How to choose an appropriate ventilator mode <i>Chair: Peter Rimensberger (Switzerland) and Ralph Huth (Germany)</i>
09:00 - 09:35	Angiogenesis in the developing lung <i>Steven Abman (USA)</i>	09:00 - 09:30	RSV Bronchiolitis: Which ventilator approach to choose? <i>Anne Greenough (UK)</i>
09:35 - 10:10	Influence of maturation of the lungs on susceptibility for VILI <i>Brian Kavanagh (Canada)</i>	09:30 - 10:00	How to choose the right patient for HFV <i>Casper Bollen (The Netherlands)</i>
10:10 - 10:45	New insights in perinatal lung water resorption and its clinical consequences <i>Riccardo Pfister (Switzerland)</i>	10:00 - 10:15	OP 3 / 19: Individual patient data meta-analysis: Novel approach to interpreting hfov trials in preterm infants <i>Filip Cools (Belgium)</i>
		10:15 - 10:30	OP 3 / 34: Combined conventional and high-frequency oscillatory ventilation in an animal model of lung injury <i>Atul Malhotra (Australia)</i>
		10:30 - 10:45	OP 3 / 8: Nebulised iloprost and noninvasive ventilation for postneonatal hypoxaemic respiratory failure with pulmonary hypertension: A pilot experience <i>Daniele De Luca (Italy)</i>
10:45 - 11:15	Coffee break		
11:15 - 12:40	Poster Walks – Room Léman B & C <i>Facilitators : Mark Heulitt, Paolo Tagliabue, Ralf Huth, Peter Rimensberger</i>		
12:45 - 14:30	Lunch break in the Exhibition Area		
12:50 - 14:20	Lunch Symposium (sponsored by Maquet) NAVA in the Clinical Setting <i>Jennifer Beck (Canada), Roberta Costa (Italy) and Peter Rimensberger (Switzerland)</i> <i>Room: des Fêtes</i>		
14:30 - 15:15	Key Note Lecture The morphometric basis of lung function <i>Ewald Weibel (Switzerland)</i> <i>Room: Léman A</i>		
15:15 - 16:00	Coffee break		

FRIDAY, APRIL 30, 2010

	<i>Room: Léman A</i>		<i>Room: des Congrès</i>
16:00 - 17:00	Measuring and Targeting Tidal Volumes <i>Chairs: Paolo Tagliabue (Italy) and Mark Heulitt (USA)</i>	16:00 - 16:30	Sedation and Analgesia in the ICU <i>Chairs: Süha Demirakca and Ralph Huth (Germany)</i>
16:00 - 16:30	Reliability of tidal volume measurements <i>Mark Heulitt (USA)</i>	16:00 - 16:30	Inhaled anesthetics in the ICU during mechanical ventilation <i>Andrew Wolf (UK)</i>
16:30 - 17:00	Volume targeted ventilation <i>Nelson Claure (USA)</i>	16:30 - 16:45	OP 5 / 16: Randomised trial of post extubation “elective” versus “rescue” nasal continuous positive airways pressure in infants following cardiac surgery <i>Ruth Wakeman (United Kingdom)</i>
		16:45 - 17:00	OP 5 / 11: Effects of VT _{CO2} and C _{dyn} guided lung recruitment and open lung ventilation on cardiac output <i>Angela Hanson (Sweden)</i>
17:00 - 17:15	OP 4 / 26: A pilot study of the effect of different lung recruitment manoeuvres at birth on gas exchange, lung mechanics and regional volume in a preterm lamb model <i>David Tingay (Australia)</i>	17:00 - 17:15	OP 5 / 20: Application of lung protective ventilation strategies in clinical practice <i>Casper Bollen (Netherlands)</i>
17:15 - 17:30	OP 4 / 14: Proof of concept: Mid-frequency ventilation in a live animal model <i>Mark Heulitt (United States)</i>	17:15 - 17:30	OP5 / 30: Results from early repair of congenital diaphragmatic hernia - should the debate over the timing of repair be revisited? <i>Jan Kelly (New Zealand)</i>
17:30 - 17:45	Industry Presentation by SLE Ltd: Noise reduction in the NICU during nCPAP using a novel variable flow nCPAP generator	17:30 - 17:45	Industry Presentation by Acutronic: Inhaled anesthetic gases: The Anaconda System <i>Roland Hotz (Switzerland)</i>
17:45 - 18:00	Industry presentation by Draeger: The benefits of volume guarantee in the NICU <i>Silke Bahr (Germany)</i>	17:45 - 18:00	Industry Presentation by Maquet Germany: NO revival in the air <i>Rainer Köbrich (Germany)</i>
18:45	Departure for the Evening Party Dinner Fairmont Montreux Palace Hotel Main Entrance		

SATURDAY, MAY 1, 2010**Room: Léman A**

09:00 - 09:45	Physiologic Note Cardio-Pulmonary Interactions <i>Thomas Luecke (Germany)</i>
09:45 - 10:15	Coffee break
10:15 - 12:45	Hot topics in pediatric and neonatal respiratory care in 2010 <i>Chairs: Paolo Tagliabue (Italy) and Thomas Berger (Switzerland)</i>
10:15 - 10:45	Respiratory care in the delivery room: "Gentle" or something else? <i>Arjan te Pas (The Netherlands)</i>
10:45 - 11:15	Suctioning the intubated neonate and infant <i>David Tingay (Australia)</i>
11:15 - 11:45	What about the evidence from ventilation trials? <i>Brian Kavanagh (Canada)</i>
11:45 - 12:45	Pediatric mechanical ventilation: Project for an European multicentre study <i>Martin Kneyber (The Netherlands)</i>
	Closing Remarks <i>Peter C. Rimensberger (Switzerland)</i>