



Preliminary Educational and Scientific Program

May 10 -11, 2023: *Pre-Conference Workshops*

Wednesday (May 10): 09'00 – 18'00

Thursday (May 11): 08'00 – 12'00

May 11-13, 2023: *Main Conference*

Thursday (May 11): 12'15 – 17'45

Friday (May 12): 08'15 – 17:50

Saturday (May 13): 08'15 – 12'30

W1 Newer ventilation modes and concepts in neonatal ventilation

- 09:00-09.30 *Volume Targeted Ventilation (David Tingay, Australia)*
- 09:30-10:00 *NAVA (TBN)*
- 10:00-10:30 *Open Lung Concept (Anton van Kaam, The Netherlands)*
- 10:30-10:45 *Q&A*
- 10:45-11:00 *Coffee break*
- 11:00-13:00 *3 hands-on stations (VTV/NAVA/OLC) with 3 rotating groups*

W2 Non-invasive ventilation for acute and chronic respiratory failure in children

- *To delay or prevent endotracheal intubation (TBN)*
- *For weaning (Padmanabhan Ramnarayan, UK)*
- *Longterm non-invasive respiratory support (Juerg Hammer, Switzerland)*

W3 vaECMO (workshop to be confirmed)

W4 How to set the ventilator: a practical approach to CMV and HFOV

- *Setting the ventilator for obstructive airway disease (TBN)*
- *Setting the ventilator for restrictive lung disease (Peter Rimensberger, Switzerland)*
- *Setting the oscillator in children (Martin Kneyber, The Netherlands)*
- *Setting the oscillator in newborns (TBN)*

W5 Non-invasive ventilation in prematurely born infants

- *HFNC*
- *nCPAP: devices, setting pressures*
- *NIPPV*
- *nHFOV (Daniele de Luca, France)*

W6 vvECMO (workshop to be confirmed)

W7 The use of various measures and monitoring concepts during mechanical ventilation in children and neonates

- *Monitoring gas exchange and what additional information can be gained from it (TBN)*
- *Monitoring patient-ventilator synchrony and patient effort during assisted breathing (Martin Kneyber, The Netherlands)*
- *Clinical application of the Forced Oscillation Technique (FOT) (Anna Lavizzari, Italy)*

W8 Closed loop oxygenation and its clinical application

- *How it has been developed*
- *Development of algorithms*
- *Various technical solutions*
- *Pitfalls*
- *Clinical outcome*

W9 Diagnosis and management of arrhythmias in the PICU/CICU (workshop to be confirmed)

- *Using the pacemaker*
- *Defibrillation*
- *Cardioversion*

from 10:30	Check-in and Registration
12:15 - 13:15	Lunch
13:30 - 13:35	Opening Remarks
	<i>Peter C Rimensberger (Switzerland)</i>
13:35 - 15:20	Opening Lectures 1: Today's perspective on landmark papers in neonatal respiratory failure
13:35-	52 years later: The 'Gregory box' (CPAP)
14:05	<i>Gregory GA et al. Treatment of the Idiopathic Respiratory-Distress Syndrome with Continuous Positive Airway Pressure. N Engl J Med 1971; 284:1333-1340</i> <i>Haresh Kirpalani, USA</i>
14:05-	43 years later: Surfactant for RDS
14:35	<i>Fujiwara T, Chida S, Watabe YJ, Maeta H, Morita T, Abe T. Artificial surfactant therapy in hyaline membrane disease. Lancet 1980;i: 55-59.</i> <i>Alan Jobe, USA</i>
14:35-	40 years later: Systemic steroids for BPD
15:05	<i>Mammel MC, Green TP, Johnson DE, Thompson TR. Controlled trial of dexamethasone therapy in infants with bronchopulmonary dysplasia</i> <i>Lancet. 1983 Jun 18;1(8338):1356-8. doi: 10.1016/s0140-6736(83)92139-6.</i> <i>Anton van Kaam, The Netherlands</i>
15:05-	Panel Discussion
15:15	
15:15 – 16:00	Coffee break
16:00 - 18:00	Opening Lectures 2: Today's perspective on landmark papers in mechanical ventilation
16:00 -	56 years later: Ashbaugh and ARDS definitions
16:30	<i>Ashbaugh D et al. The Lancet 1967; 290 (7511): 319-323</i> <i>Guillaume Emeriaud, Canada</i>
16:30-	25 years later: Lung protective ventilation
17:15	<i>Amato M et al. Effect of a protective-ventilation strategy on mortality in the acute respiratory distress syndrome. N Engl J Med 1998; 338:347-54</i> <i>TBN</i>
17:15-	10 years later: HFOV in the adult setting and what I have learned from it
17:45	<i>Niall Ferguson et al. High-Frequency Oscillation in Early Acute Respiratory Distress Syndrome. N Engl J Med 2013; 368:795-805</i> <i>Martin Kneyber, The Netherlands</i>
17:45-	Panel Discussion
18:00	
18:00 - 20:00	Welcome Reception in the Exhibition Area

08:15 – 08:55	Morning tutorial (1) Neonatal physiology for the intensivist (PICU/CICU) <i>David Tingay, Australia</i>	Morning Tutorial (2)	...
09.00-10:15			
Evolving concepts in mechanical ventilation	09:00- Pressurization rate during assisted breathing: does it matter? 09:30 TBN	Nutrition Management in respiratory care of the chronically supported and acutely supported infant/child	09:00- Nutritional support in neonates with respiratory support 09:30 TBN
09:30- Mechanical power or driving pressure and respiratory rate only? 10:00 TBN	09:30- Individualized nutrition strategies in pediatric mechanical ventilation 10:00 <i>Padmanabhan Ramnarayan, UK</i>	10:00- Roundtable discussion 10:15	10:00- Roundtable discussion 10:15
10:15 – 10:45	<i>Coffee break</i>		
10:45 – 12:00	Poster Walks	5 Oral presentations (pediatric topics)	5 Oral presentations (neonatal topics)
12:00 – 13:15	<i>Break</i>		
12:05 - 13:05	Lunch Symposium New techniques for optimizing patient care and ventilation strategy <ul style="list-style-type: none"> - Optimization of PEEP/MAP using FOT - Automated control of FiO2 for the newborn 		

13:15 - 13:55 Special Guest Lecture

Designing clinical trials in critical care: Do we have to rethink it?

*Alan Jobe, USA***14:00 - 15:30 Alternative ventilation modes and approaches**

14:00- Airway pressure release ventilation (APRV) in children:

14:30 Shall we forget it?

Saptharishi Lalgudi Ganesan (Canada)

14:30- The potential of closed-loop mechanical ventilation

15:00 *TBN*

15:00- Variable ventilation: are we ready for the bedside?

15:30 *Walid Habre, Switzerland***Hemodynamic controversies and challenges in the NICU**

14:00- PDA management: Where are we now?

14:30 *TBN*

14:30- Acute Pulmonary Hypertension: Can we learn from the PICU?

15:00 *TBN*

15:00- Pulmonary Hypertension and BPD

15:30 *TBN***15:30 – 16:00 Coffee break****16:00 - 18:00 PARDS and nARDS: Update on the PALICC 2 recommendations**

16:00- PARDS: any news on ventilator management

16:25 *Peter Rimensberger, Switzerland*

16:25- PARDS: Personalised medicine is next

16:50 *Martin Kneyber, The Netherlands*

16:50- PARDS: Controversies on Steroids and iNO

17:15 *Guillaume Emeriaud, Canada*

17:15- nARDS: Is it really different from PARDS?

17:40 *Daniele de Luca, France*

17:45- Panel discussion

18:00

Update on BPD

16:00- Definitions and Pathophysiology: Why haven't we got it right yet?

16:25 *Alan Jobe, USA*

16:25- Prevention and Prediction

16:50 *TBN*

16:50- Effects on long term development

17:15 *TBN*

17:15- How to do the long term follow up of the BPD patient

17:40 *TBN*17:45- *Panel discussion*

18:00

from 19:00 *Networking-Event*

08:15 – 08:55	Morning tutorial (3) Lung - Brain Interaction <i>Saptharishi Lalgudi Ganesan (Canada)</i>	Morning tutorial (4) ...
09:00 – 10:00	Pragmatic vs explanatory trials in paediatric and neonatal critical care	Airway management in the NICU/PICU: Evolving concepts
09:00-09:20	Lessons learned from the FIRST-ABC study <i>Padmanabhan Ramnarayan, UK</i>	09:00-09:20 SHINE - THRIVE: high flow nasal cannula oxygen for intubation in neonates and children Where are we? <i>TBN</i>
09:20-09:40	Adaptive Platform Trials in the NICU - barriers and benefits <i>TBN</i>	09:20-09:40 Any place for the laryngeal mask in the ICU <i>Arash Afshari, Denmark</i>
09:40-10:00	Big data to optimize ventilation strategies <i>David Tingay, Australia</i>	09:40-10:00 What can an Anaesthetist teach us? <i>Arash Afshari, Denmark</i>
10:00 - 10:30	<i>Coffee break</i>	
10:30 - 11:45	Respiratory and hemodynamic challenges in non-cardiac patients <i>(joint session EPNV, EPNCIC)</i>	
10:30-10:55	Acute Liver Failure <i>TBN</i>	
10:55-11:20	Sepsis <i>TBN</i>	
11.20-11:45	Asthma <i>Juerg Hammer, Switzerland</i>	
11:45-12:15	Closing lecture <i>(joint session EPNV, EPNCIC)</i> Permissive hypoxemia or hyperoxemia: Are they of any good? <i>TBN</i>	

Please note that this scientific program is preliminary and subject to changes!

(version 23.11.2022)