



**Preliminary Educational and Scientific Program**

**April 1-2, 2020: Pre-Conference Workshops**

Wednesday (April 1): 09'00 – 18'00

Thursday (April 2): 08'00 – 12'00

**April 2-4, 2020: Main Conference**

Thursday (April 2): 12'15 – 17'45

Friday (April 3): 08'15 – 18:00

Saturday (April 4): 08'15 – 12'30

**W1**

**PGC1**

**Understanding concepts, formulas and calculations relevant for mechanical ventilation**

(compliance, resistance, elastance, inertance, mechanical power, transpulmonary driving pressures, imposed work of breathing ...)

*Speakers: TBN*

*Coffee break (20 minutes between 10'30 and 11'30)*

**W2**

**Patient-ventilator asynchrony: How to recognize, how to minimize?**

*Workshop Leaders: TBN*

**PGC2**

**Lung function assessment in the neonatal and paediatric ICU and during follow-up: State of art and newer concepts**

*Speakers: TBN*

*Coffee break (20 minutes between 16'30 and 17'30)*

**W3**

**ECMO for respiratory failure**

*(with hands-on) limited to .... participants*

*Workshop leaders: Aparna Hoskote (UK), Peter Roelevelt (The Netherlands)*

**W4**

*TBA*

*Coffee break (20 minutes between 9'30 and 10'30)*

from 10:30	Check-in and Registration	
12.15 - 13:15	Lunch Symposium sponsored by... (TBA)	
13:30 - 13:35	<b>Opening Remarks</b>	
	<i>Peter C Rimensberger (Switzerland)</i>	
13:35 - 14:45	<b>Opening Lectures</b>	
13:35-14:10	<b>The hidden faces of invasive and non-invasive mechanical respiratory support in 2020:</b> From VILI to SILI, or assisting spontaneous breathing might not always be the best choice <i>(Antonio Pesenti, Italy)</i>	
14:10-14:45	<b>What is next in neonatal respiratory care?</b> <i>(Richard Martin, USA)</i>	
14:45 - 15:15	Coffee break	
15:15 - 18:00	<b>Respiratory ECMO: where are we in the year 2020?</b>	<b>Optimizing neonatal respiratory support: Do we have the tools?</b>
15:15 - 15:40	Controversial indications for respiratory ECMO – pushing the boundaries <i>(Angelo Polito, Switzerland)</i>	15:00 - Algorithm controlled targeting oxygenation and tidal volumes is enough ! 15:25 <i>(Peter Dargaville, Australia)</i>
15:40-16:05	Key parameters for recovery and successful ECMO run <i>(Aparna Hoskote, UK)</i>	15:25-15:50 Algorithm controlled targeting oxygenation and tidal volumes is not enough ! <i>(Anton van Kaam, The Netherlands)</i>
16:05-16:30	The yet unanswered questions for respiratory ECMO (what to do with ventilation during ECMO, ...) <i>(Antonio Pesenti, Italy)</i>	15:50-16:10 Rebuttal and Panel Discussion
16:30-16:55	Is there a role for Lung Function Monitoring for Tailoring Ventilation and Weaning in Neonatal ECMO TBN	16:10 - Oral Presentations (3) 16:55
16:55-17:20	Long term paediatric ECMO runs <i>(Gail Annich, Canada)</i>	16:55-17:20 We have the point of care tools we need, we are good clinicians ! <i>(David Tingay, Australia)</i>
17:20-17:50	No recovery, no hope of transplant: Pediatric view on therapy limitation <i>(Peter Roeleveld, Netherlands)</i>	17:20-17:45 We do not have the point of care tools we would need, we are not good enough as clinicians ! <i>(Anton van Kaam, The Netherlands)</i>
17:50-18:00	Panel Discussion	17:45-18:00 Rebuttal and Panel Discussion
18:00 - 20:00	Welcome Reception in the Exhibition Area	

<b>08:15 – 08:55</b>	<b>Morning tutorial (1)</b> Understanding respiratory physiology and mechanics during mechanical ventilation is essential (Antonio Pesenti, Italy)	<b>Morning Tutorial (2)</b> Control of breathing in the neonate (Richard Martin, USA)
<b>09:00-10:15</b>	<b>The diaphragm</b> <b>Chair</b> 09:00- Ventilator-induced diaphragmatic dysfunction (VIDD) and the concept of Diaphragm-Protective Mechanical Ventilation (TBN) 09:30 09:30- Assessing the diaphragmatic function is helping the neonatologist for clinical decision taking 10:00 (Jeroen Hutten, The Netherlands) 10:00- Oral Presentation (1) 10:15	<b>Non-invasive respiratory support</b> <b>Chair</b> 09:00- Oral Presentation (1) 09:15 09:15- Non invasive support in the neonate: When, how and how to pick the right patient? 09:45 (Charles Christoph Röhr, UK) 09:45- Non invasive support in the infant and child: When, how and how to pick the right patient? 10:15 (Christoph Milési, France)
<b>10:15 – 10:45</b>	Coffee break	
<b>10:45 – 12:00</b>	<b>Poster Walks</b>	<b>5 Oral presentations (pediatric topics)</b>
<b>12:00 – 13:15</b>	Break	
<b>12:05 - 13:05</b>	Lunch Symposium sponsored by... (TBA)	

<b>13:15 - 13:55 Guest Lecture</b>	
The challenge of longer term respiratory morbidity in former preterm infants: A consequence of our therapeutic interventions? (Richard Martin, USA)	
<b>14:00 - 15:30 Weaning mechanical ventilation in the PIU and NICU</b>	<b>News on surfactant in 2020</b>
14:00- Are weaning tests of any value? 14:30 (Martin Kneyber, The Netherlands)	14:00- Biophysics and function of pulmonary surfactants: What does the 14:30 clinician need to know ? (Jésus Pérez-Gil, Spain)
14:30- I extubated, what next? The view of the paediatric intensivist 15:00 (Christoph Milési, France)	14:30- New surfactants 15:00 (David Sweet, Ireland)
15:00- I extubated, what next? The view of the neonatologist 15:30 (Richard Martin, USA)	15:00- Surfactant as a carrier 15:30 Peter Dargaville, Australia
<b>15:30 – 16:00 Coffee break</b>	
<b>16:00 - 17:50 Airways</b>	<b>Hot Topics in the delivery room</b>
16:00- Direct laryngoscopy or video-laryngoscopy for intubation 16:25 in the ICU? (Walid Habre, Switzerland)	16:00- Time or physiology based cord clamping 16:25 (Arjan Te Pas, The Netherlands)
16:25- Uncuffed or cuffed endotracheal tubes: Still a matter of 16:50 debate ? (John Desmond Russel, Ireland)	16:25- PEEP and sustained inflation in the delivery room: Hype or Hope? 16:50 (David Tingay, Australia)
16:50- Congenital and acquired upper airway disorders: What is 17:20 new from the airway surgeon's point of view (Kishore Sandu, Switzerland)	16:50- Tidal volumes in the delivery room 17:15 (Arjan Te Pas, The Netherlands)
17:20- Tracheostomy in the PICU: Do we need a consensus? 17:45 (John Desmond Russel, Ireland)	17:15- Stimulating breathing in the delivery room 17:40 (Charles Christoph Röhr, UK)
17:45- Roundtable discussion 18:00	17:40- Oral Presentation (1) 17:55
<b>from 19:30 Networking-Event</b>	

<b>08:30 - 09:15</b>	<b>Morning tutorial (3)</b> Cardiopulmonary interactions: The essentials (Peter Rimensberger, Switzerland)	<b>Morning tutorial (4)</b> Managing the chronically ventilated child in the ICU and at home TBC
<b>09:15 – 09:45</b>	Coffee break	
<b>09:45 - 11:25</b>	<b>Clinical trials and outcome analysis beyond 2020</b>	
09:45- 10:10	What are relevant outcome measures in paediatric mechanical ventilation studies (Annich Gail, Canada)	
10:10- 10:35	Are p-values out-dated as a statistical mean for randomized controlled trials TBN	
10:35- 11:00	Single intervention, single outcome (in neonatal trials) ? (Anton van Kaam, The Netherlands)	
11:00- 11:25	Oenomics in paediatric and neonatal mechanical ventilation (David Tingay, Australia)	
<b>11:25 - 12:15</b>	<b>Closing Lectures</b>	
11:25- 11:50	Neonatal respiratory failure, it is not all about mechanical ventilation (David Sweet, Ireland)	
11:50- 12:15	Paediatric respiratory failure: It is not all about mechanical ventilation (TBN)	

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

(version 15/08./19)