



Preliminary Educational and Scientific Program

October 21-22, 2026: Pre-Conference Workshops

Wednesday (October 21): 14'00 – 18'00

Thursday (October 22): 08'00 – 12'00

October 22-24, 2026: Main Conference

Thursday (October 22): 12:15 – 18'00

Friday (October 23): 08'15 – 18:00

Saturday (October 24): 08'15 – 12'15

W1 Understanding neonatal ventilators and their modes

How does a ventilator work
The control variables
Ventilator modes and taxonomy made easy
What does a ventilator need as information to work correctly
What can we derive from the ventilator screen (time constant concept, synchronization issues)
High frequency ventilation in the pressure or volume mode: What is the difference, what do I have to set, what do I have to watch out for?
Various ventilator modes: are there some specific indications to use one or the other (including HFOV and HFOV-VG)

Faculty: Anna Lavizzari, Italy; David Tingay, Australia; Anton van Kaam, The Netherlands

W2 Advanced concepts and technologies for respiratory support

Automated Oxygen Control
Adaptive Mechanical Ventilation
Proportional Ventilatory Assist (NAVA, NeuroPAP)

Faculty: Peter Dargaville, Australia; Guillaume Emeriaud, Canada; Martin Kneyber, The Netherlands

Pre-Congress Workshops (2)

Thursday, October 22, 2026 08.00 - 12.00

W3 Lung recruitment and optimal airway pressure titration during conventional and high frequency ventilation: Concept, tools and practice

Understanding the concept of PEEP or mean airway pressure titration for lung volume optimisation during conventional and high frequency oscillatory ventilation
The tools to guide recruitment manoeuvres and lung volume optimisation at bedside (So2, S/F-ratio, pCO2 (tcPCO2), dynamic lung mechanics assessment, FOT, LU and EIT)

Faculty: Anna Lavizzari, Italy; Martin Kneyber, The Netherlands; David Tingay, Australia; Peter Rimensberger, Switzerland)

W4 Educational Workshop with case illustrations on how to ventilate

Congenital diaphragmatic hernia (CDH)
Meconium aspiration syndrome (MAS)
Bronchopulmonary dysplasia (BPD) patients in practice

Faculty: Peter Dargaville, Australia; Jacob Eschweiler, Germany; Arun Sett, Australia

Day 1: Thursday, October 22, 2026

from 10:30 Check-in and Registration	
12:15 – 13:15 Lunch Symposium	
13:30 - 13:35 Opening Remarks <i>Peter C Rimensberger, Switzerland</i>	
13:35 - 15:30 Opening Session Chronic lung disease: from the neonate to the adult	
13:35-	The early origin of lung disease
14:00	<i>Steven Abman, Denver, USA</i>
14:00-	BPD prediction models in preterm infants: Do they work, are they of clinical importance?
14:25	<i>Wes Onland, Amsterdam, The Netherlands</i>
14:25-	Precision medicine for infants with BPD: Has the time come for it?
14:50	<i>Marielle Pijnenburg, The Netherlands</i>
14:50-	An adult's pulmonologist perspective on BPD (or: Early-life origins of COPD)
15:15	<i>Daiana Stolz, Freiburg, Germany</i>
15:15-	Panel Discussion: On what should we focus on to reduce the incidence of BPD in the future?
15:30	
15:30 - 16:15 Coffee break	
16:15 - 18:00 Hot topics in respiratory critical care	
16:15-	OP 1: Severity of Lung Hypoplasia in Newborns with Left-
16:30	Sided Congenital Diaphragmatic Hernia influences preoperative PEEP guided with Electrical Impedance Tomography <i>Lukas Tom Schroeder, Bonn, Germany</i>
16:30-	The PROSpect trial
16:55	<i>Martin Kneyber, Groningen, The Netherlands</i>
16:55-	Are formulas to set tidal volume in ARDS
17:20	patients generalisable? Learning from the adults. <i>Aartik Sarma, San Francisco, USA</i>
17:20-	Lung protective ventilation concepts in patients without
17:45	ARDS <i>Marcus Schultz, St. Gallen, Switzerland</i>
17:45-	Panel Discussion: What are the remaining major
18:00	unknowns in mechanical ventilation?
Supporting pulmonary transition in the DR: Ongoing controversies	
16:15-	The cord controversy
16:40	<i>Arjan te Pas, Leiden, The Netherlands</i>
16:40-	The oxygen controversy
17:05	<i>Peter Dargaville, Australia</i>
17:05-	The POLAR trial
17:30	<i>David Tingay, Melbourne, Australia</i>
17:30-	Panel Discussion: To intubate or not – does this effect outcome?
17:45	
17:45-	Panel Discussion: Should PEEP titration become standard of care?
18:00	
18:00 - 19:30 Welcome Reception in the Exhibition Area	

Day 2 (morning): Friday, October 23, 2026

08:15 - 08:55	Morning tutorial (1): Lung and diaphragm protective ventilation: What do we know? <i>Martin Kneyber, Groningen, The Netherlands</i>	Morning tutorial (2): Monitoring transition and resuscitation in the delivery room: Are ECG and SpO2 enough? <i>David Tingay, Melbourne, Australia and Arjan te Pas, Leiden, The Netherlands</i>
09.00 - 10:15	Non-invasive respiratory support in the PICU: Clinical experience versus evidence. 09:00- What is the role of HFNO-therapy? 09:25 <i>Florent Baudin, Lyon France</i> 09:25- Non-invasive ventilation in children: A close look to the data 09:50 <i>Guillaume Emeriaud, Montreal, Canada</i> 09:50- Non-invasive respiratory support: What can we learn from adult practices? 10:15 <i>Marcus Schultz, St. Gallen, Switzerland</i>	Personalizing respiratory care in the NICU 09:00- Tailoring neonatal respiratory support: Do we have good tools? 09:25 <i>Anna Lavizzari, Milan, Italy</i> 09:25- Postnatal corticosteroids to prevent BPD: who should we treat? 09:50 <i>Anton van Kaam, Amsterdam, The Netherlands</i> 09:50- PDA closure: On which indicators shall we rely on? 10:15 <i>TBN</i>
10:15 – 10:45	<i>Coffee break</i>	
10:45 – 12:00	Poster Walks Pediatric: Facilitators: Abstracts: Neonatal 1: Facilitators: Abstracts: Neonatal 2: Facilitators: Abstracts:	Oral presentations (pediatric topics) Chairs: OP 2: Lung deflation and recruitment: clinical responses to high-flow oxygen titration in bronchiolitis <i>Robert Guglielmo, Loma Linda, USA</i> OP 3: Cumulative respiratory burden in extremely preterm infants and airway function at 15 years: an exploratory study <i>Yannick Regin, Leuven, Belgium</i> OP 4: EIT-based ventilation phenotyping during peep titration in neonatal and pediatric ards: a feasibility study <i>Johanna Moersdorf, Bonn, Germany</i> OP 5: Early postoperative atelectasis is associated with prolonged invasive mechanical ventilation and PICU stay after pediatric cardiac surgery <i>Jannes Olgers, Leiden, The Netherlands</i> Oral presentations (neonatal topics) Chairs: OP 6: Surfactant delivery via a preterm-sized supraglottic airway in infants weighing 800–1500 g: a feasibility study <i>Mårten Larsson, Gothenburg, Sweden</i> OP 7: Evolution of regional ventilation in preterm infants on non-invasive neurally adjusted ventilatory assist: a prospective observational study <i>Julie Lefevere, Jette, Belgium</i> OP 8: Ultrasound-assessed lung aeration and oxygenation during alveolar recruitment of patients with neonatal acute respiratory distress syndrome supported with OHF <i>Nunzia Pia Manganelli, Paris, France</i> OP 9: A survey of Australian and New Zealand neonatal intensive care units' exogenous surfactant therapy practices <i>Frederique Niamh Donnelly, Parkville, Australia</i> OP 10: Lung volume optimization during ECMO in neonatal acute respiratory distress syndrome: a matched-pair cohort study <i>Jan-Christoph Clausen, Berlin, Germany</i>

12:00 – 13:15 *Lunch Break*

12:05 - 13:05 *Lunch Symposium*

Day 2 (afternoon): Friday, October 23, 2026

13:15 –13:55 Guest Lecture

Chairs:

Vascular impact of neonatal respiratory disease

Steven Abman, Denver, USA

14:00 - 15:30 Controversies in respiratory critical care

14:00- Is there a place for corticosteroids in PARDS?

14:25 *Florent Baudin, Lyon, France*

14:25- P-SILI: does it really exist?

14:50 *Lise Piquillod, Lausanne, Switzerland*

14:50- **OP 11:** Temporal changes of patient ventilator asynchrony in the
15:05 first 7 days of intubation in the paediatric intensive care unit.

Douwe van der Steen, Groningen, The Netherlands

15:05- What to do when the recommended classical targets of lung-
15:30 protective ventilation cannot be achieved?

Peter Rimensberger, Geneva, Switzerland

Non-invasive respiratory support in the neonate

14:00- **OP 12:** CPAP beyond PEEP: EIT evidence comparing short soft and
14:15 standard binasal prongs - randomized cross-over study

Walusa Assad Gonçalves-Ferri, São Paulo, Brazil

14:15- Non-invasive respiratory support: Does the mode and the strategy
14:40 matter?

Peter Dargaville, Hobart, Australia

14:40- nHFV: A new trend or something more?

15:05 *Daniele de Luca, Paris, France*

15:05- 50 years after Gregory, where to next with NIV?

15:30 *Arjan te Pas, Leiden, The Netherlands*

15:30 - 16:00 Coffee break

16:00 - 18:00 Future directions for respiratory monitoring in children and neonates

16:00 - Monitoring the diaphragm

17:00 - The value of monitoring the diaphragm in the neonate

Hanna Soukka, Turku, Finland

- The importance of monitoring the diaphragm in mechanically ventilated children

Guillaume Emeriaud, Montreal, Canada

Panel discussion

17:00 - Lung imaging methods at bedside

18:00 - Lung ultrasound

Arun Sett, Melbourne, Australia

- Electrical Impedance Tomography

Inez Frerichs, Kiel, Germany

Panel discussion

from 19:00 Networking Event

Day 3 (morning): Saturday, October 24, 2026

08:15 – 08:55 Morning tutorial (3) How can bedside respiratory monitoring help to guide ventilatory settings: Learning from the adults <i>Lise Piquillod, Lausanne, Switzerland</i>	Morning tutorial (4) Following the preterm lung: long-term outcomes and emerging challenges, <i>Elianne Vrijlandt, Groningen, The Netherlands</i>
09:00 – 10:15 Things we might have to focus on better 09:00- Follow-up of ventilated children beyond the ICU 09:25 <i>Guillaume Emeriaud, Montreal, Canada</i> 09:25- ARDS Phenotypes and how do they matter for clinical practice 09:50 <i>Aartik Sarma, San Francisco, USA</i> 09:50: Ventilator liberation: The major research gaps 10:15 <i>Martin Kneyber, Groningen, The Netherlands</i>	How and when? 09:00- Closed loop oxygen control: Should it be standard of care? 09:25 <i>Peter Dargaville, Hobart, Australia</i> 09:25- How and when to wean from non-invasive respiratory support 09:50 <i>Anna Lavizzari, Milan, Italy</i> 09:50: Oxygen treatment and weaning oxygen in infants with bronchopulmonary dysplasia 10:15 <i>Wes Onland, Amsterdam, The Netherlands</i>
10:15 – 10:45 <i>Coffee break</i>	
10:45 - 12:15 Past, Present, and Beyond: Shaping the Future of Paediatric and Neonatal Respiratory Critical Care 10:45- Neonatal and Pediatric mechanical ventilation: how it has been and what it is today 11:15 <i>Peter Rimensberger, Geneva, Switzerland</i> 11:15- New physiology-based concepts in neonatal mechanical ventilation 11:45 <i>Daniele de Luca, Paris, France</i> 11:45- The key events in PHT management 12:15 <i>Steven Abman, Denver, USA</i>	
12:15	Closing

Preliminary program subject to change (28.8.2026)