

Program

Thursday October 8

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| 07.30-08.30 | Registration |
| 08.30-08.35 | Welcome and opening <i>R.M.F. Berger</i> |
| 08.35-10.30 | What is Pediatric Pulmonary Vascular Disease...? <i>Chairs: S. Abman & W. Zijlstra</i> |
| 08.35 | The clinical spectrum of pulmonary vascular diseases in neonates, infants, children and adolescents <i>M. del Cerro, Madrid, Spain</i> |
| 09.05 | Recent progress in understanding the pathobiology of PAH: new treatment options to be expected? <i>R. Schermuly</i> |
| 09.35 | Genetics of pulmonary vascular disease: pediatric colours <i>M. Kerstjens, Groningen, The Netherlands</i> |
| 10.00 | Pediatric populations at risk: Which infants and children are at risk for PVD? <i>I. Adatia, Edmonton, Canada</i> |
| 10.30-11.00 | Break |
| 11.00-12.30 | RV performance: It's all about interaction.... <i>Chairs: D. Ivy & R. Borgdorff</i> |
| 11.00 | RV adaptation to pressure load in pulmonary vascular disease <i>B. Bartelds, Groningen, The Netherlands</i> |
| 11.30 | RV coupling with the diseased pulsatile pulmonary circulation <i>R. Naeije, Bruxelles, Belgium</i> |
| 12.00 | RV interdependence and interaction with the LV in pulmonary hypertension <i>T. Delhaas, Maastricht, The Netherlands</i> |
| 12.30-13.30 | Lunch Break, including: |
| 13.00-14.00 | Rapid Fire Session (in lunch area) |
| | Poster Presentations <i>Chair: B. Bartelds</i> |
| 14.00-15.15 | Pulmonary vascular disease in bronchopulmonary dysplasia: The story of the chicken and the egg <i>Chairs: J. Fineman & K. Bergman</i> |

- 14.00 Lung development in health and disease *D. Tibboel, Rotterdam, The Netherlands*
- 14.25 Early pulmonary vascular disease in neonates at risk for BPD *S. Abman, Denver, CO, US*
- 14.50 Current trends in diagnosis and treatment of PVD associated with BPD *B. Hanna, Philadelphia*

15.15-15.45 Break

15.45-16.15 Rapid Fire Session (in lunch area) Chair: R.M.F. Berger

Hot debate: Clinical Classification for neonatal and pediatric PVD: should we follow the WSPH-classification for adults with PH?

Pro *D. Ivy, Denver, CO, US* Con *M. del Cerro, Madrid, Spain*

16.30-18.00 Workshops

Workshop 1

Exercise testing in children with pulmonary vascular disease *T. Takken, Utrecht, The Netherlands, A. Hager, Muenchen, Germany*

Workshop 2

How and when to perform an adequate and safe right heart cath in pedPH *V. Cernak, Groningen The Netherlands, R.M.F. Berger, Groningen The Netherlands*

Workshop 3

When to consider pulmonary vascular disease? Need-to-know facts for

(non-)PH-experts

The various faces of PVD *M. Roofthoof, Groningen, The Netherlands M. Kerstjens, Groningen, The Netherlands*

Friday October 9

08.00-08.30 Registration

08.30-10.00 **Diagnostic tools in pulmonary vascular disease: New wines in old bottles?** *Chairs: M. Beghetti & M. Roofthoof*

08.30 Pulmonary vascular dynamics: of additional value in the clinical assessment of paediatric PVD? *M. Douwes, Groningen, The Netherlands*

09.00 MRI, conventional or advanced imaging? *S. Moledina, London. Great Britain*

09.30 The promise of biomarkers and ECFC's *H.J. Bogaard, Amsterdam, The Netherlands*

10.00 Smart trial designs in pediatric PAH *A. El-Gazayerly, Utrecht, The Netherlands*

10.30-11.00 **Break**

11.00-12.00 **Pulmonary vascular disease in the Neonatal and Pediatric ICU:** *Chairs: T. Humpl & B. Hanna*

11.00 How to treat a neonate with refractory PH (PPHN, CDH, lung hypoplasia)

- Pharmacological options
- Balancing oxygenation vs ventilatory lung injury
- Supportive measurements

I. Reiss, Rotterdam, The Netherlands

11.30 How to recognize and treat a failing right ventricle?

- Pharmacological treatment options
- Circulatory support- or replacement devices

E. da Cruz, Denver, CO, US

12.00-12.30 **Rapid Fire Session (in lunch area)** *Chair: R Naeije*

Hot debate: The Potts shunt is a preferred alternative to lung transplantation in end-stage PAH

Pro *D. Bonnet, Paris, France* Con *T. Humpl, Toronto, Canada*

12.30-14.00 Lunch break

13.30-14.00 Rapid fire session (in lunch area) Chair: E. da Cruz

Hot debate: Cardiac catheterisation should be part of the standard follow-up in children with PAH

Pro *M. Beghetti* con *I. Adata*

14.00-15.30 Blood flow, shear stress and pulmonary vascular disease

(Phaedra-session) Chairs: *R. Schermuly & D. vd Feen*

14.00-14.30 Effects of increased blood flow in the pulmonary circulation J. Fineman, San Francisco, CA, US

14.30-15.00 Flow-disturbance in PAH and the TGFb/BMP axis in the pulmonary Endothelium J.R. Moonen, Stanford, CA, US

15.00-15.30 Any progress in the understanding of reversibility of flow-associated PAH? D. vd Feen, Groningen, The Netherlands

Parallel session (room 17):

14.00-15.30 Clinical Nursing Practice and Psychosocial Assessment: Tools, Tips and Opportunities.

14.00 QI project: the comfort level of bedside nurse in the management of IV prostacyclines *A. Brown, Nashville, US*

14.20 Pain management in SQ trepostinil therapy *C. van Aken, Leuven, Belgium*

14.40 Screening and addressing psychosocial distress: How to do it? *V. Kelly, London, Great Britain*

15.00 Nutritional status and energy intake in children with PAH *T. Vissia-Kazemier, Groningen*

15.30-16.00 Break

16.00-17.00 A child with pulmonary arterial hypertension: What to expect, how to predict and when to act...? Chairs: D. Bonnet & R.M.F. Berger

- 16.00 Predictors, treatment goals and clinical endpoints in pediatric PAH *M. Ploegstra, Groningen, The Netherlands*
- 16.20 New drugs for PAH: opportunities in the pediatric age group *M. Beghetti, Geneva, Switzerland*
- 16.40 New treatment strategies in pediatric PAH: combination, upfront , sequential; hybrid? *D. Ivy, Denver, CO, US*

17.00 Closure and farewellnight: the Groningen Experience

Ever wondered why Groningen is listed 1st as city to live in the Netherlands?
Thought about why the city is a magnet for students and foreigners alike?

Probably not.

Well, now it's time to change that!
Hereby you are cordially invited to our "Who wants to be a Groninger" quiz.
This once in a lifetime quiz, gives you the opportunity to learn everything you ever wanted to know about the Pride of the North. During the evening we'll take you on a tour through Groningen. Several restaurants will serve local specialities such as bitterballen, cheese and craft beer.

We look forward to meeting you!