



PROGRAM Vital mOnitoring & uLTrasound (VOLT)
The new LAUNCH 2024

17th November 2024

PRE CONGRESS COURSES

Masterclasses/hands-on to be decided

18th November 2024

8.25 - 8.30 Greeting and introduction – Prof. Daniele De Luca

BRAIN and LUNG - Chairs: Francesco Raimondi, Karl Schettler

8.30 - 8.50 Discovering desaturations to be seizures
Dr. Karl Schettler (Munich, Germany)

8.50 - 9.10 Glucose and cerebral regional saturation: new ways to look at the brain?
Prof. Luca Ramenghi (Genova, Italy)

9.10 - 9.30 Not only the brain: effect of hypothermia on lung aeration and function
Prof. Daniele De Luca (Paris, France)

9.30 - 9.45 Q&A

HEART and LUNG - Chairs: Shazia Bhombal, Fabio Mosca

9.45 - 10.05 Lung ultrasound and multiorgan failure for congestive overflow
Dr. Luna Gargani (Pisa, Italy)

10.05 - 10.25 Heart and lung ultrasound findings associated with BPD
Dr. Almudena Alonso-Ojembarrena (Cadiz, Spain)

10.25 - 10.45 Ultrasound monitoring heart and lung during ECMO
Dr. Matteo Di Nardo (Roma, Italy)

10.45 – 11.00 Q&A

11.00 - 11.15 COFFEE BREAK

LUNG ULTRASOUND AND MALFORMATIONS - Chairs: Alexis Davis, Corrado Moretti

11.15 - 11.35 Lung ultrasound finding and monitoring of congenital diaphragmatic hernia



Prof. Maria Fraga (Philadelphia-PA, USA)

11.35 - 11.55 Lung ultrasound finding of congenital pulmonary adenomatous malformation

Dr. Almudena Alonso-Ojembarrena (Cadiz, Spain)

11.55 - 12.10 Q&A

12.10 – 13.00 Abstract presentation

13.00 – 14.00 LUNCH BREAK

ULTRASOUND GUIDELINES - Chairs: Maria Fraga, Eugenio Baraldi

14.00 - 14.20 Update on American Society of Echocardiography POCUS guidelines

Prof. Shazia Bhombal (Atlanta-GE, USA)

14.20 - 14.40 The ESICM-ESPNIC consensus on Quantitative Lung Ultrasound in adult, children and neonates

Dr. Silvia Mongodi (Pavia, Italy)

14.40 -15.00 The SIAARTI-SARNEPI-SIN clinical practice guidelines on lung ultrasound in ICU

Prof. Luigi Vetrugno (Chieti, Italy)

15.00 - 15.15 Q&A

15.15 - 15.30 BREAK

ULTRASOUND AND PROCEDURES: SHORT UPDATES - Chairs: Maria Fraga, Daniele Biasucci

15.30 - 15.45 Ultrasound to guide arterial cannulation
Prof. Alexis Davis (Stanford, Palo Alto-CA, USA)

15.45 - 16.00 Ultrasound to guide lumbar puncture
Prof. Maria Fraga (Philadelphia-PA, USA)

16.00 - 16.15 Ultrasound to guide CICC placement
Dr. Mauro Pittiruti (Roma, Italy)

16.15 - 16.30 Q&A

16.30 – 17.30 Abstract presentation



19th November 2024

KIDNEY AND LUNG - Chairs: Valerie Chock, Matteo Di Nardo

9.00 - 9.20 Lung ultrasound vs auscultation during CRRT: the LUST study
Dr. Luca Gargani (Pisa, Italy)

9.20 - 9.30 Cardiogenic pulmonary edema monitored with lung ultrasound: the LUCAS study
Dr. Javier Rodriguez Fanjul (Tarragona, Spain)

9.30 - 9.50 The best catheter size to provide CRRT to neonates and infants with fluid overload and lung edema
Prof. Zaccaria Ricci (Firenze, Italy)

9.50 - 10.05 Q&A

ULTRASOUND AND SURFACTANT - Chairs: Manuel Sanchez-Luna, Luca Bonadies

10.05 - 10.25 Ultrasound-guided surfactant replacement: from the preterm to the term baby
Prof. Francesco Raimondi (Napoli, Italy)

10.25 - 10.45 Ultrasound-guided alveolar recruitment in the neonate: what do we know?
Prof. Daniele De Luca (Paris, France)

10.45 - 11.05 Lung ultrasound to predict CPAP and NIV weaning. Is it possible?
Dr. Almudena Alonso-Ojembarrena (Cadiz, Spain)

11.05 - 11.20 Q&A

11.20 - 11.35 COFFEE BREAK

IMAGING, MONITORING AND BPD - Chairs: Manuel Sanchez-Luna, Carlo Dani

11.35 - 11.55 Phenotypization of severe BPD by CT-scan and echocardiography
Prof. Haresh Kirpalani (Philadelphia-PA, USA)

11.55 - 12.15 Long-term ultrasound characterization of BPD
Dr. Marilena Savoia (Udine, Italy)

12.15 - 12.35 NAVA monitoring in babies with evolving BPD
Prof. Peter Rimensberger (Geneve, Switzerland)



12.35 - 12.50 Q&A

13.00 – 14.00 LUNCH BREAK

SPECIAL SESSION ON NIRS - Chairs: Jayanta Banerjee, Luca Ramenghi

14.00 - 14.20 *NIRS to detect and predict AKI*
Prof. Valerie Chock (Stanford, Palo Alto-CA, USA)

14.20 - 14.40 Cerebral oxygen saturation during delivery room resuscitation: news from the COSGOD-III trial
Dr. Gerard Pichler (Wien, Austria)

14.40 – 15.00 Lung NIRS: a new potentially useful application?
Prof. Carlo Dani (Firenze, Italy)

15.00 - 15.20 Secondary outcomes of the TOP NIRS trial
Prof. Haresh Kirpalani (Philadelphia-PA, USA)

15.20 - 15.35 Q&A

15.35 - 15.50 BREAK

LAUNCH INNOVATION AWARD presented by Prof. Daniele De Luca

16.15 - 16.45 Awardee's Lecture: The development of neonatal extracorporeal CRRT
Prof. Claudio Ronco (Vicenza, Italy)

ABSTRACT SESSION - Chairs: Francesco Raimondi, Daniele Biasucci

16.45 - 17.45 Abstract presentation

20th November 2024

HOT TOPICS: ONGOING TRIALS IN NEONATAL PULMONOLOGY Chairs: Carlo Dani, Daniele De Luca

9.00 - 9.20 Lung ultrasound surfactant replacement: LUNG international randomized controlled trial
Dr. Iuri Corsini (Firenze, Italy)

9.20 - 9.40 hu-r-SP-D (zepultide-alpha) to prevent BPD: behind the phase II/III trial
Dr. Marc Salzberg (Marietta-GA, USA)

9.40 - 10.00 hu-r-IGF1 to prevent BPD: behind the FOOTPRINT trial



Dr. Victoria Niklas (Los Angeles-CA, USA)

10.00 - 10.15 Q&A

ROUND TABLE ON ADVANCED HAEMODYNAMICS MONITORING TECHNIQUES

Chairs: Almudena Alonso-Ojembarrena, Stefano Martinelli

10.15 - 10.35 Regional impedance cardiography
Dr. Jayanta Banerjee (London, UK)

10.35 - 10.55 Electrical cardiometry and perfusion index
Prof. Daniele De Luca (Paris, France)

10.55 - 11.15 Echocardiography and VExUS
Dr. Daniele Biasucci (Rome, Italy)

11.15 - 11.35 USCOM
Prof. Maria Fraga (Philadelphia-PA, USA)

11.35 - 12.00 Round table discussion

12.00 - 12.10 **WRAP UP AND CONCLUSIONS**
Prof. Daniele De Luca