

Scientific Program

19th October 2023

08.25 GREETINGS and INTRODUCTION - Prof. Daniele De Luca

08:30 OPENING LECTURES

**Can we use big data do understand and monitor a single patient
In ICU?**

(Maurizio Cecconi – Milan, Italy)

I Session – *There is no air here! Lung ultrasound and consolidations*

Chair: Nadya Yousef - Paris, France & Francesco Mojoli - Milan, Italy

08:50 News in lung ultrasound in 2023: where are we?
(Daniel Lichtenstein- Paris, France)

09:10 Size of consolidations in neonates: does it matter?
(Daniele De Luca - Paris, France)

09:30 Can lung ultrasound distinguish different type of consolidations?
(Silvia Mongodi - Pavia, Italy)

09:50 **Q&A**
Followed by 5 min **technical break**

II Session - *“Lung” ultrasound does not monitor the lung only*

Chair: Francesco Raimondi Naples, Italy & Fabio Mosca
Milan, Italy

10:10 Lung ultrasound and multiorgan failure for congestive overflow
(Luna Gargani - Pisa, Italy)

10:30 Lung ultrasound for monitoring the hemodynamically significant PDA
(Almudena Alonso – Ojembarrena - Cadiz, Spain)

- 10:50 CXR or ultrasound to estimate wedge pressure and define congestive lung edema?
(Daniele Biasucci - Rome, Italy)
- 11:10 Q&A
Followed by 15 min **coffee break**
- III Session - Monitoring brain and lung: it is all connected!**
Chair: Shazia Bhombal - Atlanta-GE, USA & Karl Schettler-Munich, Germany
- 11:30 Monitoring cerebral activity while assisting ventilation in PICU and NICU
(Karl Schettler - Munich, Germany)
- 11:50 Non-Invasive hemodynamic monitoring in the NICU: which tool is best?
(Maria Fraga - Philadelphia, USA)
- 12:10 4 abstracts presentation (8' each + 2 questions each: Tot 40 min)
- 13:00 Lunch Break**
- IV Session - How to study something that moves**
Chairs: Daniele De Luca - Paris, France & Anne Sylvie Ramelet - Lausanne, Switzerland
- 14:00 Diaphragmatic electrical activity as a monitoring tool
(Xavier Durrmeyer - Paris, France)
- 14:20 Listening from the lung with FOT: what does it tell us?
(Raffaele Dellacà - Milan, Italy)
- 14:40 What is important to monitor in neonatal critical care?
(David Tingay - Melbourne, Australia)
- 15:00 Q&A
Followed by 10 min **coffee break**

V Session - Monitoring heart and lung hand in hand!

Chair: Matteo Di Nardo - Roma, Italy & Javier Rodriguez-Fanjul - Badalona, Spain

- 15:20 Effect of mechanical ventilation on volume filling and cardiac function in critically ill neonates
(Shazia Bhombal - Atlanta-GE, USA)
- 15:40 Persistent pulmonary hypertension of the neonate: lung ultrasound can help cope with it?
(Javier Rodriguez - Fanjul -Badalona, Spain)
- 16:10 **5 abstracts presentation (8' each + 2 question each: Tot 50 min)**
- 17:00 **End of day**

20th October 2023

- 08.25 GREETINGS and INTRODUCTION - Prof. Daniele De Luca
08:30 OPENING LECTURES
News in lung ultrasound in 2023: where are we?
(Daniel Lichtenstein - Paris, France)

VI Session - Teaching lung ultrasound

Chair: Yasser Elsayed - Winnipeg, Canada & Giovanna Chidini - Milan, Italy

- 08:50 Implementing a POCUS program in a large referral NICU: how to do it?
(Shazia Bhombal - Atlanta-GE, USA)
- 09:10 Five secrets to teach lung ultrasound to resident and fellows
(Nadya Yousef-Paris, France)
- 09:30 Inter-and intra-rater reliability of lung ultrasound: is it really operator-dependent?
(Francesco Raimondi - Naples, Italy)

09:50 Q&A
Followed by 5 min **technical break**

VII Session - Lung ultrasound and the Kidney

Chair: Akash Deep-London, UK & Zaccaria Ricci - Firenze, Italy

10:10 Lung ultrasound and the effect of diuretics in neonates
(Almudena Alonso – Ojembarrena - Cadiz, Spain)

10:30 Lung ultrasound to monitor fluid status during pediatric extracorporeal
renal replacement therapy?
(Wesley Hayes – London, UK)

10:50 Neonatal CVVH is now a reality as much as LUS
(Daniele De Luca, Paris, France)

11:10 Q&A
Followed by 15 min **coffee break**

**VIII Session - Monitoring... the machine. What to check and how to do
during ECMO**

Chairs: Dick Tibboel - Rotterdam, Netherlands & Fabio Mosca - Milan,
Italy

11:30 Lung ultrasound monitoring in pediatric ECMO
(Matteo di Nardo - Roma, Italy)

11:50 Again another device? The essential for monitoring during ECMO
(Giacomo Cavallaro - Milan, Italy)

12:10 Q&A
Followed by 4 abstract presentation (8' each+2' question each)

13:00 **Lunch Break**

IX Session - *The diaphragm: a forgotten friend*

Chairs: Giovanna Chidini - Milan, Italy & Nadya Youssef - Paris, France

- 14:00 Diaphragm ultrasound monitoring in preterm neonates
(Almudena Alonso – Ojembarrena - Cadiz, Spain)
- 14:20 Diaphragm ultrasound to predict surfactant need
TBC
- 14:40 Diaphragm ultrasound to estimate work of breathing: is it possible?
TBC
- 15:00 **Q&A**
Followed by 10 min **coffee break**

X Session - *Lung ultrasound in developing countries*

Chair: (Nady Youssef - Paris, France & Yasser Elsayed - Winnipeg, Canada)

- 15:20 Can we use lung ultrasound in pediatric ED in low and middle-income countries?
(Luigi Pisani - Amsterdam, Netherlands)
- 15:40 Benefits and challenges of lung ultrasound implementation in low and middle-income countries
(Danilo Buonsenso - Rome, Italy)
- 5 abstracts presentation (8' each + 2 question each)**
- 17:00 End of day**

21st October 2023

XI Session - Monitoring gut and lung

Chair: Nadya Yousef - Paris, France & Francesco Raimondi Naples, Italy

09:00 NIRS to measure gut oxygenation in critically ill neonates
(Jayanta Banerjee - London, UK)

09:20 Lung and gut ultrasound: can they go hand in hand?
(Yasser Elsayed - Winnipeg, Canada)

5 abstracts presentation (8' each + 2 question each)
Followed by 10 min **coffee break**

XII Session - ROUND TABLE: late breathing news in lung ultrasound

Chair: Daniele De Luca - Paris, France

11:00 Relationship between lung aeration and cerebral perfusion
(Daniela Biasucci - Rome, Italy)

11:15 Ultrasound or clinical scores to monitor infants with bronchiolitis?
(Danilo Buonsenso - Rome, Italy)

11:30 Meta-analytical data on lung ultrasound to predict surfactant need
In preterm neonates
(Francesco Raimondi Naples, Italy)

11:45 Quantitative lung ultrasound: can the scores be further improved?
(Belhaid Bouhemad - Djon, France)

12:00 Intersociety recommendation for POCUS in adult, pediatric and
neonatal critical care: the Italian experience
(Salvatore Maggiore - Pescara, Italy)

12:15 **Q&A and discussion**

12:45 **Wrap up - Daniele De Luca**
CLOSING REMARKS (Martin Kneyber, Espnic President, via zoom)

Pre-congress hands on sessions

(the day before the congress – in the local hospital)

1st session

- **5 participants in the PICU** (De Marchi) 10-12 (Tutor: Giovanna Chidini)
- **5 participants in the NICU** (Mangiagalli) 10-12 (Tutor: TBD)

2nd session

- **5 participants in the PICU** (De Marchi) 14-16 (Tutor: Giovanna Chidini)
- **5 participants in the NICU** (Mangiagalli) 14-16 (Tutor: TBD)

“Meet the expert” Master Class on POCUS

(18th October 2023 - in the congress venue)

Shazia Bhombal (Atlanta-GE, USA) and Nadya Yousef (Paris, France)
1.5 h

“Meet the Editor” Master Class on scientific publishing

With the Editor of the new ICM-PN journal

(the day before the congress - in the congress venue)

Dick Tibboel (Rotterdam, Netherlands)
1.5 h