

17th February 2022

09:00 – 17:00 **Introduction to lung ultrasound – hands-on courses**
Coordinator: Nadya Yousef (Paris, France)

18th February 2022

08:20 – 08:30 **Registration and Welcome**
Daniele De Luca (Paris, France)

08:30 – 09:45 **1st session: Integrated POCUS**
Chair: Daniele De Luca (Paris, France)

08:30 - 09:00 How to launch a POCUS program in a NICU
Maria V. Fraga (Philadelphia, USA)

09:00 - 09:30 How to do lung and heart POCUS in one single algorithm
Nadya Yousef (Paris, France)

09:30 – 09:45 Q&A

09:45 – 11:00 **2nd session: Lung ultrasound in animal models**
Chair: Daniele Biasucci (Rome, Italy)

09:45 - 10:15 Lung ultrasound in piglets with ARDS
Yasser Elsayed (Winnipeg, Canada)

10:15 - 10:45 Lung ultrasound in rabbits with evolving BPD
Fabrizio Salomone (Parma, Italy)

10:45 – 11:00 Q&A

11:00 – 11:15 **Coffee Break**

11:15 – 12:30 **3rd session: Hot topic in lung ultrasound**
Chair: Francesco Raimondi (Naples, Italy)

11:15 - 11:45 Why is it important to quantify lung ultrasound
Silvia Mongodi (Pavia, Italy)

- 11:45 - 12:15 The main misconceptions in lung ultrasound
Daniel Lichtenstein (Paris, France)
- 12:15 – 12:30 Q&A
- 12:30 – 13:30 Oral Communications 1**
Chair: Almudena Alonso-Ojembarrena (Barcelona)
(5 communications of 10 min each + 2 min of questions)
- 13:30 – 14:30 **Lunch Break**
- 14:30 – 15:45 **4th session: Lung ultrasound and intubation**
Chair: Nadya Yousef (Paris, France)
- 14:30 – 15:00 Direct ultrasound to confirm endotracheal tube position in neonates
Luca Bonadies (Padova, Italy)
- 15:00 - 15:30 Pleural ultrasound to refine endotracheal tube position in neonates
Meryl Vedrenne (Paris, France)
- 15:30 – 15:45 Q&A
- 15:45 – 16:00 **Coffee break**
- 16:00 – 17:15 **5th session: Lung ultrasound and intubation**
Chair: Javier Rodriguez-Fanjul (Barcellona, Spain)
- 16:00 - 16:30 The ESICM ultrasound core curriculum for adult critical care?
Adrian Wong (London, UK)
- 16:30 – 17:00 What lung ultrasound competences are needed in pediatric/neonatal critical care?
Thomas Conlon (Philadelphia, USA)
- 17:00 – 17:15 Q&A

19th February 2022

- 08:30 – 10:15** **1st session: Lung ultrasound and COVID19**
Chair: Philippe Durand (Paris, France)
- 08:30 - 09:00 Lung ultrasound and COVID progression in adults
Belaid Bouhemad (Djion, France)
- 09:00 - 09:30 Lung ultrasound and diagnosis of COVID19 in children
Danilo Buonsenso (Rome, Italy)
- 09:30 – 10:00 What you can see with lung ultrasound in neonatal COVID19
Daniele De Luca (Paris, France)
- 10:00 – 10:15 Q&A
- 10:15 – 10:30** **Coffee break**
- 10:30 – 11:30** **2nd session: Meta-analysis of lung ultrasound score...**
Chair: Almudena Alonso-Ojembarrena (Barcelona, Spain)
- 10:30 - 10:45 to predict surfactant replacement in RDS
Francesco Raimondi (Naples, Italy)
- 10:45 - 11:15 to predict development of BPD
Daniele De Luca (Paris, France)
- 11:15 – 11:30 Q&A
- 11:30 – 13:15** **3rd session: lung ultrasound and airways diseases**
Chair: Francesco Raimondi (Naples, Italy)
- 11:30 – 12:00 Lung ultrasound and bronchiolitis in children: update
Javier Rodriguez-Fanjul (Barcellona, Spain)
- 12:00 - 12:30 Lung ultrasound and post-transplantation bronchiolitis
Jesper Davidsen (Odense, Denmark)
- 12:30 – 13:00 Lung ultrasound and asthma
Daniele Biasucci (Rome, Italy)

- 13:00 – 13:15 Q&A
- 13:15 – 14:30 Lunch Break
- 14:30 – 15:30 Oral Communications-2**
Chair: Yasser Elsayed (Winnipeg, Canada)
(5 communications of 10 min each + 2 min of questions)
- 15:30 – 16:45 4th session: Lung ultrasound and rescue respiratory support**
Chairs: Maria Fraga, Thomas Conlon (Philadelphia, USA)
- 15:30 – 16:00 Is lung ultrasound useful during HFOV?
Nadya Yousef (Paris, France)
- 16:00 - 16:30 Is lung ultrasound useful during ECMO?
Matteo Di Nardo (Rome, Italy)
- 16:30 – 16:45 Q&A
- 16:45 Wrap up and conclusions**
Daniele De Luca (Paris)