



POCUS FOR THE NEONATOLOGIST, a theoretical and practical course

December 18th, 2024

08:30-09:00 Registration

09:00-09:20 Welcome and introduction

09:20-09:40 Introduction to neonatal POCUS

09:40-10:10 Ultrasound machines 101; which machine, which probe, which settings? A practical approach

10:15-10:45 Basic echocardiography views

10:45-11:15 Assessment of basic cardiac function in NICU

11:15-11:45 A well-deserved coffee break

11:45-12:45 Basics of lung ultrasound: is it all about the artefacts? ABC of Lung Ultrasound and patterns

13:00-13:45 **Lunchtime**

13:45 -14:00 Ultrasound-guided vascular access in neonatal care. Where are we today?

14:00-14:30 Ultrasound guided insertion of peripheral venous (and arterial) lines. A practical approach.

14:30 -16:30 HANDS-ON SKILLS STATION SESSIONS

Simulator training and scanning on volunteers

Participants will be divided into 8 groups for the practical sessions.

Lung, cardiac and vascular access

4 sessions of 25 minutes each

16:30-17:00 Interactive session with quiz and MCQs

17:00 Wrap-up for Day 1

Social program to be announced



POCUS FOR THE NEONATOLOGIST, a theoretical and practical course

December 19th, 2024

08:30-09:00 Using lung ultrasound in neonatology: diagnosis of common neonatal respiratory conditions (RDS, TTN, MAS...)

09:00-09:20 Using Lung ultrasound for surfactant administration and more

09:20-09:30 Time to stretch our legs

09:30-10:00 Ultrasound-guided central venous catheters in the newborn

10:00-10:30 How to secure the vascular line and protect the exit site. Tips on CLABSI preventions.

10.30-10.45 **A well-deserved coffee break**

10.45-11:10 Ultrasound guided insertion of peripheral arterial lines (PAL)

11:10-11:30 Using ultrasound for umbilical lines (tip position +/- tip navigation)

11:30-12:00 POCUS for the crashing infant.

12:00-12:10 Time to stretch our legs

12:10-12:40 How to assess the PDA

12:40-13:15 Assessment of pulmonary hypertension / PPHN

13:15-14:00 Time for lunch

14:00-16:00 HANDS-ON SKILLS STATION SESSIONS

Simulator training and scanning on volunteers

Participants will be divided into 8 groups for the practical sessions.

Lung, cardiac and vascular access

4 sessions of 25 minutes each

16:00-16:30 Interactive session with quiz and MCQs

16:30 Final Q&As

17:00 Wrap-up Day 2

Social program to be announced



POCUS FOR THE NEONATOLOGIST, a theoretical and practical course

December 20th, 2024

Practical bedside sessions

Morning sessions: 09:00-12:00

Afternoon sessions: 13:00-17:00

Please refer to the information given on Day 2 regarding time and place for your practical bedside session.