

Neonatal ultrasound course: Essentials, basics and overview – with remarks on other neonatally essential imaging techniques

16-17th Oct 2023

Bucharest

Course director: Michael Riccabona

Faculty: Dr. Michael Riccabona (Graz), Dr. Otilia Fufezan (Cluj), Dr. Carmen Asavoiaie (Cluj), Dr. Mariana Coman (Maria Curie” Children Hospital Bucharest), Dr. Catalin Carstoveanu, (Dr. Marcu Veronica - tutor)

Location: Neonatal Intensive Care Unit in the ”Maria Curie” Children Hospital Bucharest

Programme:

MONDAY – 16th Oct 2023

9:00-09:10 Opening, Introduction & Welcome

Mariana Coman, Catalin Carstoveanu, Michael Riccabona

9:10-9:20 Radiation protection

Bogdan Olteanu

9:20-9:35 Remarks on the role of radiographs (and fluoroscopy) in neonates – still useful? When indicated? How?

Mariana Coman

9:35-10:30 Role of ultrasound (US) and US basics - as relevant for neonatal scanning

Michael Riccabona

10.30-10.50 Neonatal hip US and neonatal hip US screening

Carmen Asavoiaie

11:50 – 11:00 Questions and discussion

11:00 - 11:15 Coffee break

11:15- 12:15 Neonatal neurosonography – basic and common applications

Michael Riccabona

12:15 -13:00 US of the neonatal chest (except echocardiography)

Michael Riccabona

13:00 – 13:20 What US can offer in the neonatal small parts

Otilia Fufezan

13:20 – 13:30 Questions and discussion

Lunch 13:30 – 14:30

14:30 -17:30 Hands-on in groups / Tutors: Riccabona (+ ...?), Asavoiaie, Fufezan, Marcu

19:00 Dinner

TUESDAY 17th Oct 2023

09:00-9:10 Questions & Discussion concerning the Monday hands-on topics

09:10-10:00 US of the neonatal abdomen and bowel

Michael Riccabona

10:00-11:00 US (and remarks on respective other imaging) of the neonatal urogenital tract

Michael Riccabona

11:00-11:10 Questions & discussion

11:10 – 11:30 Coffee break

11:30-12:15 Neonatal neurosonography – advanced applications

Michael Riccabona

12:15 -12:40 Update on new techniques (e.g., CEUS, Doppler US) - as useful in neonates

Michael Riccabona

12:40 -13:00 Imaging in neonatal (birth) trauma and non-accidental / inflicted injuries

Carmen Asavoiaie

13:00-13:20 Indications and basic remarks concerning CT or MRI in neonates

Otilia Fufezan

13:20-13:30 Questions and discussion

Lunch 13:30 – 14:30

14:30 – 17:30 Hands-on in groups

17:30 - 17:40 Questions & Discussion concerning the hands-on topics

Michael Riccabona

17:40 - 18:00 Feedback and wrap-up (all faculty)

Mariana Coman, Catalin Carstoveanu, Otilia Fufezan, Carmen Asavoiaie, Michael Riccabona

18:00 End

and Farewell snack

Organisation - *Hands-on*: in the Neonatology Departments

Groups will rotate - each group every day / slot with another tutor (Riccabona/Asavoiaie/Fufezan/ Marcu), depending on patient availability and number of participants – may 5 per group = maximum 20 participants for the hands-on,

No number restrictions for the presentations & lectures

Requirement: completed study of medicine, basic experience with ultrasound & neonatology