

2017 First steps in Neonatal Brain Ultrasound: an amazing, adventurous journey!

Learning objectives of the Course

The Course is aimed at beginners in neonatal brain US scanning and it is organized offering both frontal lectures and practical sessions.

The aim of the Course is to give an introduction to the exciting world of ultrasound imaging.

During the day attendees will learn the fundamentals of US physics, the probe skills to optimize an US image and the different functionalities of the ultrasound system.

The Course will give each participants the opportunity to get "hands-on" sessions with the machines and to use it to scan and fix in an image the basic structures of the "normal" neonatal brain.

The main goal of the Course is to build an open "dialogue" between teachers and participants, in order to learn practically the guidelines for brain ultrasonography.

The theoretical lessons will be connected with the didactic programme of the following Course "2017 Neonatal Ultrasound Course. Why, how and when an ultrasound image?" which will be held on 15-18 March, 2017 in Florence, Italy, where many "pathologic" images of the neonatal ultrasonography will be treated extensively.

*The Director of the Course
Dr. Antonio La Torre*

Lecturers

Dr. Antonio La Torre

Neonatology Department, AUO Careggi Hospital, Florence, Italy

Prof. S. Monica Epelman

University of Central Florida and Florida State University

Department of Medical Imaging - Radiology

Nemours Children's Hospital

Orlando (USA)

Prof. Michael Riccabona

Department of Radiology

Division of Paediatric Radiology

University Hospital LKH, Graz, Austria

Organizing Secretariat



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Tuesday, 14 March

PROGRAMME

- 8.30-9.00 Introduction: the anatomy of the brain
Dr. Antonio La Torre
- 9.00-9.30 US Physics: what is it, how does it work?
A talk together.
Dr. Antonio La Torre
- 9.30-10.00 Transducers and their properties
A talk together
Dr. Antonio La Torre
- 10.00-10.30 Neoultrasonography: in pursuit of an optimized examination
Prof. S. Monica Epelman
- 10.30-11.00 Ischaemic encephalopathy and the normal hyperechodensity
Prof. S. Monica Epelman
- 11.00-11.15 COFFEE BREAK
- 11.15-12.30 **First** practical session
- 12.30-13.00 *Questions and Answers*
- 13.00-14.00 LUNCH
- 14.00-14.30 Doppler Sonography in neonatal neurosonography: physics, basics and typical applications/findings
Prof. Michael Riccabona
- 14.30-15.00 The cerebral ventricles: the normal and the pathology (hydrocephalus)
Prof. Michael Riccabona
- 15.00-16.15 **Second** practical session
- 16.15-17.30 **Third** practical session
- 17.30-18.00 *Questions and Answers*

GENERAL INFORMATION

Course venue **Palazzo Ricasoli Polihotels**

Via delle Mantellate, 2 - Florence, Italy

Registration fee **by 20 January 2017** **by 6 March 2017**

Registration fee (VAT included) Euro 450,00 Euro 550,00

No on site registration available.

The fee includes: course materials, a CD with the lessons, coffee break and light lunch.

The Course that will be held on March, 14th 2017 is limited to 18 participants. The Organizing Secretariat will confirm the registration to the first 18 participants that will sent the attached application form to ultrasound2017@aimgroup.eu.

UEMS – European Union of Medical Specialist

An application has been made to the EACCME® for CME accreditation of this event.

CME - Continuing Medical Education

(for Italian Participants only)

CME credits, requested to Ministry of Health, will be given to the participants of the Course.