

2019 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 "2019 Neonatal Ultrasound Course. Why, how and when an ultrasound image?" which will be held on 19-22 March, 2019 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, AOU 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



**AIM Group International
Florence Office**

Viale G. Mazzini, 70

50132 Florence, Italy

Ph. +39 055 23388.1

Fax +39 055 2480246

web.aimgroupinternational.com/2019/ultrasound

ultrasound2019@aimgroup.eu

Monday, 18 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 Neuroultrasonography: in pursuit of an optimized examination. Coronal and sagittal planes. The main points of view: anterior and posterior fontanel, mastoid fontanel
Prof. S. Monica Epelman
- 10.30-10.45 COFFEE BREAK
- 10.45-11.45 ***First practical session** (phantom):
the technical properties of US machine,
the basic rules of a good exam
- 11.45-12.30 ***Second practical session** (phantom):
An US exam by alone...print your images!
- 12.30-13.10 Ischaemic encephalopathy and the normal hyperechodensity-cystic-lesions (normal and abnormal)
Prof. S. Monica Epelman
- 13.10-14.15 LUNCH
- 14.15-14.45 Neonatal Cerebral hemorrhage
Prof. S. Monica Epelman
- 14.45-15.15 Doppler Sonography in neonatal neurosonography: physics, basics and typical applications/findings
Prof. Michael Riccabona
- 15.15-16.30 ***Third practical session** (babies)
- 16.30-17.45 ***Fourth practical session:** (babies)
- 17.45-18.15 The cerebral ventricles: the normal and the pathology (hydrocephalus)
Prof. Michael Riccabona
- 18.15-18.30 Questions and Answers
CME Test

GENERAL INFORMATION

Course venue **Palazzo Ricasoli Polihotels**

Via delle Mantellate, 2 - Florence, Italy

Registration fee

by 25 January 2019

by 8 March 2019

(Fee VAT included)

Euro 485,00

Euro 585,00

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, 18th 2019 is limited to 18 participants. The Organizing Secretariat will confirm the registration to the first 18 participants.

In order to submit your registration and/or hotel reservation, please open the page:

web.aimgroupinternational.com/2019/ultrasound

UEMS – European Union of Medical Specialist

UEMS credits will be applied for. They are valid all over Europe, the United States and Canada (reciprocity agreement with the American Medical Association).

CME Continuing Medical Education

(for Italian Participants only)

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

* The lecturers of the practical sessions are: S.M. Epelman, A. La Torre, M. Riccabona