

# “First steps in Neonatal Brain US: 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 “2014 Neonatal Ultrasound Course. Why, how and when an ultrasound image?”, which will be held on 19-22 March, 2014 in Florence, Italy, where many “pathologic” images of the neonatal ultrasonography will be treated extensively.

The Course is open to Paediatricians, Neonatologists and Paediatric Radiologists.

The language of the Course is English

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

## Lecturers

Dr Antonio La Torre

*Neonatology Department, AOU Careggi Hospital, Florence, Italy*

Prof. Paul Govaert

*Department of Pediatrics at Koningin Paola Kinderziekenhuis, Antwerpen, Belgium*

Prof. George A. Taylor

*Department of Radiology, Children’s Hospital, Boston, USA*

# Tuesday, 18 March

## PROGRAMME

- 8.30-9.00 Introduction: the Anatomy of the Brain  
*Dr Antonio La Torre*
- 9.00-9.45 US Physics and scanning technique  
*Prof. George A. Taylor*
- 9.45-10.30 Comparative Anatomy and US images of normal brain; good rules for good exam and reporting  
*Prof. Paul Govaert*
- 10.30-10.45 Coffee Break
- 10.45-11.45 **First** practical session
- 11.45-13.00 **Second** practical session
- 13.00-14.15 LUNCH
- 14.15-15.00 Introduction to Color and Duplex Doppler US of the brain  
*Prof. George A. Taylor*
- 15.00-16.00 Normal developmental changes & variants; imaging protocols & US limitations  
*Prof. George A. Taylor*
- 16.00-16.30 Neonatal vasculopathy: what can we find in our US exam?  
*Prof. Paul Govaert*
- 16.30-17.30 **Third** practical session
- 17.30-18.00 **Final** Tests

## GENERAL INFORMATION

**Course venue** Palazzo Ricasoli Polihotels

Via delle Mantellate, 2 - Florence, Italy

### Registration fee

**By 20 January 2014**

**By 12 March 2014**

Registration fee (VAT included)

Euro 450,00

Euro 550,00

No on site registration.

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

The Course that will be held on 18 March 2014 is limited to 18 participants. The Organizing Secretariat will confirm the registration to the first 18 participants that will send the attached application form to **[ultrasound2014@aimgroup.eu](mailto:ultrasound2014@aimgroup.eu)**.

### UEMS, CME

**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** credits, requested to Ministry of Health, will be given only to the italian participants of the Course.

### Organizing Secretariat



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