

# 2015 “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 “2015 Neonatal Ultrasound Course. Why, how and when an ultrasound image?” which will be held on 17-20 March, 2015 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. Paul Govaert

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

Prof. Michael Riccabona

*Department of Paediatric Radiology, Graz University, Austria*

## Organizing Secretariat



**AIM Group International**  
**Florence Office**

Viale G. Mazzini, 70 - 50132 Florence, Italy - Ph. +39 055 23388.1 - Fax +39 055 2480246  
ultrasound2015@aimgroup.eu [web.aimgroupinternational.com/2015/ultrasound](http://web.aimgroupinternational.com/2015/ultrasound)

# Monday, 16 March

## PROGRAMME

- 8.30-9.00 Introduction: the Anatomy of the Brain  
*Dr. Antonio La Torre*
- 9.00-10.00 Comparative anatomy and US images:  
how is the development of the brain from a  
preterm to a term baby?  
*Prof. Paul Govaert*
- 10.00-10.30 US physics: what is it, how does it work?  
*Dr. Antonio La Torre*
- 10.30-10.45 COFFEE BREAK
- 10.45-11.15 Fundamental rules for a good brain US exam:  
the machine, the probes, the images, the report  
*Prof. Michael Riccabona*
- 11.15-12.00 Measurement of the brain: how can I?  
Physiological and pathological echodensities:  
a dilemma for the US exam  
*Prof. Paul Govaert*
- 12.00-13.15 **First** practical session
- 13.15-14.15 LUNCH
- 14.15-15.15 Doppler US in the neonatal brain:  
good rules for a good technique of the exam,  
and when it is indicated  
*Prof. Michael Riccabona*
- 15.15-16.30 **Second** practical session
- 16.30-17.30 **Third** practical session
- 17.30-18.00 **Final** Tests for the participants

## GENERAL INFORMATION

**Course venue** Palazzo Ricasoli Polihotels

Via delle Mantellate, 2 - Florence, Italy

**Registration fee**      **by 19 January 2015**      **by 10 March 2015**

Registration fee      € 450,00      € 550,00

(VAT included)

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 16<sup>th</sup> March 2015, 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 [ultrasound2015@aimgroup.eu](mailto:ultrasound2015@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.