

## Lecturers

### Prof. Michael Riccabona

Department of Radiology  
Division of Paediatric Radiology  
University Hospital LKH Graz, Austria

### Dr. Eoghan Laffan

Department of Radiology, Children's University  
Hospital Dublin, Ireland

### Prof. Alan Daneman

Department of Diagnostic Imaging  
Hospital for Sick Children  
University of Toronto, Canada

### Prof. George A. Taylor

Department of Radiology  
Children's Hospital, Boston, USA

## Learning objectives of the Course

### Ultrasound imaging of neonatal urogenital tract

- To become familiar with the different pathologic images of neonatal urogenital tract and with renal haemodynamics
- In the practical session, imaging tests will be made to help participants understand many practical issues of diagnosis and the importance of ultrasound follow-up

### Ultrasound imaging of neonatal chest

- To understand the technique of the exam which needs high skill

### Ultrasound imaging of neonatal abdomen

- To understand limits and usefulness of gastrointestinal tract, liver, spleen and pancreas ultrasound imaging
- In the practical session, imaging tests will be made to help participants understand many practical issues of diagnosis

### Ultrasound imaging of neonatal brain

- To become familiar with the different pathologic images of neonatal brain: morphology and haemodynamics
- In the practical session, imaging tests will be made to help participants understand many practical issues of diagnosis and the importance of ultrasound follow-up

## Information

The theoretical-practical Course is for paediatricians, neonatologists and paediatric radiologists and it is limited to 42 participants.

Practical sessions include tests for the participants and case discussions without direct examination of a baby. The language of the Course is English.

### UEMS – European Union of Medical Specialists

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.

### Registration fee

A reduced registration fee will be applied for the participants who will register also to the "First Steps in Neonatal Brain US: an Amazing, adventurous Journey!" on Monday 14 March 2016.

For all SIUMB members, the registration fee remains unchanged at the first dead line € 895,00.

<b>Registration fee</b> (VAT included)	<b>by 18 January 2016</b> € 895,00	<b>by 7 March 2016</b> € 1.050,00
---	---------------------------------------	--------------------------------------

<b>Reduced Registration fee</b> (VAT included)	€ 795,00	€ 950,00
---	----------	----------

No on site registration.

The fee includes Course materials, a CD with the lessons, coffee break and lunch each day.

### Accommodation

AIM negotiated preferential rates with Residence Palazzo Ricasoli Hotel.

Double room double use € 150.00 per room per night, taxes and breakfast included.

Double room single use € 120.00 per room per night, taxes and breakfast included.

## Information

Please be informed that a City Tax ("Tassa di soggiorno") has been applied for all Florentine hotels (but also for camping, guest houses, rooms for rent, residences, farm holidays with different taxation). Hotel Palazzo Ricasoli requires a fee of 4,5 Euros per person, per night, to be paid at the check out directly to the hotel.

Make sure to have your reservation made by **18 January 2016**: after this date rooms could not be guaranteed. A receipt will be sent as confirmation of your reservation.

### Application

To make a registration and/or hotel reservation, please return the attached application form duly filled in to the Organizing Secretariat.

### Cancellation

Cancellation must be sent in writing. You will receive a 75% refund of the participation fee in case of cancellation before **15 February 2016**. After this date no refunds will be possible.

### Course venue

#### Palazzo Ricasoli Polihotels

Via delle Mantellate, 2 - Florence, Italy

### 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/2016/ultrasound  
ultrasound2016@aimgroup.eu

# 2016 Neonatal Ultrasound Course. Why, how and when an ultrasound image?

Florence, 15-18 March 2016  
Palazzo Ricasoli Polihotels

## PROGRAMME

### DIRECTOR

#### Dr. Antonio La Torre

Neonatology Department,  
AOU Careggi Hospital, Florence

## Tuesday, 15 March

08.45-9.15 **Dr. Antonio La Torre**  
Introduction to the Course  
Neonatal ultrasound training:  
does it need more?

### **Prof. Michael Riccabona**

#### Ultrasound imaging of neonatal urogenital tract

- 9.15-9.45 Basics of US in neonates - revisiting important physics, applications, tips and tricks
- 9.45-10.15 Doppler US and modern US methods - as far as important and useful for neonatal diagnostic US
- 10.15-11.00 Neonatal urogenital tract US - normal US findings
- 11.00-11.15 COFFEE BREAK
- 11.15-12.15 Neonatal urogenital tract US – congenital malformations & conditions
- 12.15-13.15 Neonatal urogenital tract US – genetic & hereditary conditions (cystic disease, genital anomalies)
- 13.15-14.30 LUNCH
- 14.30-15.00 Neonatal urogenital tract US – acquired disease (infection, vascular problems, torsion, tumors ...)
- 15.00-15.45 Urogenital tract US in infancy: what to do with neonatally diagnosed conditions for follow-up?  
Other important conditions not mentioned above (e.g. traumas imaging ...)
- 15.45-16.30 Neonatal urogenital tract US – imaging algorithms
- 16.30-16.45 COFFEE BREAK
- 16.45-17.30 Urogenital tract US in neonates and infants – interactive case discussion

## Wednesday, 16 March

### **Dr. Eoghan Laffan**

#### Ultrasound imaging of neonatal chest

- 8.30-9.30 Neonatal Chest Ultrasound
- 9.30-9.45 *Questions & Answers*
- 9.45-10.30 Neonatal Spine Ultrasound
- 10.30-10.45 *Questions & Answers*
- 10.45-11.00 COFFEE BREAK
- 11.00-12.00 Practical notes of the technique by teacher's exam of a baby
- 12.00-13.00 Case studies, discussion, multiple choice quiz with audience participation
- 13.00-14.15 LUNCH

### **Prof. Alan Daneman**

#### Ultrasound imaging of neonatal abdomen (First part)

- 14.15-15.45 Neonatal abdomen and pelvis - optimizing US technique, unique sonographic appearances, location of catheter positions and artefacts
- 15.45-17.15 Neonatal liver, biliary tract, pancreas, spleen and adrenals - US of normal appearances and pathologic findings
- 17.15-17.30 Quiz: interesting and difficult cases

## Thursday, 17 March

### **Prof. Alan Daneman**

#### Ultrasound imaging of neonatal abdomen (Second part)

- 8.30-9.30 Neonatal abdominal and pelvis masses - US appearances and the role of US relative to other modalities
- 9.30-10.30 Neonatal supra-renal masses - US appearances, spontaneously disappearing masses and the role of US
- 10.30-10.45 COFFEE BREAK
- 10.45-12.15 Neonatal G.I. tract - emphasis on normal US appearances, NEC and midgut malrotation and volvulus
- 12.15-12.45 Neonatal vascular abnormalities - US appearances of vascular lesions and catheter complications
- 12.45-13.00 Quiz: interesting and difficult cases
- 13.00-14.15 LUNCH

### **Prof. George A. Taylor**

#### Ultrasound imaging of neonatal brain (First part)

- 14.15-14.45 Basic Scanning Technique
- 14.45-14.50 *Questions & Answers*
- 14.50-15.20 Normal Brain and variants
- 15.20-15.25 *Questions & Answers*
- 15.25-15.55 Advanced Intracranial Scanning Approaches
- 15.55-16.00 *Questions & Answers*
- 16.00-16.45 Doppler hemodynamics
- 16.45-16.50 *Questions & Answers*
- 16.50-17.30 Puzzling & interesting Cases

## Friday, 18 March

### **Prof. George A. Taylor**

#### Ultrasound imaging of neonatal brain (Second part)

- 9.00-10.00 Brain Injury in the Premature
- 10.00-10.05 *Questions & Answers*
- 10.05-10.40 Sonographic Evaluation of Hydrocephalus
- 10.40-10.45 *Questions & Answers*
- 10.45-11.00 COFFEE BREAK
- 11.00-11.55 Brain Injury in the Term and Near Term Infant
- 11.55-12.00 *Questions & Answers*
- 12.00-13.00 Puzzling & interesting Cases
- 13.00-14.30 LUNCH
- 14.30-15.15 Cerebellar development and pathology
- 15.15-15.20 *Questions & Answers*
- 15.20-16.00 Intracranial Infections
- 16.00-16.10 *Questions & Answers*
- 16.10-16.30 Additional Clinical Doppler Applications
- 16.30-17.30 *Case Studies and Discussion*