

## 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 the urogenital tract in neonates and infants

- 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 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

### 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.

## 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 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.

### Registration fee

A reduced registration fee will be applied for the participants who will register also to the "2017 First Steps in Neonatal Brain US: an amazing, adventurous Journey!" on Tuesday 14 March 2017.

<b>Registration fee</b> (VAT included)	<b>by 20 January 2017</b> € 895,00	<b>by 6 March 2017</b> € 1.050,00
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<b>Reduced Registration fee</b> (VAT included)	€ 795,00	€ 950,00
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No on site registration available.

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

### Accommodation

AIM negotiated preferential rates with Hotel Palazzo Ricasoli.

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.

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,

## Information

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 proceed with your reservation by **20 January 2017**: 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 2017**. 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  
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# 2017 Neonatal Ultrasound Course. Why, how and when an ultrasound image?

Florence, 15-18 March 2017  
Palazzo Ricasoli Polihotels

## PROGRAMME

## DIRECTOR

### Dr. Antonio La Torre

*Neonatology Department,  
AOU Careggi Hospital, Florence*

## Wednesday, 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 the  
urogenital tract in neonates  
and infants

- 9.15-9.45 Basics of US in neonates and infants – revisiting important physics, applications, tips and tricks
- 9.45-10.15 Doppler US and modern US methods – as far as important and useful for diagnostic US in neonates and infants
- 10.15-11.00 Urogenital tract US - normal US findings in neonates and infants
- 11.00-11.15 COFFEE BREAK
- 11.15-13.00 Urogenital tract US – congenital malformations and conditions in neonates and infants
- 13.00-14.30 LUNCH
- 14.30-15.00 Urogenital tract US in neonates and infants – genetic and hereditary conditions
- 15.00-16.00 Urogenital tract US – acquired disease in neonates and infants
- 16.00-16.30 Urogenital tract US in infancy: what to do with neonatally diagnosed conditions for follow-up? Imaging algorithms and beyond ...
- 16.30-17.30 Urogenital tract US in neonates and infants – interactive case discussion

## Thursday, 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. George A. Taylor**

Ultrasound imaging  
of neonatal brain (first part)

- 14.15-14.45 Basic Scanning Techniques
- 14.45-14.50 Review of unknown case and questions & answers
- 14.50-15.20 Normal brain and variants
- 15.20-15.25 Review of unknown case and 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, 17 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 *Review of unknown case and questions & answers*
- 10.05-10.40 Sonographic evaluation of Hydrocephalus
- 10.40-10.45 *Review of unknown case and 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 *Review of unknown case and questions & answers*
- 15.20-16.00 Intracranial Infections
- 16.00-16.10 *Review of unknown case and questions & answers*
- 16.10-16.30 Additional Clinical Doppler Applications
- 16.30-17.30 Case studies and discussion

## Saturday, 18 March

### **Prof . Alan Daneman**

Ultrasound imaging  
of neonatal abdomen

- 8.30-10.00 Neonatal abdomen and pelvis: optimizing US technique, review normal anatomy, catheter positions and artefacts
- 10.00-11.15 *Unknown cases – Quiz*
- 11.15-11.30 COFFEE BREAK
- 11.30-13.00 Neonatal adrenal, pancreas, liver, biliary tract and spleen-US appearance of pathologic findings
- 13.00-14.00 LUNCH
- 14.00-15.30 Neonatal G.I. tract – review of normal anatomy and emphasis on malrotation and NEC
- 15.30-16.45 Neonatal abdominal and pelvic masses – differential diagnosis, the role of US relative to other modalities and “disappearing masses”
- 16.45-17.30 Vascular abnormalities in the neonatal abdomen and pelvis – vascular lesions and catheter complications