

## 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 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 phantom US exam, tests for the participants and case discussions. The language of the Course is English.

### 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.

### Registration fee

|                    | by 26 January 2018 | by 15 March 2018 |
|--------------------|--------------------|------------------|
| (Fee VAT included) | € 895,00           | € 1.050,00       |

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 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, 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.

## Information

Make sure to proceed with your reservation by **31 January 2018**: after this date rooms could not be guaranteed. A receipt will be sent as confirmation of your reservation.

### Application

In order to submit your registration and/or hotel reservation, please visit the website

[web.aimgroupinternational.com/2018/ultrasound](http://web.aimgroupinternational.com/2018/ultrasound)

### Cancellation

Cancellation must be sent in writing. You will receive a 75% refund of the participation fee in case of cancellation before **16 February 2018**. After this date no refunds will be possible.

### Course venue

#### Palazzo Ricasoli Polihotels

Via delle Mantellate, 2 - Florence, Italy

### Organizing Secretariat



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# 2018 Neonatal Ultrasound Course. Why, how and when an ultrasound image?

Florence, 20-23 March 2018  
Palazzo Ricasoli Polihotels

## PROGRAMME

### DIRECTOR

#### Dr. Antonio La Torre

*Neonatology Department,  
AOU Careggi Hospital, Florence*

## Tuesday, 20 March

08.45-9.15 **Dr. Antonio La Torre**  
Introduction to the Course Neonatal  
ultrasonography: training and safety

### **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

17.30-18.45 Practical Session  
The paediatric abdomen US exam by  
training phantom

## Wednesday, 21 March

### **Dr. Eoghan Laffan**

Ultrasound imaging  
of neonatal chest

8.30-9.00 Neonatal Chest Ultrasound

9.00-9.30 Neonatal Lung Ultrasound

9.30-10.30 Neonatal Spine Ultrasound

10.30-10.45 COFFEE BREAK

10.45-11.30 Small Parts Ultrasound

11.30-12.30 Practical notes of the technique by  
teacher's exam of a baby

12.30-13.00 Case studies, 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, artefacts, review of normal  
anatomy, catheter positions and catheter  
evaluations

15.45-16.15 *VIDEOS* - normal and pathologic entities

16.15-17.30 Neonatal adrenal, pancreas, liver, biliary  
tract and spleen-US appearance of  
pathologic findings

17.30-19.00 Practical Session  
The paediatric abdomen US exam by  
training phantom

## Thursday, 22 March

### **Prof. Alan Daneman**

Ultrasound imaging of  
neonatal abdomen (second part)

8.30-9.30 The role of US in evaluation of the neonatal  
splanchnic circulation and necrotizing  
enterocolitis

9.30-10.00 Role of US in other neonatal G.I. abnormalities

10.00-11.00 Neonatal abdominal and pelvic masses:  
differential diagnosis, the role of US relative to  
other modalities and "disappearing masses"  
(first part)

11.00-11.15 COFFEE BREAK

11.15-11.50 Neonatal abdominal and pelvic masses:  
differential diagnosis, ... (second part)

11.50-13.00 Interesting cases and tests for the participants

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 *Unknown case, questions and answers*

14.50-15.20 Normal Development and variants

15.20-15.25 *Unknown case, questions and answers*

15.25-15.55 Advanced scanning approaches and  
technique

15.55-16.00 *Questions and answers*

16.00-16.45 Introduction to Doppler Cerebral  
Hemodynamics

16.45-16.50 *Questions and answers*

16.50-17.30 Instructive cases and discussion

## Friday, 23 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 *Unknown case, questions and answers*

10.05-10.40 Anatomic and Hemodynamic Evaluation of  
Hydrocephalus

10.40-10.45 *Unknown case, questions and answers*

10.45-11.00 COFFEE BREAK

11.00-11.55 Brain Injury in Term and Near Term Infants

11.55-12.00 *Questions and answers*

12.00-13.00 Instructive cases and discussion

13.00-14.30 LUNCH

14.30-15.15 Posterior Fossa: Normal and Pathologic  
Findings

15.15-15.20 *Unknown case, questions and answers*

15.20-16.00 Intracranial Infections

16.00-16.10 *Unknown case, questions and answers*

16.10-16.30 Cerebral Doppler in Clinical Practice

16.30-17.30 Case studies and discussion