

## Lecturers

### Prof. Alan Daneman

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

### Dr. Eoghan Laffan

Department of Radiology  
Children's University  
Hospital Dublin, Ireland

### Dr. Antonio La Torre

Neonatology Department  
AOU Careggi Hospital  
Florence, Italy

### Prof. Michael Riccabona

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

### Prof. George A. Taylor

Department of Radiology  
Children's Hospital  
Boston, USA

## Learning objectives

### 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
- The imaging tests help the participants to 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 requires high skill.

### Ultrasound imaging of neonatal abdomen

- To understand limits and usefulness of gastrointestinal tract, liver, spleen and pancreas ultrasound imaging
- The imaging tests help the participants to 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
- The imaging tests help the participants to understand many practical issues of diagnosis and the importance of ultrasound follow-up.

### Basic concepts of US Physics and Quality Assurance

- To understand some basic elements of the US machine functioning and its Quality Assurance and Safety.

## Information

### Information

The Course is for paediatricians, neonatologists, paediatric radiologists and sonographers. It is limited to 50 participants.

The language of the Course is English.

### Course venue

**HOTEL BRUNELLESCHI**

Piazza Sant'Elisabetta, 3 - Florence, Italy

### UEMS – European Union of Medical Specialist

An application has been made to the EACCME® for CME accreditation of this event.

*Only for the on-site participation*

### CME (ECM) - Continuing Medical Education

CME credits will be given to the Italian participants.

### Nr. 29,9 CME CREDITS

*Only for the on-site participation*

### SGUM SSUM - Schweizerische Gesellschaft für Ultraschall in der Medizin Société Suisse d'Ultrasons en Médecine Società Svizzera di Ultrasonologia in Medicina

SGUM credits will be given to the Swiss participants.

### Nr. 24 SGUM Credits

*Only for the on-site participation*

REGISTRATION FEE FOR ON-SITE PARTICIPATION	Early bird fee by 23 February	Regular fee by 24 February*
Italian, European or Non European Individuals or Companies	€ 920,00 (VAT 22% included)	€ 1.070,00 (VAT 22% included)

\* It is not possible to register on-site

The fee includes: course material, certificate of attendance, session recordings, accredited certification, coffee break and lunch each day.

REGISTRATION FEE FOR ON-LINE PARTICIPATION	Early bird fee by 23 February	Regular fee by 24 February
European Individuals or Companies with VAT number	€ 426,23 (VAT exempt)	€ 549,18 (VAT exempt)
Non-European Individuals or Companies with VAT number		
European or Non-European or Italian Individuals and Italian Companies without VAT number	€ 520,00 (VAT 22% included)	€ 670,00 (VAT 22% included)

Registered participants will receive a link to participate to the Course.

## Information

### Payment

The payment of the registration fee can be done as follows:

#### By Bank transfer to

AIM Italy Srl  
(Banca CR FIRENZE SpA - Gruppo Intesa Sanpaolo  
Piazza Beccaria 1R - 50121 Florence, Italy)

IBAN: IT21 0030 6902 9931 0000 0010 260

SWIFT/BIC: BCITITMM

Please state the name of participant and the name of the Course and send a copy of bank transfer by email:  
ultrasound2023@aimgroup.eu

#### By Credit Card

All major credit cards are accepted (VISA, Master Card).

### Application

In order to submit your registration please visit the website:  
web.aimgroupinternational.com/2023/ultrasound

### Cancellation

The cancellation should be notified to the Organizing Secretariat (ultrasound2023@aimgroup.eu) in writing only. The registration fees less than 25% administrative charges will be refunded if the cancellation is announced before February 24, 2023. After this date no refund will be possible. Refunds will be processed and issued 60 days after the Course.

### Accommodation

The Organizing Secretariat negotiated preferential rates with Hotel Brunelleschi. Individual participants are asked to book the hotel (sales@hotelbrunelleschi.it), specifying your attendance the Course.

### Provider



#### AIM Education

Via G. Ripamonti, 129 - 20141 Milano  
Tel. 02 566011 - Fax 02 70048585  
cme@aimgroup.eu  
www.aimeducation.it

### Organizing Secretariat



#### AIM Group International

##### Sede di Firenze

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web.aimgroupinternational.com/2023/ultrasound  
ultrasound2023@aimgroup.eu

# 2023 Neonatal Ultrasound Course. Why, how and when an ultrasound image?

Florence, 20-23 March 2023

Hotel Brunelleschi

## PROGRAMME

### DIRECTOR

#### Dr. Antonio La Torre

Neonatology Department  
AOU Careggi Hospital  
Florence, Italy

### Nr. 29,9 CME (ECM) Credits

### Nr. 24 SGUM Credits

**UEMS - An application has been made to the EACCME® for CME accreditation of this event**

# MONDAY, 20 March 2023

Morning

## Dr. Antonio La Torre

08.45-09.15 Introduction to the Course: the problems and the future of the US

09.15-10.00 The corner of US Physics: what is useful to remember? (first part)

10.00-10.10 *Questions and Answers*

## Dr. Eoghan Laffan

### US imaging of Neonatal Chest

10.10-11.00 Neonatal Chest US

11.00-11.15 COFFEE BREAK

11.15-12.15 Neonatal Lung US

12.15-12.30 *Questions and Answers*

12.30-14.00 LUNCH

Afternoon

## Prof. George A. Taylor

### US imaging of Neonatal Brain (first part)

14.00-14.30 Basic Scanning Technique

14.30-14.40 *Questions and Answers*

14.40-15.30 Normal Development and variants

15.30-15.40 *Questions and Answers*

15.40-16.30 Advanced Scanning Approaches & Techniques

16.30-16.40 *Questions and Answers*

16.40-17.20 Introduction to Doppler Cerebral Hemodynamics

17.20-17.30 *Questions and Answers*

17.30-19.00 Practical Session  
The Neonatal Head and the Paediatric Abdomen exam by training phantoms

# TUESDAY, 21 March 2023

Morning

## Dr. Antonio La Torre

09.00-09.30 The Corner of US Physics: what is useful to remember? (second part)

09.30-10.00 The corner of US Physics: what is useful to remember? (third part)

10.00-10.10 *Questions and Answers*

10.10-10.30 Quality assurance and safety in US

10.30-10.45 COFFEE BREAK

## Prof. George A. Taylor

### US imaging of Neonatal Brain (second part)

10.45-11.45 Brain injury in the premature

11.45-11.55 *Questions and Answers*

11.55-12.45 Anatomic and Hemodynamic Evaluation of Hydrocephalus

12.45-13.00 *Questions and Answers*

13.00-14.30 LUNCH

Afternoon

14.30-15.30 Brain injury in term and near term infants

15.30-15.40 *Questions and Answers*

15.40-16.30 Posterior Fossa: normal and pathologic findings

16.30-16.40 *Questions and Answers*

16.40-17.15 Cerebral doppler in clinical practice

17.15-17.30 *Questions and Answers*

17.30-19.00 Practical Session  
The Neonatal Head and the Paediatric Abdomen exam by training phantoms

# WEDNESDAY, 22 March 2023

Morning

## Prof. Alan Daneman

### US imaging of neonatal abdomen

08.30-09.10 Optimizing US technique for imaging the neonatal abdomen and pelvis

09.10-09.15 *Questions and Answers*

09.15-10.00 US of the neonatal gastrointestinal tract: obstructions and other anomalies

10.00-10.10 *Questions and Answers*

10.10-11.00 US of neonatal necrotizing enterocolitis: US appearances, classifications and pitfalls

11.00-11.15 COFFEE BREAK

11.15-12.00 US of neonatal adrenal, pancreas, biliary tract, liver and spleen

12.00-12.10 *Questions and Answers*

12.10-12.50 US of neonatal abdominal and pelvic masses

12.50-13.00 *Questions and Answers*

13.00-14.30 LUNCH

Afternoon

## Prof. Alan Daneman

14.30-15.15 Interesting cases

## Dr. Eoghan Laffan

### US imaging of neonatal spine and small parts

15.15-16.00 Neonatal Spine US

16.00-16.45 A mixed bag of cases

16.45-17.00 *Questions and Answers*

# THURSDAY, 23 March 2023

Morning

## Prof. Michael Riccabona

### US imaging of the urogenital tract in neonates and infants

08.45-09.30 Urogenital tract US - normal US findings in neonates and infants

09.30-09.35 *Questions and Answers*

09.35-10.20 Urogenital tract US - congenital malformations and conditions in neonates and infants, with special focus on urinary tract dilatation

10.20-10.30 *Questions and Answers*

10.30-10.45 COFFEE BREAK

10.45-11.45 Urogenital tract US - genetic and hereditary conditions, with special focus on cystic kidney disease

11.45-11.50 *Questions and Answers*

11.50-12.50 Urogenital tract US - acquired disease in neonates and infants, with focus on urinary tract infection and VUR particularly in infants

12.50-13.00 *Questions and Answers*

13.00-14.30 LUNCH

Afternoon

14.30-15.15 The neonatal genitalia - how to approach congenital malformations particularly in girls and undetermined sex/disorders of sexual development, as well as other common queries

15.15-15.20 *Questions and Answers*

15.20-16.00 Urogenital tract US in infancy: what to do with neonatally diagnosed conditions for follow-up? Imaging algorithms and beyond

16.00-16.15 BREAK

16.15-17.00 Urogenital tract US in neonates and infants – interactive case discussion

17.00 Closing of the Course