

## Lecturers

### Prof. Alan Daneman

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

### Dr. Eoghan Laffan

Children's Hospital of Eastern Ontario  
University of Ottawa, Canada

### 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 on-site participants.

The language of the Course is English.

### Course venue

#### GRAND HOTEL ADRIATICO

Via Maso Finiguerra, 9  
50123 Florence, Italy

### UEMS - European Union of Medical Specialist

An application will be made to the EACCME® for CME accreditation of this event.

*Only for the on-site participation*

### CME (ECM) – Continuing Medical Education

An application will be made to the CME accreditation of this event for the Italian participants.

REGISTRATION FEE FOR ON-SITE PARTICIPATION	Early bird fee by 28 February	Regular fee from 1 March*
Italian, European or Non European Individuals or Companies	€ 950,00 (VAT 22% included)	€ 1.100,00 (VAT 22% included)

\* It is not possible to register on-site

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

REGISTRATION FEE FOR ON-LINE PARTICIPATION	Early bird fee by 28 February	Regular fee from 1 March
European Individuals or Companies with VAT number	€ 450,82 (VAT exempt)	€ 573,77 (VAT exempt)
Non-European Individuals or Companies with VAT number		
European or Non-European or Italian Individuals and Italian Companies with VAT number	€ 550,00 (VAT 22% included)	€ 700,00 (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 Intesa Sanpaolo (Milan – nr. 01882)  
IBAN: IT57 D030 6909 4571 0000 0005 623  
SWIFT/BIC: BCITITMM

Please state the name of the participant and the name of the Course and send a copy of the bank transfer by email: [ultrasound2025@aimgroup.eu](mailto:ultrasound2025@aimgroup.eu)

#### By Credit Card

All major credit cards are accepted (VISA, Mastercard).

### Application

In order to submit your registration please visit the website: [web.aimgroupinternational.com/2025/ultrasound](http://web.aimgroupinternational.com/2025/ultrasound)

### Cancellation

The cancellation should be notified to the Organizing Secretariat ([ultrasound2025@aimgroup.eu](mailto:ultrasound2025@aimgroup.eu)) in writing only. The registration fees less than 25% administrative charges will be refunded if the cancellation is announced before February 19, 2025. 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 Grand Hotel Adriatico. Individual participants can book directly on the hotel website ([www.hoteladriatico.it](http://www.hoteladriatico.it)) by entering the discount code NEONATALCOURSE2025. The booking deadline with the discount rate is February 20, 2025 or until availability lasts.

### Provider



#### AIM Education

Viale Enrico Forlanini, 23 - 20134 Milan, Italy  
Tel. +39 02 56601.1  
[cme@aimgroup.eu](mailto:cme@aimgroup.eu)  
[www.aimeducation.it](http://www.aimeducation.it)

### Organizing Secretariat



#### AIM Italy - Florence Office

Viale G. Mazzini, 70 - 50132 Florence, Italy  
Ph. +39 02 56601.1  
[web.aimgroupinternational.com/2025/ultrasound](http://web.aimgroupinternational.com/2025/ultrasound)  
[ultrasound2025@aimgroup.eu](mailto:ultrasound2025@aimgroup.eu)

# 2025 Neonatal Ultrasound Course. Why, how and when an ultrasound image?

Florence, 24-27 March 2025

Grand Hotel Adriatico

## PROGRAMME

### DIRECTOR

#### Dr. Antonio La Torre

Neonatology Department  
AOU Careggi Hospital  
Florence, Italy

# MONDAY, 24 March 2025

## Morning

### Dr. Antonio La Torre

08.30-08.50 Introduction to the Course: the problems and the future of Ultrasonography

08.50-09.30 The corner of US Physics: what is useful to remember? (first part)

09.30-09.40 *Questions and Answers*

### Prof. George A. Taylor

## US imaging of Neonatal Brain (first part)

09.40-10.20 Basic Scanning Technique

10.20-10.30 *Questions and Answers*

10.30-10.50 COFFEE BREAK

10.50-11.30 Normal Development and variants

11.30-11.40 *Questions and Answers*

11.40-12.10 Advanced Scanning Approaches & Techniques

12.10-12.20 *Questions and Answers*

12.20-12.50 Introduction to Doppler Cerebral Hemodynamics

12.50-13.00 *Questions and Answers*

13.00-14.00 LUNCH

## Afternoon

14.00-14.40 Cerebral doppler in clinical practice

14.40-14.50 *Questions and Answers*

14.50-15.20 Posterior Fossa: normal and pathological findings

### Dr. Antonio La Torre

15.20-16.20 The corner of US Physics: what is useful to remember? (second part)

16.20-16.30 *Questions and Answers*

16.30-19.00 **PRACTICAL SESSION WITH PHANTOMS**

# TUESDAY, 25 March 2025

## Morning

### Dr. Antonio La Torre

08.30-09.00 The corner of US Physics: what is useful to remember? (third part)

### Prof. George A. Taylor

## US imaging of Neonatal Brain (second part)

09.00-10.00 Brain injury in the premature

10.00-10.10 *Questions and Answers*

10.10-10.40 Anatomic and Hemodynamic Evaluation of Hydrocephalus

10.40-10.50 *Questions and Answers*

10.50-11.10 COFFEE BREAK

11.10-12.10 Brain injury in term and near term infants

12.10-12.20 *Questions and Answers*

12.20-12.50 Interesting Cases

12.50-13.00 *Questions and Answers*

13.00-14.00 LUNCH

## Afternoon

### Dr. Eoghan Laffan

## US imaging of Neonatal Spine and Chest

14.00-14.45 Neonatal Spine US

14.45-14.55 *Questions and Answers*

14.55-15.55 Neonatal Chest US

15.55-16.00 *Questions and Answers*

16.00-16.30 Other Uses of Ultrasound in the Neonate

16.30-19.00 **PRACTICAL SESSION WITH PHANTOMS**

# WEDNESDAY, 26 March 2025

## Morning

### Dr. Eoghan Laffan

## US imaging of Neonatal Lung

08.30-09.15 Neonatal Lung US 1

09.15-09.20 *Questions and Answers*

09.20-10.00 Neonatal Lung US 2

10.00-10.20 COFFEE BREAK

### Prof. Alan Daneman

## US imaging of Neonatal Abdomen

10.20-11.15 Optimizing technique and unique sonographic anatomy in the neonatal abdomen (adrenal & pancreas)

11.15-11.20 *Questions and Answers*

11.20-12.10 US of the gastrointestinal tract: obstructions and other anomalies

12.10-12.20 *Questions and Answers*

12.20-12.50 US of neonatal liver and spleen

12.50-13.00 *Questions and Answers*

13.00-14.00 LUNCH

## Afternoon

### Prof. Alan Daneman

14.00-14.50 US of neonatal necrotizing enterocolitis: US appearances, classifications and pitfalls

14.50-15.00 *Questions and Answers*

15.00-15.50 US of neonatal abdominal and pelvic masses

15.50-16.00 *Questions and Answers*

16.00-17.00 Abdomen US in neonates-interactive case discussion

# THURSDAY, 27 March 2025

## Morning

### Dr. Antonio La Torre

08.30-09.00 Quality Assurance and Safety in US

### Prof. Michael Riccabona

## US of the urogenital tract in neonates & infants

09.00-09.45 How to do a good sonographic assessment of the neonatal urogenital tract, including special investigations such as ce-VUS or US-genitography

09.45-10.30 Normal findings in neonates

10.30-10.40 *Questions and Answers*

10.40-11.00 COFFEE BREAK

11.00-11.40 Congenital conditions-CAKUT: the role of US in these conditions in neonates and common findings, with reference to additional or alternative imaging

11.40-12.20 Urinary tract dilatation in neonates-how to address

12.20-12.30 *Questions and Answers*

12.30-13.00 Other congenital, hereditary or genetic conditions as relevant for neonatal UGT imaging - with focus on cystic kidney disease

13.00-14.00 LUNCH

## Afternoon

14.00-14.40 Role of sonography in congenital malformations of the neonatal genitalia, particularly also addressing undetermined sexual development, as well as important acquired neonatal genital conditions

14.40-14.50 *Questions and Answers*

14.50-15.30 Common or important acquired urinary tract disease in neonates and infants: urinary tract inflammation (and vesico-ureteric reflux), trauma, vascular impairment and others

15.30-16.00 Miscellaneous other acquired conditions of the urogenital tract, with some remarks on important tumours in this age group

16.00-16.10 *Questions and Answers*

16.10-17.00 Interactive case discussion

17.00 Closing of the Course