

## 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 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.  
*Only for the on-site participation*

REGISTRATION FEE FOR ON-SITE PARTICIPATION	Early bird fee by 19 February	Regular fee by 20 February*
Italian, European or Non European Individuals or Companies	€ 940,00 (VAT 22% included)	€ 1.090,00 (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 19 February	Regular fee by 20 February
European Individuals or Companies with VAT number	€ 442,62 (VAT exempt)	€ 565,57 (VAT exempt)
Non-European Individuals or Companies with VAT number		
European or Non-European or Italian Individuals and Italian Companies without VAT number	€ 540,00 (VAT 22% included)	€ 690,00 (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 participant and the name of the Course and send a copy of bank transfer by email:  
ultrasound2024@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/2024/ultrasound

### Cancellation

The cancellation should be notified to the Organizing Secretariat (ultrasound2024@aimgroup.eu) in writing only. The registration fees less than 25% administrative charges will be refunded if the cancellation is announced before. 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) by entering the discount code NEONATALCOURSE2024. The booking deadline with the discount rate is 20 February 2024 or until availability lasts.

### 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/2024/ultrasound  
ultrasound2024@aimgroup.eu

# 2024 Neonatal Ultrasound Course. Why, how and when an ultrasound image?

Florence, 18-21 March 2024

Grand Hotel Adriatico

## PROGRAMME

### DIRECTOR

#### Dr. Antonio La Torre

Neonatology Department  
AOU Careggi Hospital  
Florence, Italy

# MONDAY, 18 March 2024

## 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*
- 10.10-10.40 The Corner of US Physics: what is useful to remember? (second part)
- 10.40-10.50 *Questions and Answers*
- 10.50-11.10 COFFEE BREAK

### Prof. George A. Taylor

## US imaging of Neonatal Brain (first part)

- 11.10-11.40 Basic Scanning Technique
- 11.40-11.50 *Questions and Answers*
- 11.50-12.50 Normal Development and variants
- 12.50-13.00 *Questions and Answers*
- 13.00-14.00 LUNCH

## Afternoon

- 14.00-14.50 Advanced Scanning Approaches & Techniques
- 14.00-14.50 *Questions and Answers*
- 15.00-15.50 Introduction to Doppler Cerebral Hemodynamics
- 15.50-16.00 *Questions and Answers*
- 16.00-16.40 Cerebral doppler in clinical practice
- 16.40-16.50 *Questions and Answers*
- 16.50-17.00 Talk together

17.00-19.00 **PRACTICAL SESSION**  
*Head, abdomen, chest exam by training phantoms*

# TUESDAY, 19 March 2024

## Morning

### Dr. Antonio La Torre

- 08.30-09.00 The corner of US Physics: what is useful to remember? (third part)
- 09.00-09.10 *Questions and Answers*
- 09.10-09.30 Quality Assurance and Safety in US

### Prof. George A. Taylor

## US imaging of Neonatal Brain (second part)

- 09.30-10.30 Brain injury in the premature
- 10.30-10.40 *Questions and Answers*
- 10.40-11.00 COFFEE BREAK
- 11.00-11.40 Anatomic and Hemodynamic Evaluation of Hydrocephalus
- 11.40-11.50 *Questions and Answers*
- 11.50-12.50 Brain injury in term and near term infants
- 12.50-13.00 *Questions and Answers*
- 13.00-14.00 LUNCH

## Afternoon

- 14.00-14.50 Posterior Fossa: normal and pathologic findings
- 14.50-15.00 *Questions and Answers*
- 15.00-15.30 Brain US in neonates-interactive case discussion

### Dr. Eoghan Laffan

## US imaging of neonatal spine and small parts

- 15.30-16.15 Neonatal Spine US
- 16.15-16.25 *Questions and Answers*
- 16.25-17.00 A mixed bag of cases

17.00-19.00 **PRACTICAL SESSION**  
*Head, abdomen, chest exam by training phantoms*

# WEDNESDAY, 20 March 2024

## Morning

### Dr. Eoghan Laffan

## US imaging of Neonatal Chest

- 08.15-09.15 Neonatal Chest US
- 09.15-09.25 *Questions and Answers*
- 09.25-10.25 Neonatal Lung US
- 10.25-10.35 *Questions and Answers*
- 10.35-10.55 COFFEE BREAK

### Prof. Alan Daneman

## US imaging of neonatal abdomen

- 10.55-11.50 Optimizing technique and unique sonographic anatomy in the neonatal abdomen (adrenal & pancreas)
- 11.50-12.00 *Questions and Answers*
- 12.00-12.50 US of the neonatal gastrointestinal tract: obstructions and other anomalies
- 12.50-13.00 *Questions and Answers*
- 13.00-14.00 LUNCH

## Afternoon

- 14.00-14.50 US of neonatal necrotizing enterocolitis: US appearances, classifications and pitfalls
- 14.50-15.00 *Questions and Answers*
- 15.00-15.30 US of neonatal liver and spleen
- 15.30-15.40 *Questions and Answers*
- 15.40-16.20 US of neonatal abdominal and pelvic masses
- 16.20-17.00 Abdomen US in neonates-interactive case discussion

# THURSDAY, 21 March 2024

## Morning

### Prof. Michael Riccabona

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

- 08.30-09.15 How to do a good sonographic assessment of the neonatal urogenital tract, including special investigations such as ce-VUS or US-genitography
- 09.15-10.00 Normal findings in neonates
- 10.00-10.10 *Questions and Answers*
- 10.10-11.00 Congenital conditions-CAKUT: the role of US in these conditions in neonates and common findings
- 11.00-11.20 COFFEE BREAK
- 11.20-12.00 Urinary tract dilatation in neonates-how to address
- 12.00-12.10 *Questions and Answers*
- 12.10-13.00 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
- 14.40-14.50 *Questions and Answers*
- 14.50-15.30 Acquired disease: urinary tract inflammation (and vesico-ureteric reflux), trauma, vascular impairment and others
- 15.30-16.10 Acquired conditions of the neonatal genitalia and urogenital tract tumours
- 16.10-16.20 *Questions and Answers*
- 16.20-17.00 Interactive case discussion
- 17.00 Closing of the Course