

# 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, urogenital tract tumours and miscellaneous other neonatal conditions
- 16.10-16.20 *Questions and Answers*
- 16.20-17.00 Interactive case discussion
- 17.00 Closing of the Course

## 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](http://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

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### Organizing Secretariat



#### AIM Group International

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# 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

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