

PROVIDER AIM EDUCATION SRL ID 93

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

DATA: 24-27 marzo 2025

LUOGO DI SVOGIMENTO CON INDIRIZZO COMPLETO: Grand Hotel Adriatico– Via Maso Finiguerra, 9-50123 Firenze

TIPOLOGIA EVENTO: Residenziale

OBIETTIVO FORMATIVO TECNICO-PROFESSIONALI:

(18) - Contenuti tecnico-professionali (conoscenze e competenze) specifici di ciascuna professione, di ciascuna specializzazione e di ciascuna attività ultra-specialistica, ivi incluse le malattie rare e la medicina di genere

DESTINATARI DELL'ATTIVITÀ FORMATIVA:

Professione: MEDICO CHIRURGO

Disciplina: CARDIOLOGIA; ANGIOLOGIA, NEFROLOGIA; NEONATOLOGIA; NEUROLOGIA; PEDIATRIA; CHIRURGIA PEDIATRICA; GINECOLOGIA E OSTETRICIA; NEUROCHIRURGIA; UROLOGIA; NEURORADIOLOGIA; RADIODIAGNOSTICA; PEDIATRIA (PEDIATRI DI LIBERA SCELTA).

NUMERO PARTECIPANTI: 50

ORARIO INIZIO E FINE EVENTO:

24 marzo 2025:- 08.30- 19.00

25 marzo 2025: 08.30- 19.00

26 marzo 2025: 08.30- 17.00

27 marzo 2025: 08.30 -17.00

ORE ATTIVITA' FORMATIVA

NR. ORE ATTIVITA' ECM 32h e 40 minuti (di cui 5 h di sessioni pratiche)

N. CREDITI ASSEGNATI: 33,5

RESPONSABILE SCIENTIFICO: Antonio La Torre

QUOTA D'ISCRIZIONE: € 778,69

AIM EDUCATION | aimeducation.it

Viale E. Forlanini 23
20134 Milan, Italy
T +39 02 566011
info.aimeducation@aimgroup.eu

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Società a responsabilità limitata con unico socio soggetta ad attività di direzione e coordinamento della AIM Group International Spa - Cod. Fisc. 05075630482

Let's__together



RAZIONALE SCIENTIFICO:

The neonatal ultrasound course is attended by neonatologists, pediatricians and pediatric radiologists from different countries around the world.

The course is also open to another medical category present only abroad, the so-called sonographers.

Therefore, the main element that belongs to this course is having an international connotation, in addition to the fact of possessing a high quality of the lecturers present.

One of the most important aspects is the opportunity to directly and physically approach clinical cases that allow a comprehensive view of all the topics covered.

The topics covered go through different stages respectively: US imaging of neonatal brain, chest, abdomen and the urogenital tract in neonates and infants.

In the Course "US Physics" and "Quality and Safety in US" are other topics for definition of technological standards, that align with the best practices in the field.

Another important topic is the "Neonatal Spine US" with the aim to learn the normal and pathological pictures of the neonatal spine.

Indeed, the tool of urogenital tract ultrasound in infants and children offers participants the opportunity to come into direct contact with various pathological images not only of the neonatal urogenital tract itself, but also of renal hemodynamics.

The neonatal chest ultrasound and the technique it presupposes require advanced skills. Neonatal abdominal ultrasound provides insight into the limitations and utility of ultrasound of the gastrointestinal tract, liver, spleen, and pancreas.

Neonatal brain ultrasound allows participants to become familiar with various pathological images of the neonatal brain, including morphology and hemodynamics.

Imaging tests thus help participants understand many practical aspects of diagnosis and the importance of ultrasound follow-up.

The theoretical part of the course alternates gradually with an interactive and a practical part to enable the participants to have a complete overview.

OGGETTO DELLA TEMATICA TRATTATA:

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 the 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.

PROGRAMMA SCIENTIFICO

24 marzo 2025

Mattina

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

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

09.30-09.40 *Questions and Answers*
Antonio La Torre

US imaging of Neonatal Brain (first part)

09.40-10.20 Basic Scanning Technique
George A. Taylor

10.20-10.30 *Questions and Answers*
George A. Taylor

10.30-10.50 COFFEE BREAK

10.50-11.30 Normal Development and variants
George A. Taylor

11.30-11.40 *Questions and Answers*
George A. Taylor

11.40-12.10 Advanced Scanning Approaches & Techniques
George A. Taylor

12.10-12.20 Questions and Answers

George A. Taylor

12.20-12.50 Introduction to Doppler Cerebral Hemodynamics

George A. Taylor

12.50-13.00 Questions and Answers

George A. Taylor

13.00-14.00 LUNCH

Pomeriggio

14.00-14.40 Cerebral doppler in clinical practice

George A. Taylor

14.40-14.50 Questions and Answers

George A. Taylor

14.50-15.20 Posterior Fossa: normal and pathological findings

George A. Taylor

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

Antonio La Torre

16.20-16.30 Questions and Answers

Antonio La Torre

16.30-19.00 PRACTICAL SESSION WITH PHANTOMS – *interattività*

(I partecipanti si divideranno in 3 gruppi da 16 pax/cad.gruppo, per garantire un'adeguata partecipazione alle attività pratiche.

Tutti i partecipanti seguiranno lo stesso percorso formativo)

TOPICS: Cerebrale – parte 1 -Tutor: A. Taylor

Addominale – parte 1 – Tutor: A. Daneman

Toracica – parte 1- Tutor: E. Laffan, A.La Torre)

25 marzo 2025

MATTINA

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

Antonio La Torre

US imaging of Neonatal Brain (second part)

09.00 – 10.00 Brain injury in the premature

George A. Taylor

10.00 – 10.10 *Questions and Answers*

George A. Taylor

10.10 – 10.40 Anatomic and Hemodynamic Evaluation of Hydrocephalus

George A. Taylor

10.40-10.50 *Questions and Answers*

George A. Taylor

10.50 – 11.10 COFFEE BREAK

11.10-12.10 Brain injury in term and near term infants

George A. Taylor

12.10-12.20 *Questions and Answers*

George A. Taylor

12.20-12.50 Interesting Cases

George A. Taylor

12.50-13.00 *Questions and Answers*

George A. Taylor

13.00 – 14.00 LUNCH

POMERIGGIO

US imaging of Neonatal Spine and Chest

14.00-14.45 Neonatal Spine US

Eoghan Laffan

14.45-14.55 *Questions and Answers*

Eoghan Laffan

14.55-15.55 Neonatal Chest US

Eoghan Laffan

15.55-16.00 *Questions and Answers*

Eoghan Laffan

16.00-16.30 Other Uses of Ultrasound in the Neonate

Eoghan Laffan

16.30-19.00 PRACTICAL SESSION WITH PHANTOMS – *interattività*

(I partecipanti si divideranno in 3 gruppi da 16 pax/cad.gruppo, per garantire un'adeguata partecipazione alle attività pratiche.

Tutti i partecipanti seguiranno lo stesso percorso formativo)

TOPICS: Cerebrale – parte 2 -Tutor: A. Taylor

Addominale – parte 2 – Tutor: A. Daneman

Toracica – parte 2- Tutor: E. Laffan, A.La Torre)

26 MARZO 2025

Mattina

US imaging of Neonatal Lung

08.30 - 09.15 Neonatal Lung US 1

Eoghan Laffan

09.15 - 09.20 Questions and Answers

Eoghan Laffan

09.20-10.00 Neonatal Lung US 2

10.00-10.20 COFFEE BREAK

US imaging of Neonatal Abdomen

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

Alan Daneman

11.15-11.20 Questions and Answers

Alan Daneman

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

Alan Daneman

12.10-12.20 Questions and Answers

Alan Daneman

12.20-12.50 US of neonatal liver and spleen

Alan Daneman

12.50-13.00 Questions and Answers

Alan Daneman

13.00-14.00 LUNCH

POMERIGGIO

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

Alan Daneman

14.50-15.00 Questions and Answers

Alan Daneman

15.00-15.50 US of neonatal abdominal and pelvic masses

Alan Daneman

15.50-16.00 Questions and Answers

Alan Daneman

16.00-17.00 Abdomen US in neonates-interactive case discussion

Alan Daneman

27 MARZO 2025

MATTINA

08.30-09.00 Quality Assurance and Safety in US

Antonio La Torre

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

Michael Riccabona

09.45-10.30 Normal findings in neonates

Michael Riccabona

10.30-10.40 Questions and Answers

Michael Riccabona

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

Michael Riccabona

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

Michael Riccabona

12.20-12.30 Questions and Answers

Michael Riccabona

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

Michael Riccabona

13.00-14.00 LUNCH

POMERIGGIO

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

Michael Riccabona

14.40-14.50 Questions and Answers

Michael Riccabona

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

Michael Riccabona

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

Michael Riccabona

16.00-16.10 Questions and Answers

Michael Riccabona

16.10-17.00 Interactive case discussion

Michael Riccabona

17.00 Closing of the Course

A.La Torre