

2022 Neonatal Ultrasound Course. Why, how and when an ultrasound image?

Webinar Course, 21-23 March 2022

PROGRAMME

DIRECTOR

Dr. Antonio La Torre

*Neonatology Department,
AOU Careggi Hospital, Florence, Italy*

MONDAY, 21 March 2022

Morning

Dr. Antonio La Torre

- 09.15-09.45 Introduction to the Course
- 09.45-10.05 The Corner of US Physics:
what is useful to remember? (part 1)
- 10.05-10.25 The Corner of US Physics:
what is useful to remember? (part 2)
- 10.25-10.35 Tests and Questions

Dr. Eoghan Laffan

US imaging of Neonatal Chest

- 10.35-11.20 Neonatal Chest US
- 11.20-11.30 Tests and Questions
- 11.30-12.15 Neonatal Lung US
- 12.15-12.30 Tests and Questions
- 12.30-13.30 *BREAK*

Afternoon

Prof. George A. Taylor

US imaging of Neonatal Brain (First Part)

- 13.30-14.10 Basic Scanning Technique
- 14.10-14.20 Tests and Questions
- 14.20-15.00 Normal Development and variants
- 15.00-15.10 Tests and Questions
- 15.10-16.00 Advanced Scanning Approaches & Techniques
- 16.00-16.10 Tests and Questions
- 16.10-17.00 Introduction to Doppler Cerebral Hemodynamics
- 17.00-17.10 Tests and Questions

TUESDAY, 22 March 2022

Morning

Dr. Antonio La Torre

- 09.30-09.50 The Corner of US Physics:
what is useful to remember? (part 3)
- 09.50-10.00 Tests and Questions
- 10.00-10.20 Quality Assurance and Safety in US
- 10.20-10.30 Tests and Questions

Dr. Eoghan Laffan

US Imaging of Neonatal Spine, Small Parts and other uses for US

- 10.30-11.10 Neonatal Spine US
- 11.10-11.20 Tests and Questions
- 11.20-12.00 Small Parts and other uses for US
- 12.00-12.10 Tests and Questions
- 12.10-13.30 *BREAK*

Afternoon

Prof. George A. Taylor

US imaging of Neonatal Brain (Second Part)

- 13.30-14.10 The spectrum of Brain Injury with Advancing
Gestational Age
- 14.10-14.20 Tests and Questions
- 14.20-15.00 Anatomic and Hemodynamic Evaluation of
Hydrocephalus
- 15.00-15.10 Tests and Questions
- 15.10-16.00 Posterior Fossa: Normal and Pathologic
Findings
- 16.00-16.10 Tests and Questions
- 16.10-17.00 Instructive Cases & Discussion

WEDNESDAY, 23 March 2022

Dr. Eoghan Laffan
Prof. Alan Daneman

US imaging of the urogenital tract in neonates and infants

Morning

Dr. Eoghan Laffan

- 09.30-10.10 Introduction to technique, normal findings and congenital variants
- 10.10-10.20 Tests and Questions
- 10.20-11.00 Congenital Anomalies of the Urogenital Tract
- 11.00-11.10 Tests and Questions
- 11.10-11.50 Other Conditions of the Urogenital Tract
- 11.50-12.00 Tests and Questions

Prof. Alan Daneman

- 12.00-12.30 Sonography of the renal parenchyma and renal vessels in Neonates
- 12.30-12.40 The movie of a Kidney US exam
- 12.40-12.50 Tests and Questions
- 12.50-13.30 *BREAK*

WEDNESDAY, 23 March 2022

Afternoon

Prof. Alan Daneman

US imaging of the urogenital tract in neonates and infants

- 13.30-14.00 Optimizing US technique for imaging the neonatal abdomen and pelvis
- 14.00-14.10 Tests and Questions
- 14.10-14.40 US of the neonatal gastrointestinal tract: obstructions and other anomalies
- 14.40-14.50 Tests and Questions
- 14.50-15.20 US of neonatal necrotizing enterocolitis: US appearances, classifications and pitfalls
- 15.20-15.30 Tests and Questions
- 15.30-16.00 US of neonatal Adrenal, Pancreas, Biliary tract, Liver and Spleen
- 16.00-16.10 Tests and Questions
- 16.10-16.40 US of neonatal abdominal and pelvic masses
- 16.40-16.50 Tests and Questions
- 16.50-17.10 US of abdominal vessels catheters
- 17.10-17.20 Tests and Questions
- 17.20-17.30 Closing Remarks

Lecturers

Dr. Eoghan Laffan

Department of Radiology,
Children's Hospital Ireland at Crumlin, Dublin, Ireland

Prof. Alan Daneman

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

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
- In the practical session, imaging tests will be made to help participants understand many practical issues of diagnosis and the importance of ultrasound follow-up

Ultrasound imaging of neonatal chest, spine and small parts

- To understand the technique of the exam which needs high Skill

Ultrasound imaging of neonatal abdomen

- To understand limits and usefulness of gastrointestinal tract, liver, spleen and pancreas ultrasound imaging
- In the practical session, imaging tests will be made to help participants 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
- In the practical session, imaging tests will be made to help participants 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

The course will be held in webinar mode, it will be addressed to paediatricians, neonatologists, paediatric radiologists and sonographers.

Case discussions and tests will be included in the programme.

English is the official language.

Registration fee

	by 15 February 2022	by 15 March 2022
Registration fee (VAT 22% included)	€ 470,00	€ 500,00

Application

In order to submit your registration, please visit the website:

web.aimgroupinternational.com/2022/ultrasound

Registered participants will be sent a link to participate to the course.

Cancellation

Cancellation must be sent in writing. In case of cancellation before **26 February 2022** a 75% refund of the participation fee will be provided.

After this date no refunds will be provided.

Organizing Secretariat



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