



Upper Abdominal Ultrasound in Pediatric Patients Course

Date: Saturday, 13.06.26

Venue:

St Luke's Hospital
Panorama
55236, Thessaloniki
Greece

Participation fee: €500

Maximum number of participants: 32

Faculty: Filothei ChatzispYROglou, Pediatrician – Pediatric Gastroenterologist

Target level of education: Advanced

Overview of the course

Abdominal and intestinal ultrasonography in children and adolescents is a safe, non-invasive, and low-cost diagnostic method that does not require special patient preparation. When properly applied and performed by a sufficiently experienced examiner, it can replace outdated examinations of limited diagnostic value (e.g., abdominal X-ray), as well as higher-cost examinations that involve exposure to ionizing radiation (e.g., abdominal computed tomography). Therefore, it is recommended as a fundamental tool in

modern clinical practice for the diagnosis and follow-up of children and adolescents with acute and chronic gastrointestinal diseases.

This seminar aims not only to teach fundamental and advanced principles of gastrointestinal ultrasonography, but also to familiarize participants with the clinically most significant findings in its pathology.

Learning objectives

- Understanding of the fundamental physics of ultrasonography
- Image optimization and operation, adjustment of ultrasound equipment
- Understanding of advanced cross sectional area ultrasound of the upper gastrointestinal tract
- Identification of the normal appearance (cross sectional area, echogenicity) of liver, pancreas, spleen, gallbladder and biliary tract
- Identification of anatomical landmarks and positions used for spatial guidance
- Acquisition of all the necessary skills in order to perform gastrointestinal ultrasound in pediatric patients efficiently
- Interpretation of normal/pathological findings in everyday clinical scenarios.

Scientific programme

Time	Topic
08:30 – 09:00	Arrival – Registration
09:00	Brief welcome address by the representative of Scientia

09:00-09:30 Fundamental Physical Principles of Ultrasonography

- Imaging technique – Standardized anatomical scanning planes
- Commonly encountered artifacts
- Operation and adjustment of ultrasound equipment
- Specialized ultrasound terminology
- Documentation of images and clinical findings

**09:30 – 10:00 Vascular Structures of the Upper Abdomen / Liver –
Theory**

- Anatomy of the main vascular structures of the upper abdomen
- Normal liver: dimensions, texture, internal structure, normal variants
- Hepatic vessels
- Imaging technique
- Brief overview of the most common focal and diffuse liver lesions in the pediatric population

**10:00–11:30 Vascular Structures of the Upper Abdomen / Liver–
Practical training (hands on)**

11:30–11:45 Short coffee break

11:45–12:15 Gallbladder and Biliary Tract – Theory

- Anatomy – Normal variants

- Imaging technique
- Pathological findings in the pediatric population (including biliary atresia – brief overview)
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12:15 – 13:45 Gallbladder and Biliary Tract – Practical training (hands on)

13:45 – 14:15 Short lunch break

14:15 – 14:45 **Pancreas / Spleen – Theory**

- Topography and anatomy of the pancreas, characteristics of normal findings
- Topography and anatomy of the spleen, characteristics of normal findings
- Imaging techniques
- Most common pathological findings in the pediatric population – Brief overview

14:45–16:15 **Pancreas / Spleen – Practical training (hands on)**

16:15 – 16:30 Interactive Quiz

16:30

Closing remarks - Evaluation - End of seminar