



GASTROINTESTINAL ULTRASOUND

Date: Saturday, 23.05.26

Venue:

Gastroenterological Diagnosis
66 Herodotou Street
62125, Serres

Participation fee: €500

Maximum number of participants: 32

Faculty: Georgios Tsionis and Theodoros Tsionis, Gastroenterologists

Target level of education: Advanced

Overview of the course

Gastrointestinal ultrasound has become an essential diagnostic tool in modern clinical practice, offering a safe, non-invasive, and cost-effective approach to evaluating a wide range of acute and chronic gastroenterological conditions. This portable, radiation-free imaging technique provides immediate diagnostic information that can guide critical therapeutic decisions in real time.

This hands-on seminar is designed not only to introduce all the necessary knowledge on gastrointestinal ultrasound, but also to focus on practical training, image acquisition, and interpretation of normal/pathological findings in everyday clinical scenarios.

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, 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 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

Liver – Theory

- Anatomy – Normal variants
- Imaging technique
- Most common diffuse and focal lesions

10:00-11:30

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
- Gallstones and other common diseases

12:15 – 13:45

**Gallbladder and Biliary Tract – Practical training
(hands on)**

13:45 – 14:15

Short lunch break

14:15 – 14:45

Pancreas – Theory

- Anatomy – Normal variants
- Imaging technique
- Normal dimensions and pathological findings

14:45-16:15

Pancreas – Practical training (hands on)

16:15 – 16:30

Interactive Quiz

16:30

Closing remarks – Evaluation – End of seminar