



INTESTINAL ULTRASOUND

Date: Saturday, 17.10.26

Venue:

Gastroenterological Diagnosis
66 Herodotou Street
62125, Serres
Greece

Participation fee: €400

Maximum number of participants: 10

Faculty: Georgios Tsionis and Theodoros Tsionis, Gastroenterologists,
DEGUM Certified

Target level of education: Advanced

Overview of the course

Intestinal ultrasound (IUS) has become an essential diagnostic tool in modern clinical practice, providing a safe, non-invasive, and cost-effective approach to the evaluation of an expanding spectrum of gastrointestinal diseases, including acute appendicitis, acute diverticulitis, intestinal obstruction, intestinal ischemia, neoplasms, and other less common conditions. Its most important clinical application, however, is in the assessment and management of inflammatory bowel diseases (IBD).

This educational seminar aims to introduce the fundamental principles of intestinal ultrasound and to familiarize participants with its most clinically relevant findings in inflammatory bowel diseases, particularly Crohn's disease and ulcerative colitis, as well as in a range of non-IBD intestinal pathologies.

Learning objectives

- Understanding the fundamental principles of ultrasound physics
- Optimizing image quality and adjusting ultrasound equipment appropriately
- Understanding the ultrasound anatomy of the intestinal tract
- Identifying the normal sonographic appearance of intestinal structures, including cross-sectional area and echogenicity
- Identifying anatomical landmarks and positions used for spatial orientation
- Becoming familiar with the essential skills required to perform intestinal ultrasound effectively
- Becoming familiar with the most common pathological findings in inflammatory bowel disease (IBD), including ulcerative colitis (UC) and Crohn's disease (CD)

Scientific programme

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**

- Operation and adjustment of the ultrasound machine –
Specialized Vocabulary

09:30–09:40 **Introduction to the ultrasound device – hands on**

09:40-10:15 Fundamental principles of Intestinal Ultrasound (IUS) – Theory

- Imaging technique – Standardized anatomical scan planes
 - Systematic identification – Examination of all segments
 - Frequently encountered artifacts
 - Which parameters are evaluated with IUS
 - Documentation of images and clinical findings
-

10:15-11:15 Fundamental principles of Intestinal Ultrasound (IUS) – hands on

11:15-11:30 Short coffee break

11:30-12:00 IUS in Ulcerative colitis (UC)

- Indications – Utility – Diagnostic accuracy and limitations of IUS in UC
 - Parietal and extraparietal findings in uncomplicated UC – UC complications
 - Scoring indices – How IUS impacts daily clinical practice in UC
-

12:00-13:00 IUS in Ulcerative colitis (UC) – hands on

13:00-13:30 Short lunch break

13:30-14:00 IUS in Crohn's Disease (CD)

- Indications – Utility – Diagnostic accuracy and limitations of IUS in CD

- Parietal and extraparietal findings in uncomplicated CD – UC complications
- Scoring indices – How IUS impacts daily clinical practice in CD

14:00-15:00 IUS in Crohn's Disease (CD) – hands on

15:00-15:30 IUS in non-IBD pathologies – Theory

15:30-14:30 IUS in non-IBD pathologies – hands on

16:30 Closing remarks – End of seminar