



LUNG ULTRASOUND COURSE

Date: Saturday, 16.05.26

Venue:

Gastroenterological Diagnosis

66 Herodotou Street

62125, Serres

Participation fee: €500

Maximum number of participants: 32

Faculty: [Anastasia Kyriatzi](#), Pneumonologist

Target level of education: Advanced

Overview of the course

Lung ultrasonography has emerged as an invaluable tool in modern clinical practice, transforming the way clinicians assess respiratory conditions at the patient's bedside. 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 lung ultrasonography, 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 anatomy of the lungs and chest organs
- Identification of anatomical landmarks and positions used for spatial guidance
- Acquisition of all the necessary skills in order to perform lung ultrasonography 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

- Basic anatomy and physiology.
- Operation and adjustment of ultrasound equipment
- Specialized ultrasound terminology

09:30 – 10:00

Lung – Theory

- Anatomy – Normal variants
- Imaging technique – Ultrasound positions and guiding landmarks during the examination

- Anatomical landmarks and positions used for spatial guidance.

10:00-11:30

Lung – practical training (hands on)

11:30-11:45

Short coffee break

11:45-12:15

Fluid imaging on ultrasound – Pleural effusion

- Air imaging on ultrasound – Pneumothorax.
- Imaging of interstitial tissue structures.

12:15 – 13:45

Imaging of fluid, air, interstitial tissue structures - practical training (hands on)

13:45 – 14:15

Short lunch break

14:15 – 14:45

Pneumonia – Diagnostic value of ultrasound in diagnosis and follow-up

14:45-16:15

Pneumonia – practical training (hands on)

16:15 – 16:30

Interactive Quiz

16:30

Closing remarks – Evaluation – End of seminar