



ULTRASOUND IN ANESTHESIOLOGY

Date: Saturday, 28.11.26

Venue:

Panorama Hotel
Analipseos 26 Panorama,
Thessaloniki, PC 55236, Greece

Participation fee: €500

Maximum number of participants: 10

Faculty: Eleni Rafailidou, Anesthesiologist, DEGUM and DGAI Certified

Target level of education: Advanced

Overview of the course

Ultrasound has evolved into an essential and practical tool in modern anesthesiology. From vascular access and regional anesthesia to the assessment of emergency situations, it enables faster, safer and more accurate clinical evaluation. Ultrasound-guided techniques have significantly improved the success rates of medical procedures while simultaneously reducing complications.

This informational seminar places particular emphasis on hand-on approach, aiming to ensure deep understanding of ultrasound skills. Participants will be trained in anesthesiological ultrasound handling, image optimization

techniques and identification of key anatomical structures. Practice on simulation models provides a realistic environment for developing fundamental techniques and skills.

Learning objectives

- Understanding the fundamental principles of ultrasound physics
- Optimizing image quality and adjusting ultrasound equipment appropriately
- Understanding the ultrasound anatomy of peripheral nerves, arteries and veins
- Identifying the normal sonographic appearance of neural and vascular 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 local anesthesia
- Becoming familiar with the most common blocks, such as axillary, rescue, femoral, adductor, but also with FAST and lung ultrasound protocols

Scientific programme

Time	Theme
08:30 – 09:00	Registration – Welcome
09:00 – 09:15	Brief welcome address by the Scientia representative
09:15 – 09:45	Ultrasound Basics
	Probe handling, image optimization, artifacts, in-plane vs. out-of-plane techniques
09:45 – 10:45	Ultrasound-guided vascular Access / Hands on

Jugular/Subclavian/Femoral Vein, Radial/Brachial Artery

10:45 – 11:15 **Ultrasound-guided vascular Access on phantoms**

11:15 – 11:30 Coffee break

11:30 – 11:45 **Axillary Block & Rescue Blocks**

Anatomy and Landmarks

11:45 – 12:45 **Axillary Block & Rescue Blocks / Hands on**

12:45 – 13:15 **Ultrasound – guided Nerve Blocks on phantoms**

13:15 – 13:45 Lunch break

13:45 – 14:00 **Femoral Block and Adductor Canal Block**

Anatomy and Landmarks

14:00 – 15:00 **Femoral Block and Adductor Canal Block / Hands on**

15:00 – 15:30 **FAST Protocol in Anesthesia**

Anatomy and Landmarks

15:30 – 15:45 **Lung Ultrasound**

Key Anatomy

15:45 – 16:45 **Lung Ultrasound / Hands on**

Pneumothorax, B-lines, Pleural Effusion

16:45 – 17:00 Interactive Quiz

17:00 Closing remarks – End of seminar