



NERVE ULTRASOUND COURSE

Date: Saturday, 09.05.26

Venue:

Gastroenterological Diagnosis
66 Herodotou Street
62125, Serres

Participation fee: €500

Maximum number of participants: 32

Faculty: Prof. [Antonios Kerasnoudis](#), Neurologist

Target level of education: Advanced

Overview of the course

Ultrasound imaging of the peripheral nervous system has emerged as an invaluable tool in modern clinical practice, effectively complementing clinical and neurophysiological evaluation in both acute and chronic neurological disorders. 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 peripheral nerve 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 upper extremity
- Identification of normal appearance (cross sectional area, echogenicity) of peripheral nerves in the upper extremity
- Identification of the normal anatomical course of peripheral nerves in the upper extremity
- Identification of anatomical landmarks and positions used for spatial guidance
- Acquisition of all the necessary skills in order to perform nerve 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

- Image optimization
- Operation and adjustment of ultrasound equipment

09:30 – 10:00

Median nerve – Ultrasonographic anatomy

- Anatomical course – Normal variants
- Anatomical landmarks and positions used for spatial guidance.

10:00-11:30	Median nerve – practical training (hands on)
11:30-11:45	Short coffee break
11:45-12:15	Ulnar nerve – Ultrasonographic anatomy <ul style="list-style-type: none"> • Anatomical course – Normal variants • Anatomical landmarks and positions used for spatial guidance.
12:15 – 13:45	Ulnar nerve – practical training (hands on)
13:45 – 14:15	Short lunch break
14:15 – 14:45	Radial nerve – Ultrasonographic anatomy <ul style="list-style-type: none"> • Anatomical course – Normal variants Anatomical landmarks and positions used for spatial guidance.
14:45-16:15	Radial nerve – practical training (hands on)
16:15 – 16:30	Interactive Quiz
16:30	Closing remarks – Evaluation – End of seminar