



INTERGRATED NEUROMUSCULAR ULTRASOUND- ELECTRODIAGNOSTIC COURSE - A FOCUS ON FOCAL MONONEUROPATHIES

Date: Saturday, 12.12.26

Venue:

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

Participation fee: €600

Maximum number of participants: 10

Faculty: Prof Eman Tawfik, Physical Medicine and Rehabilitation Specialist at the University of Cairo, AAPM&R Certified

Target level of education: Advanced

Overview of the course

Neuromuscular Ultrasound (MNUS) has become an essential diagnostic tool in any modern electromyography (EMG) lab. It provides important structural information, that complements the functional information obtained via electrodiagnostic studies and reveals findings that can impact diagnosis and management.

During this one-day, english speaking, course we will cover the electrodiagnostic and neuromuscular ultrasound approaches to focal mononeuropathies, as the most common cause of referral to EMG labs.

Learning objectives

- Understanding the fundamental principles of ultrasound physics
- Optimizing image quality and adjusting ultrasound equipment appropriately
- Understanding the ultrasound anatomy of peripheral nerves and carpal, cubital tunnel
- Identifying the normal sonographic appearance of peripheral nerves, tendons and muscles, including cross-sectional area and echogenicity
- Identifying anatomical landmarks and positions used for spatial orientation
- Becoming familiar with the ultrasound and electrophysiological approach to the most common focal mononeuropathies

Scientific programme

Time	Theme
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08:30 – 09:00	Registration – welcome
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09:00	Brief welcome from Scientia
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09:00 – 09:30	Theoretical part I: Electrodiagnostic approach to carpal tunnel syndrome (CTS)
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09:30 – 10:00	Theoretical part II: Neuromuscular Ultrasound (NMUS) Intro & approach to CTS
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10:00 – 11:30 Hands on: Carpal tunnel syndrome – NMUS diagnostic protocol

11:30 – 11:45 Short coffee break

11:45 – 12:15 Theoretical part III: Electrodiagnostic approach to cubital tunnel syndrome & radial neuropathy

12:15 – 12:45 Theoretical part IV: Neuromuscular Ultrasound (NMUS) approach to cubital tunnel syndrome (CUTS) & radial neuropathy

12:45 – 14:30 Hands-on: Cubital tunnel syndrome – NMUS diagnostic protocol

14:30 – 15:00 Lunch break

15:00 -15:30 Theoretical part V: Electrodiagnostic & Neuromuscular Ultrasound (NMUS) approach to fibular neuropathy

15:30 – 16:45 Hands-on: Dropfoot – NMUS diagnostic protocol

16:45 – 17:00 Quiz

17:00

Conclusion