



## **Ultrasound of the Spine and guided injections course**

**Date:** Saturday, 18.07.26

**Venue:**

St Luke's Hospital  
Panorama  
55236, Thessaloniki  
Greece

**Participation fee:** €500

**Maximum number of participants:** 16

**Faculty:** Alexandros Loizidis, Radiologist

**Target level of education:** Advanced

### **Overview of the course**

Ultrasound-guided injections have become a cornerstone of modern diagnostic and therapeutic approaches to musculoskeletal conditions. The ability of ultrasound to provide precise, real-time needle guidance, combined with the absence of ionizing radiation exposure for both patient and physician, offers a compelling alternative to CT-guided or fluoroscopy-guided injections.

This seminar is designed for physicians of all specialties interested in learning or enhancing their knowledge of ultrasound-guided injections of the spine and sacroiliac joints. The primary objective of this seminar is to familiarize physicians with the sonographic anatomy of the spine, serving as the initial

step for performing the aforementioned injections. The theoretical section will cover all anatomical landmarks, correct sonographic orientation, and needle visualization techniques. The presentation will be complemented by a demonstration of the injection procedure, highlighting practical considerations and common challenges encountered in daily clinical practice.

This seminar places particular emphasis on hands-on practice, aiming to provide participants with a solid scientific foundation upon which they can confidently build their clinical practice.

### **Learning objectives**

- Understanding of the fundamental physics of ultrasonography
- Image optimization and operation, adjustment of ultrasound equipment
- Understanding of advanced cross sectional area ultrasound of the spine
- Identification of the normal appearance (cross sectional area, echogenicity) of vertebrae, facet joints
- Identification of anatomical landmarks and positions used for spatial guidance
- Acquisition of all the necessary skills in order to perform ultrasound guided spinal injections efficiently
- Interpretation of normal/pathological findings in everyday clinical scenarios.

### **Scientific programme**

<b>Time</b>	<b>Topic</b>
08:30 – 09:00	Arrival – Registration
09:00	Brief welcome address by the representative of Scientia

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09:00-09:30                      The starting point of every cervical spine injection:  
Ultrasound of the brachial plexus

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09:30 – 10:00                      Cervical spine ultrasound and guided injections

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10:00-11:30                      Cervical spine ultrasound – practical session (hands on)

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11:30-11:45                      Short coffee break

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11:45-12:15                      Lumbar spine ultrasound and guided injections

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12:15 – 13:45                      Lumbar spine ultrasound – practical session (hands on)

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13:45 – 14:15                      Short lunch break

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14:15 – 14:45  
guided

Ultrasound of the sacral region of the spine and  
injections

14:45-16:15  
injections

**Ultrasound of the sacroiliac joints and guided**

**Ultrasound of the sacral region of the spine and  
sacroiliac joints – practical session (hands on)**

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16:15 – 16:30

Interactive Quiz

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16:30

Closing remarks – Evaluation – End of seminar