



ULTRASONOGRAPHY IN OTOLARYNGOLOGY

Date: Saturday, 30.05.26

Venue:

St. Luke's Hospital
Panorama
55236, Thessaloniki

Participation fee: €500

Maximum number of participants: 32

Faculty: Prof Konstantinos Mantsopoulos, Otorhinolaryngologist

Target level of education: Advanced

Overview of the course

Head and neck ultrasonography has become an increasingly important diagnostic tool in modern daily otolaryngology practice, offering a safe, painless, non-invasive, and cost-effective method for evaluating a particularly wide range of conditions. It is considered a first-line examination for investigating pathologies of the salivary glands, thyroid and parathyroid glands, cervical lymph nodes, as well as the soft tissues of the neck.

The ability to obtain immediate, dynamic, and repeatable real-time imaging allows for the timely diagnosis of inflammatory, obstructive, and neoplastic conditions, significantly contributing to accurate treatment planning and patient follow-up.

This seminar aims not only to teach the fundamental principles of head and neck ultrasonography but also to provide hands-on experience with the most clinically relevant sonographic findings in otolaryngology. Emphasis is placed on the systematic conduct of the examination, correct scanning technique, recognition of normal and pathological images, and correlating imaging findings with clinical history and physical examination.

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 thyroid and salivary glands, lymph nodes and soft tissues of the neck.
- Identification of the normal appearance (cross sectional area, echogenicity) of thyroid and salivary glands, lymph nodes
- Identification of anatomical landmarks and positions used for spatial guidance
- Acquisition of all the necessary skills in order to perform ultrasound in otolaryngology 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 <ul style="list-style-type: none">• Imaging technique• Commonly encountered artifacts• Adjustment and operation of ultrasound devices• Specialized ultrasonography terminology• Neck elastography |

- Image documentation – report generation
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09:30 – 10:00 **Ultrasonographic anatomy of the neck – Theory**

- Anatomy – Normal variations
 - Imaging technique
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10:00-11:30 **Cervical lymph nodes – Pharynx – Larynx**

Practical exercise (hands on)

11:30-11:45 Short coffee break

11:45-12:15 **Salivary glands – Theory**

- Ultrasonographic anatomy
 - Imaging technique
 - Sialolithiasis – Salivary gland tumors
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12:15 – 13:45 **Salivary glands – Practical exercise (hands on)**

13:45 – 14:15 Short lunch break

14:15 – 14:45

Thyroid gland – Parathyroid glands – Theory

- Ultrasonographic anatomy
- Imaging technique
- Normal appearance – Pathological findings

14:45–16:15

Thyroid gland – Parathyroid glands

Practical exercise (hands on)

16:15 – 16:30

Interactive Quiz

16:30

Closing remarks – Evaluation – End of seminar