



Applications of ultrasound in dermatology

Date: Saturday, 05.09.26

Venue:

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

Participation fee: €600

Maximum number of participants: 32

Faculty: Diana Crisan, Dermatologist

Target level of education: Advanced

Overview of the course

Highfrequency ultrasound is becoming an essential tool in dermatology because it enables a more precise, noninvasive, real-time characterization of normal skin structures as well as of the associated pathology (inflammatory, oncological, aesthetic complications), significantly improving diagnostic accuracy and treatment planning, enabling a more individualized approach towards our patients. During this one-day, english speaking, course we will cover the most important and relevant applications of ultrasound in the dermatological field:

- Fundamentals of ultrasound in dermatology

- Sonoanatomy of the integument and associated structures
- Ultrasound in inflammatory dermatoses
- Ultrasound in benign lesions
- Ultrasound in skin cancer and onco-surgery
- Applications of Ultrasound in aesthetics

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 skin
- Identification of the normal appearance of integument and associated structures
- Identification of pathological findings in inflammatory dermatoses, benign skin lesions and skin cancer
- Acquisition of all the necessary skills in order to perform ultrasound guided aesthetic facial injections efficiently
- Interpretation of normal/pathological findings in everyday clinical scenarios.

Scientific programme

Time	Topic
08:30 – 09:00	Registration – welcome
09:00	Brief welcome from Scientia

09:00-09:30 Imaging in dermatology

- Overview of imaging methods in dermatology
- US physics

- Tips and tricks
 - Sonoanatomy of the integument and associated structures (skin layers, appendages, neuro-vascular structures)
-

09:30 – 10:00 Ultrasound in inflammatory dermatoses

- Overview of sonographic aspects of various inflammatory conditions
 - Sonographic monitoring of topical/systemic therapies
-

10:00-11:30 Basic sonoanatomy – hands-on session

11:30-11:45 Short coffee break

11:45-12:15 Ultrasound in benign and malignant skin tumors

- Sonographic aspect of benign tumoral pathology
 - Applications of US in melanoma and non-melanoma skin cancer
 - Ultrasound-guided procedures in dermato-surgery
-

12:15 – 13:45 Inflammatory and Tumoral pathology – hands on

13:45 – 14:15 Lunch break

14:15 – 14:45 Role of US in aesthetic procedures

- Anatomy of the facial area
 - Danger Zones
 - Sonographic identification of various fillers
 - Sonographic identification of filler-related complications
-

14:45-16:15 Ultrasound in aesthetic medicine- hands on

16:15 – 16:30 Quiz

16:30 Conclusion