



## **Applications of Ultrasound in Dermatology**

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### **Course information**

Code number: SC0007  
Title: Applications of Ultrasound in Dermatology  
Faculty: Diana Crisan, Dermatologist  
Venue: Panorama Hotel  
Analipseos 26 Panorama,  
Thessaloniki, PC 55236, Greece

Date: 05.09.26

Level of education: Advanced

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### **Contact information**

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### **Course pre-requisites**

MD Degree from an internationally approved Faculty of Medicine

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## **Course description**

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

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## **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.
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## **Suggested Course Material**

F. Alfageme, E. Cerezo, Handbook of Skin Ultrasound. Self publication 2013

H. Xu, L. Guo, Q. Wang, Diagnostic Ultrasound in Dermatology. Springer 2022