

CUTANEOUS ULTRASOUND IN CLINICAL AND AESTHETIC DERMATOLOGY

Residents and Specialists Course | 02-04 March 2023 | Madrid, Spain

COURSE DESCRIPTION

The diagnosis of most skin diseases, both focal and diffuse, has been mainly relied upon physical examination findings. Studies show that ultrasonography is superior to clinical examination alone by providing valuable information in the detection and accurate measurement of many clinical and subclinical cutaneous lesions. The requirements for the non-invasive ultrasonic investigations of human skin from the dermatologist point of view were defined as it is expected to determine the size, contour, structure, and penetration depth of skin lesions. The procedure involving ultrasonography is a non-invasive method allowing “*in vivo*” and “in real time” histologic assessment of the cutaneous structure as well as its specific conditions. In the evaluation of cutaneous lesions, ultrasonography with colour Doppler is useful as a safe, non-invasive, economical, and repeatable diagnostic procedure that can reduce and replace invasive procedures like fine needle aspirations and biopsies. The general objectives of the course will be to learn the basic knowledge of the applications of ultrasound in the clinical practice of cutaneous ultrasound. As well as the spreading/ of the technique as a diagnostic tool in the daily reality of the dermatologist.

LEARNING OBJECTIVES

- Knowledge of the basic fundamentals of skin ultrasound
- Ultrasound knowledge of the different skin areas and skin appendages
- Ultrasound diagnosis of elementary skin sessions
- Ultrasound differential diagnosis of different skin tumours
- Ultrasound diagnosis of inflammation
- Diagnosis and treatment of pediatric skin pathology
- Ultrasound in dermo-aesthetics and ultrasound-guided procedures

FACULTY

Chair: Carmen Rodriguez-Cerdeira

Speakers: Irene Salgüero-Fernández, Constanza Martínez-Mera, Fernando Alfageme-Roldán, Lucia Turrión-Merino

PROGRAMME

Thursday, 02 March 2023

08:45-09:00 Welcome

Carmen Rodriguez-Cerdeira

09:00-09:30 What we know about cutaneous ultrasound and its implementation in our hospital

Gaston Roustan-Gullón, Fernando Alfageme-Roldán

09:30-09:45 Introduction: Beyond visual skin examination: Non-invasive techniques in the diagnosis of dermatological diseases

Carmen Rodriguez-Cerdeira

09:45-10:00 Ultrasound: Physical principles, semiology and artefacts

Carmen Rodriguez-Cerdeira

10:00-10:30 Utility ultrasound in photodynamic therapy

Lucía Turrión-Merino

10:30-11:00 Coffee Break

11:00-11:30 Ultrasound of normal skin, hair and nails

Fernando Alfageme-Roldán

11:30-12:00 Principles of Doppler and its application in dermatology

Irene Salgüero- Fernández

12:30-13:30 Practical sessions Hands on: Get it on in utrasound (with and without patients) *All speakers*

13:30-14:30 Lunch Break

14:30-16:30 Practical sessions - Hands on: Get it on in utrasound (with and without patients) *All Speakers*

16:30-17:30 Preparing US clinical case presentation (groups of 3-4)

Irene Salgüero- Fernández, Constanza Martínez- Mera

Friday, 03 March 2023

09:00-09:45 Ultrasound in cutaneous inflammatory disease

Fernando Alfageme- Roldán

09:45-10:30 Ultrasound in skin tumours

Constanza Martínez-Mera

10:30-11:00 Coffee Break

11:00-13:00 Practical sessions - Hands on (with patients)

All Speakers

13:00-13:30 Filler and aesthetic complications: Ultrasound diagnosis and follow-up

Fernando Alfageme-Roldán

13:30-14:30 Lunch Break

14:30-15:30 Ultrasound in vascular abnormalities and vascular tumours

Irene Salgüero-Fernández

15:30-16:00 Preparing US clinical case presentation (groups of 3-4)

Irene Salgüero- Fernández; Carmen Rodriguez-Cerdeira

16:00-17:30 Participants' presentations

All Speakers

20:00-22:00 Networking dinner with faculty and participants

Saturday, 04 March 2023

09:00-09:30 Ultrasound in follicular and nail diseases

Constanza Martínez- Mera

09:30-10:30 Ultrasound of lymph nodes

Irene Salgüero-Fernández

10:30-11:00 **Coffe Break**

11:00-13:00 Interactive cases

All Speakers

13:00-13:30 Quiz and discussion

All Speakers

13:30 Closing remarks and farewell

All Speakers

EADV Headquarters

Via S. Balestra 22B

6900 Lugano, Switzerland

Tel. +41 91 973 45 20

education@eadv.org - www.eadv.org