

Dermatologic Ultrasound in Clinical and Aesthetic Dermatology

Combined Course (Residents + Specialists) | 16-18 April 2026 | Madrid, Spain

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

Following this course, the attendee should be able to:

- ✓ 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

Chairs: Fernando Alfageme, Gaston Roustan Gullon
 Speakers: Valentina Dini, Diana Crisan, Irene Salgüero-Fernández
 Tutors: Constanza Martínez-Mera, Lucia Turrion Martinez

Programme

Thursday, 16 April 2026	
08:45-09:00	Welcome Gaston Roustan and Fernando Alfageme
09:00-09:30	What we know about cutaneous ultrasound and its implementation in our hospital Gaston Roustan-Gullón
09:30-10:00	Introduction: Beyond visual skin examination: Non-invasive techniques in the diagnosis of dermatological diseases Constanza Martinez
10:00-10:30	Ultrasound: Physical principles, semiology and artefacts Fernando Alfageme
10:30-11:00	Ultrasound of normal skin, hair and nails

	Lucía Turrión
11:00-11:30	Coffee Break
11:30-12:00	Principles of Doppler and its application in dermatology Irene Salgüero- Fernández
12:00-13:30	Practical sessions Hands on: Get it on in ultrasound (with and without patients) All speakers
13:30-14:30	Lunch Break
14:30-16:30	Practical sessions - Hands on: Get it on in ultrasound (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, 17 April 2026	
09:00-09:45	Ultrasound in cutaneous inflammatory disease Constanza Martinez
09:45-10:30	Ultrasound in skin tumors Lucía Turrion
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 tumors Irene Salgüero-Fernández
15:30-16:00	Introduction to Ultrasound guided procedures in dermatology Fernando Alfageme
16:00-17:30	Ultrasound guided procedures lab (groups of 3-4) All speakers
20:00-22:00	Networking event with faculty members and participants
Saturday, 18 April 2026	
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	Coffee Break
11:00-13:00	Case presentations
13:00-13:30	Quiz and discussion All Speakers
13:30	Closing remarks and farewell All Speakers

The programme might be subject to changes.

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