

# MUSCULOSKELTAL SONOGRAPHY COURSE

InterMediate Level

27– 29 October, 2023

Manama, Bahrain

*Organizing Office:  
Compass Conferences*



"EULAR endorsed course"

**eular** | EUROPEAN ALLIANCE  
OF ASSOCIATIONS  
FOR RHEUMATOLOGY

**Official Language**

English.

**Web site**

[www.compassconferences.com](http://www.compassconferences.com)

**Course Certification**

A certificate of attendance will be supplied.

**Registration**

Registration is intended to be open to all EULAR member countries as well as Other Countries. This course is recommended for Rheumatologists, Orthopaedics, Sport Surgeons and Medical Physicians, Radiologists, Anaesthetists, Physiatrist, and other specialties who are interested in incorporating MSUS into their clinical practice.

**Registration Fee**

The following options are considered as the course fee for the participants:

- A) Option 1: 3days Course, Educational material, Coffee Breaks & Meals announced within the program (Fee: 990 €).
- B) Option 2: 3 days Course, Educational material, Coffee Breaks & Meals announced within the program Standard Accommodation (2 nights in the Venue Hotel) (Fee: 1290€).

**Organizing Secretariat – Contact Person – Registration - Sponsorship**

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**Full Programme**

**Intermediate Musculoskeletal Sonography Course –  
Day 1 – Friday, October 27<sup>th</sup>, 2023**

<b>08.00 - 09.00</b>	<b>Registration – Welcome Reception</b>	
09.00 - 09.05	Welcome – Introduction	
09.05 - 09.30	Entering test of knowledge - Intermediate Level	
09.30 - 10.00	Technical characteristics and setting of Sonography equipment and sonographic pattern of musculoskeletal tissues	
10.00 -10.30	Doppler physics, technology and artefacts, setting optimization, indications and limitations in Musculoskeletal Disorders	
<b>10.30 -11.00</b>	<b>Coffee break</b>	
11.00 -12.00	<b>Workshop</b>	
	Supervised practical US machine settings, correct acquisition of images in normal musculoskeletal structures (muscles, tendons, bursae, ligaments, nerves, articular cartilage, joint space, joint recesses, joint capsules, and bony profile). Color and Power Doppler settings, its optimization., and Doppler artefacts.	<b>All Faculty</b>
12.00 -12.30	B-mode and Doppler synovitis. Definition, detection, quantification and pitfalls	
12.30 -13.00	B-mode and Doppler tenosynovitis. Definition, detection, quantification and pitfalls	
<b>13.00-15.00</b>	<b>Break for Lunch &amp; Prayer</b>	
15.00 -16.00	<b>Workshop</b>	
	Supervised hands-on scanning of patients with synovitis and tenosynovitis. Detection, quantification and pitfalls	<b>All Faculty</b>
16.00 -16.30	B-mode and Doppler enthesopathy and enthesitis, tendinosis and tendon tear - definition, detection, quantification and pitfalls	
16.30 -17.00	Validity and role of US in crystal-related arthropathies	
<b>17.00 -17.30</b>	<b>Coffee break</b>	
17.30 - 19.00	<b>Workshop</b>	
	Supervised hands-on scanning of patients with enthesopathy/enthesitis, tendinosis and tendon tear, and crystal-related arthropathies	<b>All Faculty</b>

**Intermediate Musculoskeletal Sonography Course –  
Day 2 - Saturday, October 28<sup>th</sup>, 2023**

	<b>US diagnosis of Lower Extremity pathology.</b>	<b>Faculty</b>
09.00 - 09.40	US diagnosis of Hip pathology, with live demo	
09.40 - 10.20	US diagnosis of Knee pathology, with live demo	
10.20 – 12.00	<b>Workshop</b>	
	<b>Supervised hands-on scanning of patients with inflammatory and degenerative disorders of Hip and Knee</b>	<b>All Faculty</b>
12.00 - 12.30	<b>Coffee break</b>	
12.30 – 13.10	US diagnosis of Ankle and Foot pathology with live demo	
13.10 - 14.00	<b>Workshop</b>	
	<b>Supervised hands-on scanning of patients with inflammatory and degenerative disorders of Ankle and Foot</b>	<b>All Faculty</b>
14.00 - 15.30	<b>Break for Lunch</b>	
	<b>US diagnosis of Upper Extremity pathology.</b>	
15.30 - 16.10	US diagnosis of Shoulder pathology, With live demo	
16.10 – 16.50	US diagnosis of Elbow pathology, with live demo	
16.50 - 17.15	<b>Coffee break</b>	
17.15 - 19.10	<b>Workshop</b>	
	<b>Supervised hands-on scanning of patients with inflammatory and degenerative disorders of Shoulder and Elbow</b>	<b>All Faculty</b>

**Intermediate Musculoskeletal Sonography Course –  
Day 3 - Sunday, October 29<sup>th</sup>, 2023**

<b>08.45 - 09.00</b>	<b>Registration</b>	
09.00 - 09.40	US diagnosis of Wrist and Hand pathology, with live demo	
<b>09.40 – 11.00</b>	<b>Workshop</b>	
	<b>Supervised hands-on scanning of patients with inflammatory and degenerative disorders of Wrist and Hand</b>	<b>All Faculty</b>
11.00 - 11.30	Documentation of US images and report of US findings	
<b>11.30 - 11.45</b>	<b>Coffee break</b>	
	<b>Sonographic-guided periarticular and articular injections for the Upper Extremity</b>	
11.45 - 12.15	Sonographic-guided periarticular and articular injections – Shoulder, Elbow, Wrist & Hand	
	<b>Sonographic-guided periarticular and articular injections for the Lower Extremity</b>	
12.15 - 13.15	Sonographic-guided periarticular and articular injections – Hip, Knee, Ankle & Foot	
<b>13.15 - 14.30</b>	<b>Lunch</b>	
<b>14.30 - 16.15</b>	<b>Workshop</b>	<b>All Faculty</b>
	<b>Supervised sonographic-guided injections</b>	
16.15 -16.45	Exit test of knowledge	
<b>16.45 – 17.15</b>	<b>Closing Remarks</b>	