

MUSCULOSKELTAL SONOGRAPHY COURSE

InterMediate Level

12– 14 October, 2018

Cairo, Egypt

*Organizing Office:
Compass Conferences*



EULAR endorsed Course

eular

fighting rheumatic & musculoskeletal
diseases together

Organizers

Ingrid Möller (Scientific Organizer)
Esperanza Naredo (Scientific Organizer)
Ayman Fahim (Organizer)

Faculty

Esperanza Naredo (Spain), MD PhD. Faculty member of the EULAR MSUS courses since 2000
Juhani Koski (Finland), MD PhD. Faculty member of the EULAR MSUS courses since 2000
Lene terslev, (Denmark), MD PhD. Faculty member of the EULAR MSUS courses since 2005
Ingrid Möller (Spain), MD PhD. Faculty member of the EULAR MSUS courses since 2007
Hilde Hammer (Norway), MD PhD Faculty member of the EULAR MSUS courses since 2010
David Bong (Spain), MD Faculty member of the EULAR MSUS courses since 2011.
Ayman Fahim (Egypt), (M.B.Ch.B., M.Sc., Board Certified), EULAR Endorsed Course Organizer since 2012
Ioannis Raftakis (Greece), MD PhD. Faculty member of the EULAR MSUS courses since 2012.
Peter Mandl (Austria), MD PhD. Faculty member of the EULAR MSUS courses since 2012
Fodor Daniela (Romania), MD PhD. Faculty member of the EULAR MSUS courses since 2014.

Venue and dates

Ramses Hilton Hotel, Cairo, Egypt.

Three days programme, 12th, 13th, and 14th October 2018

Course opening: Friday 12th October 2018 at 08:00 hrs

Course closing: Sunday 14th October 2018 at 17:30 hrs

Presentation

Musculoskeletal Ultrasound (MSUS) is increasingly being used by Rheumatologists, Orthopaedics, and Sport and Medical Physicians for the diagnosis and management of musculoskeletal disorders in daily practice worldwide. The European League Against Rheumatism (EULAR) has promoted education in MSUS for the last 15 years with very successful results. Currently, there is a great need and demand for education on MSUS in Gulf and Middle East.

The MSUS course aims to give the participants the opportunity to know the Doppler physics, technology including optimal settings, and artefacts, Together with its application, indications and limitations of Doppler in Rheumatology and how to use color and power Doppler to detect synovial and enthesal inflammation in a way that will identify spectrum of musculoskeletal abnormalities in different Anatomical areas.

Course structure

The Course will be of the InterMediate level, being a combination of lectures and hands-on scanning of models and/or patients with MusculoSkeletal disorders in small groups with experienced tutors.

It will consist of lectures with demonstrations and hands-on scanning in small groups (5-6 participants per tutor and ultrasound machine) with experienced tutors.

Participants

Number of Participants:

- Minimum 30 participants, and a Maximum of participants.
- Small groups of 5 - 6 participants each.

Official Language

English.

Web site

www.emiratesmsus.com

Course Description

This **Intermediate Course** will focus on a wide spectrum of rheumatic pathologies. Previous performance of musculoskeletal UltraSound scans and attendance of a basic musculoskeletal UltraSound course (either as a EULAR course, a EULAR Scientifically Endorsed course, or a national course) is mandatory before participating in an intermediate-level course. Other equal training qualifications can be evaluated upon request.

Learning objectives

- To know the Doppler physics, technology and artefacts
- To know the application, indications and limitations of Doppler in Rheumatology
- To optimize Doppler settings
- To use color and power Doppler to detect synovial and enthesal inflammation
- To detect structural joint damage (i.e. bone, tendons, cartilage)
- To perform sonographic-guided periarticular and articular injections
- To identify the spectrum of musculoskeletal abnormalities in each anatomic area (e.g. joint synovitis, Tenosynovitis, enthesopathy/enthesitis, tendinosis/tendinitis, paratenonitis, dactylitis, tendon luxation, tendon impingement, tendon tears, bone erosions, osteophytes, ganglia and cysts, articular cartilage lesions, peri- and intra-articular microcrystal deposit, soft tissue calcifications)

Course Certification

A certificate of attendance will be supplied.

Course Evaluation

An evaluation of the course (i.e. educational content, teaching capability, course organization and venue) will be performed by the participants at the end of the course.

Registration

Registration is open to all EULAR member countries. This course is recommended for Rheumatologists, Orthopaedics, Sport Surgeons and Medical Physicians, Radiologists, Anaesthetists, Psychiatrist, Physiotherapists 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: Course, Educational material, Coffee Breaks & Meals announced within the program (Fee: 1000€).
- B) Option 2: Course, Educational material, Coffee Breaks & Meals announced within the program, Standard Accommodation (3 nights in the Venue Hotel) (Fee: 1300€).

Organizing Secretariat

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Contact Person

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- **Reference:** (1) E Naredo, J W J Bijlsma, P G Conaghan, C Acebes, P Balint, H Berner-Hammer, IG A W Bruyn, P Collado, M A D'Agostino, J J de Agustin, E de Miguel, E Filippucci, W Grassi, A Iagnocco, D Kane, J M Koski, B Manger, L Mayordomo, I Möller, C Moragues, E Rejón, M Szkudlarek, L Terslev, J Uson, R J Wakefield and W A Schmidt. Recommendations for the content and conduct of musculoskeletal ultrasound courses European League Against Rheumatism (EULAR). *Ann Rheum Dis* 2008; 67:1017-1022

Full Programme

InterMediate Course - Day 1 - Friday, October 12th, 2018

08.00 - 09.00	Registration – Welcome Reception	
09.00 - 09.15	Welcome – Introduction	Ingrid
09.15 - 09.45	Doppler physics, technology and artefacts. Doppler setting optimization.	Lene
09.45 -10.15	Application, indications and limitations of Doppler in Rheumatology	Naredo
10.15 -10.30	Coffee break	
10.30 -11.30	Hands On	
	Supervised practical handling of the color and power Doppler US machine settings. Doppler artefacts.	Faculty
11.30 -12.00	B-mode and Doppler synovitis. Definition, detection and pitfalls	Mandl
12.00 -12.30	B-mode and Doppler tenosynovitis. Definition, detection and pitfalls	David
12.30-14.30	Break for Lunch&	
14.30 -15.45	Hands On	
	Supervised hands-on scanning of patients with synovitis and tenosynovitis	Faculty
15.45 -16.15	B-mode and Doppler enthesopathy and enthesitis. Definition, detection and pitfalls	Hammer
16.15 -16.45	B-mode and Doppler tendinosis and tendon tear. Definition, detection and pitfalls	Ingrid
16.45 - 17.00	US cartilage abnormalities. Definition, detection and pitfalls	Koski
17.00 - 17.15	Validity and role of US in crystal-related arthropathies	Raftakis
17.15 - 17.30	US bone abnormalities. Definition, detection and pitfalls	Daniela
17.30 -17.45	Coffee break	
17.45 - 19.00	Hands On	
	Supervised hands-on scanning of patients with enthesopathy/enthesitis, tendinosis and tendon tear, bone and cartilage abnormalities, and crystal-related arthropathies	Faculty

InterMediate Course - Day 2 - Saturday, October 13th, 2018

08.00 - 08.45	US diagnosis of Hip pathology.	Ingrid
08.45 - 09.30	US diagnosis of Knee pathology.	David
09.30 - 10.15	US diagnosis of Elbow pathology.	Ingrid
10.15 - 10.30	Coffee break	
10.30 - 12.30	Hands On	
	Supervised hands-on scanning of patients with inflammatory and degenerative disorders of Elbow, Hip and Knee.	Faculty
12.30 - 14.30	Lunch	
14.30 - 15.30	US diagnosis of Wrist and Hand pathology.	David
15.30 - 16.30	US diagnosis of Ankle and Foot pathology.	Mandle
16.30 - 16.45	Coffee break	
16.45 - 18.30	Hands On	
	Supervised hands-on scanning of patients with inflammatory and degenerative disorders of Wrist/Hand and Ankle/Foot	Faculty

InterMediate Course - Day 3 - Sunday, October 14th, 2018

08.00 - 09.00	Sonographic-guided periarticular and articular injections.	Raftakis
09.00 - 10.45	Hands On	Faculty
	Supervised sonographic-guided injections	
10.45 - 11.00	Coffee break	
11.00 - 11.30	Validity and role of US in Psoriatic Arthritis: dactylitis, enthesitis, and synovial involvement	Daniela
11.30 - 12.00	Documentation of US images and report of US findings	Naredo
12.00 - 14.00	Lunch	
14.00 - 15.30	US diagnosis of Shoulder pathology	Ingrid
15.30 - 17.15	Hands On	Faculty
	Supervised US scanning of the Ankle and Foot	
17.15 -17.30	Closing Remarks	