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EUROPEAN ALLIANCE
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FOR RHEUMATOLOGY



الجمعية السعودية لأمراض الروماتيزم
SAUDI SOCIETY FOR RHEUMATOLOGY

MUSCULOSKELETAL ULTRASOUND *Course* BASIC LEVEL

3-5 SEP 2026  LE MERIDIEN RIYADH HOTEL
RIYADH, SAUDI ARABIA

SCAN QR CODE FOR
REGISTRATION



 **19CME**
ACCREDITED

MUSCULOSKELETAL ULTRASOUND *Course* BASIC LEVEL

3-5 SEP
2026



LE MERIDIEN RIYADH HOTEL
RIYADH, SAUDI ARABIA

SCIENTIFIC DIRECTORS



PROF. INGRID MÖLLER

Professor of Rheumatology,
University of Barcelona
CEO at Instituto Poal de
Reumatologia



DR. NAWAL BASSUNI

Consultant of Rheumatology
King Abdulaziz Medical City,
Jeddah, EULAR MSK Ultrasound
Course Director and Local
Organizer

COURSE OPENING



3rd September



09.00 AM

COURSE CLOSING



5th September



02.00 PM

TOTAL
COURSE
DURATION

20 HRS

excluding lunch and
coffee break time

TOTAL TIME FOR
THEORETICAL
TRAINING

07 HRS

TOTAL TIME FOR
PRACTICAL
TRAINING

13 HRS

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PARTICIPANTS:

35 PARTICIPANTS

This course is recommended for participants with little or no experience in musculoskeletal ultrasound. Successful completion of the EULAR online Introductory Ultrasound is highly recommended before participating in a EULAR basic-level course and mandatory for completing the EULAR Competency Assessment in MSUS in Rheumatology – Level 1.

For more details, please follow this link: <https://www.ssrssa.org/eular26>

DESCRIPTION:

The course will consist of lectures and hands-on scanning in small groups (4-5 participants per tutor and ultrasound machine), focusing on learning ultrasound physics, settings and artifacts, image acquisition, normal sonographic anatomy, MSUS standardized examination techniques, and ultrasound findings in basic musculoskeletal pathology. It will be conducted in accordance with the recommendations for the content and conduct of EULAR Musculoskeletal Ultrasound Courses (www.eular.org). The faculty will consist of international teachers with high experience in MSUS in rheumatology.

The Saudi Rheumatology Society supports the course.

OFFICIAL LANGUAGE: English

REGISTRATION:

Registration is intended to be open to all EULAR member countries.

APPLICATIONS: should be emailed to: info@ssrssa.org

COURSE CERTIFICATION

A certificate of attendance will be supplied.

COURSE EVALUATION

The course will be evaluated in terms of educational quality and content, value in clinical practice, organization, and venue.



The Saudi Rheumatology Society will give payment instructions.

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LEARNING OBJECTIVES

01

To understand the applications, indications, and limitations of MSUS in rheumatology.

02

To understand ultrasound physics and technology.

03

To identify the sonographic patterns of different musculoskeletal tissues.

04

To recognize musculoskeletal artifacts and pitfalls.

05

To learn how to hold the probe, optimize B-mode settings on ultrasound equipment, and acquire ultrasound images.

06

To identify normal sonographic anatomy of each major anatomical area (i.e., shoulder, elbow, wrist and hand, hip, knee, ankle, and foot).

07

To learn the systematic, standardized scanning technique for each major anatomical area (i.e., shoulder, elbow, wrist and hand, hip, knee, ankle, and foot).

08

To identify basic musculoskeletal abnormalities (e.g., synovitis, tenosynovitis, enthesopathy/enthesitis, bursitis, tendon lesions, and bone abnormalities).

09

To document images and report ultrasound findings and diagnosis.

10

Application, indications, and limitations of MSUS.

11

US physics, settings, artifacts, and pitfalls.

12

Principles of MSUS examination.

13

Ultrasound pattern of the musculoskeletal tissues.

14

Sonoanatomy and standard ultrasound scans of the shoulder, elbow, wrist and hand, hip, knee, ankle, and foot.

15

Sonographic identification of the principal musculoskeletal lesions and abnormalities and diagnosis of the most frequent musculoskeletal pathologies in rheumatology.

16

Image documentation and reporting of US findings and diagnosis.

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Speakers

(IN ALPHABETIC ORDER)



PROF. BASANT ELNADY

Consultant of Rheumatology,
Alhada Hospital, Professor of
Rheumatology, Benha University



DR. CHIARA RIZZO

Consultant of Rheumatology,
Hebron University Hospital



PROF. HILDE HAMMER

Professor of Rheumatology,
University of Oslo, Norway



PROF. INGRID MÖLLER

Professor of Rheumatology,
University of Barcelona
CEO at Instituto Poal de
Reumatologia



DR. LOUIS CORONEL

Anatomy Lecturer, University
of Barcelona, Spain



DR. NAWAL BASSUNI

Consultant of Rheumatology
King Abdulaziz Medical City, Jeddah
EULAR MSK Ultrasound Course
Director and Local Organizer



DR. YOUSEF ALAMMARI

Associate Professor and
Consultant of Rheumatology,
Imam Mohammad Ibn Saud
Islamic University, Riyadh



DR. ZUNAID KARIM

Consultant of Rheumatology
and Fellow, Royal College of
Physicians

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SCIENTIFIC
Program

DAY 01

THURSDAY
03 SEP
2026

Time	Topic	Speaker
8.00 9.00	Registration	
9.00 9.15	Welcome – Objectives and content of the course. EULAR Competency assessment in musculoskeletal ultrasound (MSUS)	Dr. Nawal Bassuni Prof. Ingrid Möller
9.15 9.40	History and development of MSUS. Ultrasound physics and techniques. Technical characteristics of ultrasound equipments appropriate for rheumatic and musculoskeletal diseases	Prof. Basant ElNady
9.40 10.10	MSUS pattern of normal tissues and anatomical structures (i.e. tendons, muscles, ligaments, nerves, articular cartilage, joint space, joint recesses, joint capsules, and bone profile)	Prof. Ingrid Möller
10.10 10.40	Ultrasound machine settings (B-mode), image optimization, probe handling, and image acquisition	Dr. Yousef Alammari
10.40 11.00	Artifacts, pitfalls and limitations of MSUS	Dr. Zunaid Karim
11.00 11.30	Coffee Break	
11.30 13.30	Workshop (models): Holding the probe and handling the ultrasound machine setting. Normal musculoskeletal tissues and Sonoanatomy	All Tutors

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DAY 01

THURSDAY
03 SEP
2026

Time	Topic	Speaker
13.30 14.30	Lunch	
14.30 15.00	Clinical applications of MSUS in rheumatic and musculoskeletal diseases	Prof. Basant ElNady
15.00 15.30	Basic MSUS abnormalities: definitions and findings (i.e. joint effusion and synovial hypertrophy, tenosynovitis, enthesopathy, tendon rupture, bursitis, calcifications, bone abnormalities, cartilage damage)	Prof. Hilde Hammer
15.30 16.00	Standardized scanning of the Elbow. Basic pathological findings	Dr. Chiara Rizzo
16.00 16.30	Coffee Break	
16.30 18.30	Workshop: Supervised standardized scanning of the elbow (models). Basic pathological findings (patients)	All Tutors

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DAY 02

FRIDAY
04 SEP
2026

Time	Topic	Speaker
9.00 9.30	Standardized scanning of the Wrist and Hand. Basic pathological findings	Prof. Hilde Hammer
9.30 11.00	Workshop: Supervised standardized scanning of the wrist and hand (models). Basic pathological findings (patients)	All Tutors
11.00 11.30	Coffee Break	
11.30 12.00	Standardized scanning of the Hip. Basic pathological findings	Prof. Ingrid Möller
12.00 13.30	Workshop: Supervised standardized scanning of the hip (models). Basic pathological findings (patients).	All Tutors
13.30 14.30	Lunch	
14.30 15.00	Standardized scanning of the Knee. Basic pathological findings	Dr. Chiara Rizzo
15.00 17.00	Workshop: Supervised standardized scanning of the knee (models). Basic pathological findings (patients)	All Tutors
17.00 17.30	Coffee Break	
17.30 18.00	Standardized scanning of the Shoulder. Basic pathological findings	Dr. Nawal Bassuni
18.00 20.00	Workshop: Supervised standardized scanning of the shoulder (models). Basic pathological findings (patients)	All Tutors

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DAY 03

SATURDAY
05 SEP
2026

Time	Topic	Speaker
9.00 9.30	Standardized scanning of the Ankle and Foot. Basic pathological findings	Dr. Louis Coronel
9.30 11.30	Workshop. Supervised standardized scanning of the ankle and foot (models). Basic pathological findings (patients).	All Tutors
11.30 12.00	Coffee Break	
12.00 12.30	Prayer Time	
12.30 13.00	Reporting MSUS findings and diagnosis. (Technical aspects) and (Clinical aspects)	Dr. Youssef AlAmmari
13.00 13.15	Closing Remarks	

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