

MUSCULOSKELETAL ULTRASOUND in RHEUMATOLOGY

BASIC COURSE

INTERMEDIATE COURSE

Rome, 3-5 December 2026

Course Chair: Annamaria Iagnocco

These courses have been scientifically endorsed by

eular
ENDORSED COURSE

FACULTY OF THE COURSES

FACULTY & SUPERVISORS

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Ahmed Abogamal, Cairo - EG
Marco Canzoni, Rome - IT
Claudio Cruciani, Turin - IT
Nemanja Damjanov, Belgrade - SRB
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Andrea Delle Sedie, Pisa - IT
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Chiara Rizzo, Barcelona - ES
Garifallia Sakellariou, Pavia - IT
Violeta Maria Vlad, Bucharest - RO
Andrea Zoli, Rome - IT

SCIENTIFIC COMMITTEE

Course Chair - **Annamaria Iagnocco**
Scientific Committee - **Marco Canzoni**

BASIC COURSE PRESENTATION

COURSE PRESENTATION

Musculoskeletal ultrasound in rheumatology is a rapidly evolving imaging tool which has registered an increasing and widespread use over the last decades. Currently it is utilized for assessing different rheumatic pathologies and evaluating various abnormalities both in degenerative and inflammatory diseases.

Due to its limited cost, wide equipment availability and feasibility it is used as a bedside procedure in the clinical rheumatology practice. Nonetheless the presence of a high number of experts in the field, there are still many rheumatologists who are willing to learn the use and applications of musculoskeletal ultrasound in rheumatology, with an increasing demand of attending ultrasound courses.

The Course in musculoskeletal ultrasound in rheumatology, which has the EULAR Scientific Endorsement, is an educational initiative which has the aim of assisting rheumatologists to learn ultrasound. The faculty of the Course in musculoskeletal ultrasound in rheumatology is represented by prestigious experts in the field and who are also faculty members of the EULAR Sonography Courses.

SCIENTIFIC CHAIR

Prof. Annamaria Iagnocco

Professor of Rheumatology Università degli Studi di Torino - Turin, Italy

Local organizer: Dr. Marco Canzoni

Participants will give their formal evaluation of the course.

The sponsors will not have any influence on the programme, its content or speakers.

OBJECTIVES

- to learn the indications and limitations of musculoskeletal ultrasound (MSUS) in rheumatology
- to learn sonoanatomy and identify different musculoskeletal structures in healthy subjects by Ultrasound
- to learn standard scans in different anatomic areas according to EULAR guidelines
- to learn ultrasound-detectable abnormalities in rheumatology

MAIN TOPICS

Applications, indications and limitations of MSUS in rheumatology; Ultrasound physics and technology; Ultrasound patterns of musculoskeletal structures; MSUS artifacts and pitfalls; appropriate use and positioning of the probe; Ultrasound settings and B-mode/Doppler optimization; standard scans of the shoulder, elbow, wrist, hand, hip, knee, ankle and foot; basic Ultrasound pathology; interpretation of Ultrasound images; Ultrasound report and documentation; Ultrasound diagnosis; basic skills in Ultrasound-guided procedures.

BASIC COURSE PRESENTATION

Workshops (small groups, with supervisor)
- Ultrasound Setting
- Sonoanatomy
- Standard scans of the shoulder, elbow, wrist, hand, hip, knee, ankle and foot in healthy subjects
- Training in elementary US basic lesions in patients with RMDs.

CME PROVIDER

AIMEDUCATION

AIM Education
Viale E. Forlanini, 23 - 20134 Milan, Italy
Tel. +39 02 566011 - cme@aimgroup.eu - www.aimeducation.it

UEMS/EACCME ACCREDITATION

"**The Musculoskeletal Ultrasound in Rheumatology - Basic Course, Rome, Italy 03/12/2026 - 05/12/2026**, has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 18.5 European CME credits (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity."

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EACCME® CREDITS

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In order to help you issue individual certificates to each participant, please find below the breakdown of ECMEC®s per day:

Date	Credit
03/12/2026	6.0
04/12/2026	8.0
05/12/2026	4.5

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BASIC COURSE PROGRAMME

CAVOUR ROOM

December 3rd, 2026

12.00 - 12.45 Registration

12.45 - 12.50 **Introduction**
A. Iagnocco, Turin - IT

12.50 - 13.00 **EULAR Competency assessment in MSUS**
A. Iagnocco, Turin - IT

Chair: A. Iagnocco, Turin - IT

13.00 - 13.30 **Ultrasound in rheumatology: applications, indications and limitations**
N. Damjanov, Belgrade - SRB

13.30 - 13.55 **Ultrasound physics and technology. Ultrasound equipment for RMDs**
E. Filippucci, Jesi (AN) - IT

13.55 - 14.25 **Sonographic pattern of musculoskeletal tissues and correlations with anatomy and histology**
N. Damjanov, Belgrade - SRB

14.25 - 15.00 **Ultrasound pathologies and elementary lesions in RMDs**
A. Iagnocco, Turin - IT

15.00 - 15.20 **How to hold the probe, optimize the B-mode settings and acquire ultrasound images**
J. Dias, Torres Novas - PT

15.20 - 15.45 **Artifacts in Musculoskeletal Ultrasound**
G. Giokits, Katerini - GR

15.45 - 16.15 Coffee break

16.15 - 17.45 ***WORKSHOP 1***
How to use the Ultrasound equipment and optimize its setting
Faculty and tutors

BASIC COURSE PROGRAMME
CAVOUR ROOM

Chair: A. Abogamal, Cairo - EG

17.45 - 18.15 **Ultrasound of the hip. Normal findings and basic Ultrasound pathology**
Lecture - P. Mandl, Wien - AT
Live demo - G. Giokits, Katerini - GR

18.15 - 19.30 ***WORKSHOP 2***
Sonoanatomy and stanrdard scans of the hip.
How to perform an Ultrasound examination in healthy subjects and obtain Ultrasound images
Faculty and tutors

BASIC COURSE PROGRAMME

CAVOUR ROOM

December 4th, 2026

Chair: G. Giokits, Katerini - GR

08.30 - 09.00 **US of the knee. Normal findings and basic Ultrasound pathology**
Lecture: O. De Lucia, Milan - IT
Live demo: A. Abogamal, Cairo - EG

09.00 - 10.30 ***WORKSHOP 3***
Sonoanatomy and stardard scans of the knee.
How to perform an Ultrasound examination in healthy subjects and obtain Ultrasound images
Faculty and tutors

10.30 - 10.45 Coffee break

Chair: J. Dias, Torres Novas - PT

10.45 - 11.15 **Ultrasound of the ankle and foot. Normal findings and basic Ultrasound pathology**
Lecture: P. Mandl, Wien - AT
Live demo: J. Dias, Torres Novas - PT

11.15 - 12.45 ***WORKSHOP 4***
Sonoanatomy and stardard scans of the ankle and foot.
How to perform an Ultrasound examination in healthy subjects and obtain Ultrasound images
Faculty and tutors

Chair: C. Rizzo, Barcelona - ES

12.45 - 13.15 **US of the shoulder. Normal findings and basic Ultrasound pathology**
Lecture: A. Abogamal, Cairo - EG
Live demo: C. Rizzo, Barcelona - ES

13.15 - 14.15 Lunch

BASIC COURSE PROGRAMME

CAVOUR ROOM

14.15 - 15.45 ***WORKSHOP 5***
Sonoanatomy and stardard scans of the shoulder.
How to perform an Ultrasound examination in healthy subjects and obtain Ultrasound images
Faculty and tutors

Chair: V.M. Vlad, Bucharest - RO

15.45 - 16.15 **Ultrasound of the elbow. Normal findings and basic Ultrasound pathology**
Lecture: G.Giokits, Katerini - GR
Live demo: V.M. Vlad, Bucharest - RO

16.15 - 16.30 Coffee break

16.30 - 17.30 ***WORKSHOP 6***
Sonoanatomy and stardard scans of the elbow.
How to perform an Ultrasound examination in healthy subjects and obtain Ultrasound images
Faculty and tutors

Chair: M.C. Micu, Cluj-Napoca - RO

17.30 - 18.00 **US of the hand and wrist. Normal findings and basic Ultrasound pathology**
Lecture: M.C. Micu, Cluj-Napoca - RO
Live demo: A. Abogamal, Cairo - EG

18.00 - 19.30 ***WORKSHOP 7***
Sonoanatomy and stardard scans of the hand and wrist.
How to perform an Ultrasound examination in healthy subjects and obtain Ultrasound images
Faculty and tutors

BASIC COURSE PROGRAMME

CAVOUR ROOM

December 5th, 2026

Chair: E Filippucci, Jesi (AN) - IT

08.30 - 09.00 **Ultrasound in arthritis (RA, SpA): why and when?**
E. Filippucci, Jesi (AN) - IT

09.00 - 09.25 **Ultrasound in osteoarthritis and crystal-related arthritis (Gout, CPPD): why and when?**
E. Filippucci, Jesi (AN) - IT

09.25 - 09.45 **Ultrasound in musculoskeletal soft tissue pathology: why and when?**
A. Delle Sedie, Pisa - IT

09.45 - 10.00 **Ultrasound report**
C. Rizzo, Barcelona - ES

10.00 - 10.15 **Basic skills in sonographic-guided procedures**
N. Damjanov, Belgrade - SRB

10.15 - 10.45 Coffee break

Chair: A Iagnocco, Turin - IT

10.45 - 11.15 **Interactive discussion on normal and pathological Ultrasound images**
J. Dias, Torres Novas - PT

11.15 - 13.15 ***WORKSHOP 8***
Supervised hands-on-scanning of patients with different rheumatic diseases
Faculty and tutors

13.15 - 13.30 **Closing remarks**
A. Iagnocco, Turin - IT

INTERMEDIATE COURSE PRESENTATION

COURSE PRESENTATION

The Intermediate Course will focus on a wide spectrum of rheumatic and musculoskeletal pathologies.

It is designed for participants with previous performance of a minimum of 10 standardised MSUS examinations of each joint region (i.e., shoulder, elbow, wrist & hand, hip, knee, ankle & foot).

Since this course is one of the criteria for EULAR Competency Assessment in MSUS in Rheumatology

- Level 1, **if you are interested in obtaining the EULAR certificate at the end of the intermediate course to confirm that you are following an EULAR training path**, you will need to have attended one of the following courses:
- criterion 1, EULAR Online Introductory Ultrasound Course
- criterion 2, Basic EULAR MSUS Course
- criterion 3, Intermediate EULAR MSUS course
- criterion 4, Advanced EULAR MSUS course

(or other equivalent level of Basic/Intermediate MSUS courses by other national societies / EULAR scientifically endorsed MSUS Courses)

For more details, please follow this link: https://esor.eular.org/course/view.php?id=94

Please note that if you are not interested in obtaining the Intermediate Certificate for your EULAR training Course, you are not required to have previously attended one of these courses.

CHAIR

Prof. Annamaria Iagnocco
Professor of Rheumatology Università degli Studi di Torino-Turin, Italy

Local organizer: Dr. Marco Canzoni

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LEARNING OBJECTIVES

Learning objectives

- To know the Doppler physics, technology, settings and artefacts.
- To know the application, indications and limitations of Doppler in rheumatology.
- To identify the spectrum of rheumatic and musculoskeletal abnormalities in each anatomic area (e.g. joint synovitis, tenosynovitis, enthesopathy, tendinosis, paratenonitis, tendon sub/luxation, tendon impingement, tendon tears, bone erosions, osteophytes, ganglia and cysts, articular cartilage lesions, peri- and intra-articular microcrystal deposit, soft tissue calcifications).
- To detect and quantify synovial, tenosynovial, and entheseal inflammation.

INTERMEDIATE COURSE PRESENTATION

- To detect and quantify structural joint damage (i.e. bone, tendons, cartilage).
- To perform sonographic-guided periarticular and intra-articular injections.

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INTERMEDIATE COURSE PROGRAMME

CAMPIDOGLIO ROOM

December 3rd, 2026

11.00 - 12.30 Registration

12.30 - 12.35 **Introduction**
A. Iagnocco, Turin - IT

12.35 - 12.45 **EULAR Competency assessment in MSUS**
A. Iagnocco, Turin - IT

Chair: P. Mandl, Wien - AT

12.45 - 13.15 **Doppler physics and technology. Doppler setting optimisation. Doppler artefacts and pitfalls**
A. Delle Sedie, Pisa - IT

13.15 - 13.45 **Applications, indications, and limitations of Doppler in RMDs**
M.C. Micu, Cluj-Napoca - RO

13.45 - 14.15 **B-mode and Doppler synovitis and tenosynovitis: definition, detection, quantification and pitfalls**
E. Filippucci, Jesi (AN) - IT

14.15 - 15.45 ***WORKSHOP 1***
Supervised practical handling of Doppler US machine settings and Doppler artefacts.
Supervised hands-on scanning of patients with synovitis and tenosynovitis
Faculty and tutors

Chair: J. Dias, Torres Novas - PT

15.45 - 16.15 **US tendon abnormalities (tendinosis, tears, sub/luxation, impingement, calcifications): definition, detection, quantification, and pitfalls**
A. Delle Sedie, Pisa - IT

16.15 - 16.45 Coffee break

INTERMEDIATE COURSE PROGRAMME

CAMPIDOGLIO ROOM

16.45 - 17.15 **B-mode and Doppler enthesopathy, enthesitis, paratenonitis and dactylitis: definition, detection, quantification, and pitfalls**
J. Dias, Torres Novas - PT

17.15 - 18.45 ***WORKSHOP 2***
Supervised hands-on scanning of patients with tendon abnormalities and dactylitis
Faculty and tutors

Chair: A. Abogamal, Cairo - EG

18.45 - 19.15 **US bone abnormalities (bone erosions, osteophytes), ganglia and cysts: definition, detection, quantification, and pitfalls**
P. Mandl, Wien - AT

INTERMEDIATE COURSE PROGRAMME

CAMPIDOGLIO ROOM

December 4th, 2026

Chair: M.C. Micu, Cluj-Napoca - RO

08.30 - 09.00 **US cartilage abnormalities: definition, detection, quantification, and pitfalls**
M.C. Micu, Cluj-Napoca - RO

09.00 - 09.30 **US assessment of crystal arthropathies: definition, detection, quantification, and pitfalls**
E. Filippucci, Jesi (AN) - IT

09.30 - 10.45 ***WORKSHOP 3***
Supervised hands-on scanning of patients with bone lesions, cartilage abnormalities and peri- and intra-articular microcrystal deposits
Faculty and tutors

10.45 - 11.00 Coffee break

Chair: O. De Lucia, Milan - IT

11.00 - 11.30 **US diagnosis of ankle and foot pathology**
O. De Lucia, Milan - IT

11.30 - 12.00 **US diagnosis of knee pathology**
A. Abogamal, Cairo - EG

12.00 - 12.30 **US diagnosis of hip pathology**
V.M. Vlad, Bucharest - RO

12.30 - 13.30 Lunch

13.30 - 15.00 ***WORKSHOP 4***
Supervised hands-on scanning of patients with lower limb inflammatory and degenerative diseases
Faculty and tutors

INTERMEDIATE COURSE PROGRAMME

CAMPIDOGLIO ROOM

Chair: O. De Lucia, Milan - IT

15.00 - 15.30 **US diagnosis of wrist and hand pathology**
G. Giokits, Katerini - GR

15.30 - 16.00 **US diagnosis of elbow pathology**
C. Rizzo, Barcelona - ES

16.00 - 16.15 Coffee break

16.15 - 16.45 **US diagnosis of shoulder pathology**
O. De Lucia, Milan - IT

16.45 - 18.15 ***WORKSHOP 5***
Supervised hands-on scanning of patients with upper limb inflammatory and degenerative diseases
Faculty and tutors

INTERMEDIATE COURSE PROGRAMME

CAMPIDOGLIO ROOM

December 5th, 2026

Chair: N. Damjanov, Belgrade - SRB

08.30 - 09.15 **US-guided periarticular and intra-articular fluid aspirations and injections**
N. Damjanov, Belgrade - SRB

09.15 - 09.45 **US-guided synovial biopsies**
C. Rizzo, Barcelona - ES

09.45 - 11.15 ***WORKSHOP 6***
Supervised US-guided procedures
Faculty and tutors

11.15 - 11.45 Coffee break

Chair: A. Iagnocco, Rome - IT

11.45 - 12.15 **How to write and publish a paper on MSUS?**
A. Iagnocco, Rome - IT

12.15 - 12.50 **Interactive discussion on normal and pathological Ultrasound images**
J. Dias, Torres Novas - PT

12.50 - 13.00 **Closing remarks**
A. Iagnocco, Rome - IT

GENERAL INFORMATION

Organizing Secretariat

AIM GROUP INTERNATIONAL

AIM Italy | Milan Office
Viale E. Forlanini 23
20134 Milan, Italy
Tel. +39 02 566011
mskrome@aimgroup.eu

Course Venue
Basic Course: Cavour Room - Ground Floor
Intermediate Course: Campidoglio Room - First Floor
Cavour Congress Center
Via Cavour, 50/A
00184 Rome, Italy

Registration Desk
The Organizing Secretariat will be available onsite as follows:
Thursday, December 3 11.00 - 19.30
Friday, December 4 08.00 - 19.30
Saturday, December 5 08.00 - 13.30

Language
The official language of the Course is English. Simultaneous translation will not be provided.

Course Badges
A badge will be provided on-site together with the Course kit. Participants are kindly requested to always wear their name badge during the Course.

Coffee Breaks and Lunch

BASIC COURSE

Thursday, December 3	Friday, December 4	Saturday, December 5
15.45-16.15 Coffee break	10.30-10.45 Coffee break	10.15-10.45 Coffee break
	13.15-14.15 Lunch	
	16.15-16.30 Coffee break	

GENERAL INFORMATION

INTERMEDIATE COURSE

Thursday, December 3	Friday, December 4	Saturday, December 5
16.15-16.45 Coffee break	10.45-11.00 Coffee break 12.30-13.30 Lunch 16.00-16.15 Coffee break	11.15-11.45 Coffee break

Registration Fee

- Registration fee: € 900,00

The registration fee includes:
participation in the scientific sessions, course kit, certificate of attendance, lunch breaks and coffee breaks.

Certificate of attendance

Participants will be able to download the Certificate of Attendance upon completion of the online evaluation form they will receive by email at the end of the Congress.

Privacy Policy

The information on the processing of personal data in accordance with the European Regulation no. 679 of 2016 is available in the Congress website https://eventi2026.webaimgroup.eu/mskrome/

AKNOWLEDGEMENTS

AbbVie S.r.l.

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