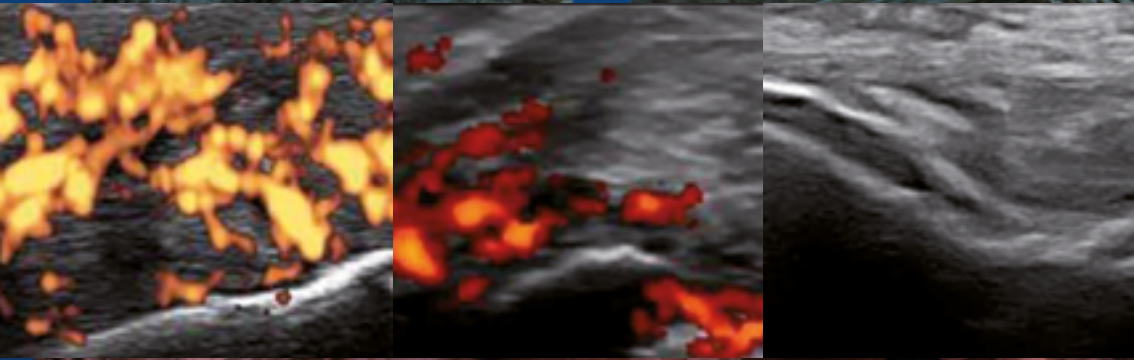


# MUSCULOSKELETAL ULTRASOUND in RHEUMATOLOGY BASIC COURSE



*This course has been  
scientifically endorsed by EULAR*



Rome, 5-7 december 2024  
Course Chair  
Annamaria Iagnocco

# 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.

*Prof. Annamaria Iagnocco*  
*Course Chair*

## FACULTY

**Annamaria Iagnocco**, Turin - IT  
**Ahmed Abogamal**, Cairo, EG  
**Edoard Cipolletta**, Ancona, IT  
**Nemanja Damjanov**, Belgrade - SR  
**Andrea Delle Sedie**, Pisa - IT  
**João Dias**, Lisboa - PT  
**Emilio Filippucci**, Jesi (AN) - IT  
**Dana Fodor**, Cluj-Napoca - RO  
**Giasna Giokits**, Katerini - GR  
**Zunaid Karim**, Leeds - UK  
**Peter Mandl**, Vienna, AT  
**Porin Perić**, Zagreb - HR

## SUPERVISORS

**Marco Canzoni**, Rome - IT  
**Mirco Magnani**, Bologna - IT  
**Carlo Perricone**, Perugia - IT  
**Garifallia Sakellariou**, Pavia - IT

## SCIENTIFIC COMMITTEE

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

UNDER THE AUSPICES OF



# PROGRAMME

## Thursday, December 5

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12.00 - 12.50

Registration

12.50 - 13.00

### **Course Opening**

A. Iagnocco, Turin - IT

### **Chair: A. Iagnocco, Turin - IT**

13.00 - 13.30

### **Ultrasound in rheumatology: why?**

D. Fodor, Cluj-Napoca - RO

13.30 - 14.00

### **Sonographic pattern of musculoskeletal tissues and correlations with anatomy and histology**

N. Damjanov, Belgrade - SR

14.00 - 14.30

### **Ultrasound pathologies and elementary lesions in RMDs**

A. Iagnocco, Turin - IT

14.30 - 15.00

### **Which Ultrasound equipment to use for RMDs? Color or power Doppler?**

E. Filippucci, Jesi (AN) - IT

15.00 - 15.30

### **Artifacts in Musculoskeletal Ultrasound**

P. Perić, Zagreb - HR

15.30 - 15.45

### **Ultrasound report**

E. Cipolletta, Ancona - IT

15.45 - 16.15

*Coffee Break*

16.15 - 17.45

### **Workshop 1 How to use the Ultrasound equipment and optimize its setting**

Faculty and Supervisors

### **Chair: A. Abogamal, Cairo, EG**

17.45 - 18.15

### **US of the hip. Normal findings and basic US pathology**

**Lecture:** P. Mandl, Vienna, AT

**Live demo:** G. Giokits, Katerini - GR

18.15 - 19.30

### **Workshop 2: Sonoanatomy and standard scans of the hip. How to perform an US examination in healthy subjects and obtain US images.**

Faculty and Supervisors

# PROGRAMME

## Friday, December 6

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### Chair: G. Giokits, Katerini - GR

08.30 - 09.00 **US of the knee. Normal findings and basic US pathology**

**Lecture:** D. Fodor, Cluj-Napoca - RO

**Live demo:** A. Delle Sedie, Pisa - IT

09.00 - 10.30 **Workshop 3: Sonoanatomy and standard scans of the knee. How to perform an US examination in healthy subjects and obtain US images**

Faculty and Supervisors

10.30 - 10.45 *Coffee Break*

### Chair: J. Dias, Lisboa - PT

10.45 - 11.15 **US of the ankle and foot. Normal findings and basic US pathology**

**Lecture:** A. Delle Sedie, Pisa - IT

**Live demo:** J. Dias, Lisboa - PT

11.15 - 12.45 **Workshop 4: Sonoanatomy and standard scans of the ankle and foot. How to perform an US examination in healthy subjects and obtain US images**

Faculty and Supervisors

12.45 - 13.45 *Lunch*

### Chair: A. Delle Sedie, Pisa - IT

13.45 - 14.15 **US of the shoulder. Normal findings and basic US pathology**

**Lecture:** A. Abogamal, Cairo, EG

**Live demo:** P. Perić, Zagreb - HR

14.15 - 15.45 **Workshop 5: Sonoanatomy and standard scans of the shoulder. How to perform an US examination in healthy subjects and obtain US images**

Faculty and Supervisors

# PROGRAMME

## Friday, December 6

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Chair: N. Damjanov, Belgrade - SR

15.45 - 16.15

**US of the elbow. Normal findings and basic US pathology**

**Lecture:** G. Giokits, Katerini - GR

**Live demo:** N. Damjanov, Belgrade - SR

16.15 - 16.30

*Coffee Break*

16.30 - 17.30

**Workshop 6: Sonoanatomy and standard scans of the elbow.**

**How to perform an US examination in healthy subjects and obtain US images**

Faculty and Supervisors

Chair: Z. Karim, Leeds - UK

17.30 - 18.00

**US of the hand and wrist. Normal findings and basic US pathology**

**Lecture:** Z. Karim, Leeds - UK

**Live demo:** A. Abogamal, Cairo, EG

18.00 - 19.30

**Workshop 7: Sonoanatomy and standard scans of the hand and wrist.**

**How to perform an US examination in healthy subjects and obtain US images**

Faculty and Supervisors

# PROGRAMME

## Saturday, December 7

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Chair: E. Filippucci, Jesi (AN) - IT

- 08.30 - 09.00      **Basic skills in sonographic-guided procedures**  
N. Damjanov, Belgrade - SR
- 09.00 - 09.25      **Ultrasound in arthritis (RA, SpA): why and when?**  
E. Filippucci, Jesi (AN) - IT
- 09.25 - 09.45      **Ultrasound in osteoarthritis and crystal-related arthritis (Gout, CPPD): why and when?**  
P. Mandl, Vienna, AT
- 09.45 - 10.00      **Ultrasound in musculoskeletal soft tissue pathology: why and when?**  
E. Cipolletta, Ancona - IT
- 10.00 - 10.30      *Coffee Break*
- 10.30 - 11.15      **Interactive discussion on normal and pathological Ultrasound images**  
J. Dias, Lisboa - PT
- 11.15 - 13.15      **Workshop 8: Supervised hand-on-scanning of patients with different rheumatic diseases**  
Faculty and Supervisors
- 13.15 - 13.30      **Closing remarks**  
A. Iagnocco, Turin - IT

# GENERAL INFORMATION

## Scientific Chair

Prof. Annamaria Iagnocco  
Professor of Rheumatology  
Università degli Studi di Torino  
Turin, Italy  
EULAR Past President

*Local organizer:* Dr. Marco Canzoni

Registration will be open to all EULAR Member Countries and worldwide.  
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 limits of musculoskeletal (MS) ultrasound (US) in rheumatology
- to learn sonoanatomy and identify different musculoskeletal structures in healthy subjects by US
- to learn standard scans in different anatomic areas according to EULAR guidelines
- to learn ultrasound-detectable abnormalities in rheumatology

## Main topics

Applications, indications and limits of MSUS in rheumatology; US physics and technology; US patterns of MS structures; MSUS artifacts and pitfalls; appropriate use and positioning of the probe; US settings and B-mode/Doppler optimization; standard scans of the shoulder, elbow, wrist, hand, hip, knee, ankle and foot; basic US pathology (tendinosis, tenosynovitis, tendon lesions, enthesopathy, enthesitis, bursitis, cortical abnormalities, calcifications, cartilage abnormalities, joint effusion, synovial hypertrophy, synovitis); interpretation of US images; US report and documentation; US diagnosis; basic skills in US-guided procedures.

## Workshops (small groups, with supervisor)

- US 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

# GENERAL INFORMATION

## ORGANIZING SECRETARIAT



### AIM Italy | Milan Office

Viale E. Forlanini 23

20134 Milan, Italy

Tel. +39 02 566011

[mskrome@aimgroup.eu](mailto:mskrome@aimgroup.eu)

## COURSE VENUE

Cavour Congress Center

Via Cavour, 50/A

00184 Rome, Italy

## REGISTRATION DESK

The Organizing Secretariat will be available onsite as follows:

Thursday, December 5                      12.00 - 19.30

Friday, December 6                         08.00 - 19.30

Saturday, December 7                       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.



# GENERAL INFORMATION

## COFFEE BREAKS AND LUNCH

Coffee breaks and lunch will be served as follows:

### *Thursday, December 5*

- 15.45 - 16.15 Coffee break

### *Friday, December 6*

- 10.30 - 10.45 Coffee break

- 12.45 - 13.45 Lunch

- 16.15 - 16.30 Coffee break

### *Saturday, December 7*

- 10.00 - 10.30 Coffee break

## REGISTRATION FEES

- REGISTRATION FEE: € 850,00
- FULL REGISTRATION FEE: € 1.100,00

The registration fee includes:

participation in the scientific sessions, course kit, certificate of attendance, lunch, coffee breaks

The full registration fee includes:

participation in the scientific sessions, course kit, certificate of attendance, lunch, coffee breaks, social dinner and 2 nights accommodation

## 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.

