

# EDUCATIONAL COURSE

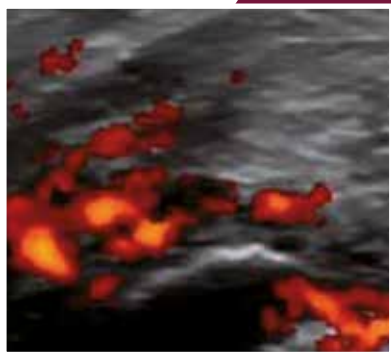
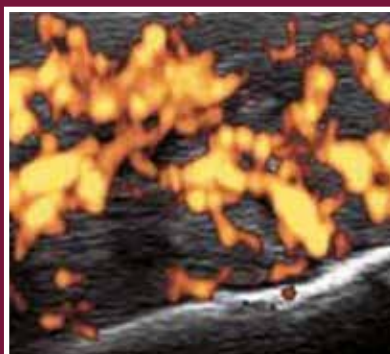
**SI** 2018  
Società Italiana  
di Reumatologia

## MUSCULOSKELETAL ULTRASOUND in RHEUMATOLOGY BASIC COURSE

*This course is endorsed by*

**eular**

fighting rheumatic & musculoskeletal  
diseases together



Rome, March 15-17, 2018

**Course Coordinator**  
Annamaria Iagnocco

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 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 SIR 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 Italian experts in the field and by international speakers who are faculty members of the EULAR Sonography Courses.

*Annamaria Iagnocco  
Course coordinator*

## **FACULTY**

**Annamaria Iagnocco**, Roma - IT  
**George Bruyn**, Lelystad - NL  
**Marco Amedeo Cimmino**, Genova - IT  
**Maria Antonietta D'Agostino**,  
Boulogne-Billancourt - FR  
**Salvatore D'Angelo**, Potenza - IT  
**Nemanja Damjanov**, Belgrade - SR  
**Andrea Delle Sedie**, Pisa - IT  
**Christian Dejaco**, Gratz - AT  
**Christina Duftner**, Kufstein - AT  
**Georgios Filippou**, Siena - IT  
**Emilio Filippucci**, Jesi (AN) - IT  
**Mauro Galeazzi**, Siena - IT  
**Walter Grassi**, Jesi (AN) - IT  
**Hilde Berner Hammer**, Oslo - NO  
**Peter Mandl**, Wien - AT  
**Richard Wakefield**, Leeds - UK

## **SUPERVISORS**

**Alberto Batticciotto**, Milano - IT  
**Marco Canzoni**, Roma - IT  
**Luca Idolazzi**, Verona - IT  
**Garifallia Sakellariou**, Pavia - IT  
**Alen Zabotti**, Udine - IT

## Thursday, March 15

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12.00 - 12.50 Registration

12.50 - 13.00 **Course Opening**

A. Iagnocco, Roma - IT; M. Galeazzi, Siena - IT

**Chair: A. Iagnocco, Roma - IT**

13.00 - 13.25 **US in rheumatology**

W. Grassi, Jesi (AN) - IT

13.25 - 13.50 **Sonographic pattern of musculoskeletal tissues and correlations with anatomy and histology**

C. Dejaco, Graz - AT

13.50 - 14.15 **Sonographic semiology (tendinosis, tenosynovitis, partial and complete tendon tear, entesopathy, bursitis, calcifications, articular cartilage lesions, cortical abnormalities and joint synovitis)**

A. Iagnocco, Roma - IT

14.15 - 14.40 **How to implement US in daily clinical practice**

P. Mandl, Wien - AT

14.40 - 15.05 **Applications and limitations of US in rheumatology**

G. Bruyn, Lelystad - NL

15.05 - 15.30 **Technical characteristics and setting of US equipment in rheumatology**

C. Duftner, Kufstein - AT

15.30 - 15.55 **Doppler physics and techniques. Doppler setting and optimization. Color or power Doppler?**

R. Wakefield, Leeds - UK

15.55 - 16.15 **Artifacts and misinterpretation in MSUS**

H.B. Hammer, Oslo - NO

16.15 - 16.45 *Coffee Break*

16.45 - 18.30 **Workshop 1: Appropriate use of the US equipment. US settings and B-mode/Doppler optimization. Sonoanatomy: appropriate acquisition of the MSUS images in healthy individuals (muscles, tendons, bursae, ligaments, nerves, cartilage, joint space, joint recesses, joint capsule, cortical profile).**

Faculty and Supervisors

**Chair: M.A. D'Agostino, Boulogne-Billancourt - FR**

18.30 - 19.00 **US of the hip. Normal findings and basic US pathology**

**Lecture:** H.B. Hammer, Oslo - NO

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

19.00 - 20.30 **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

## Friday, March 16

### Chair: R. Wakefield, Leeds - UK

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

**Lecture:** E. Filippucci, Jesi (AN) - IT

**Live demo:** M.A. D'Agostino, Boulogne-Billancourt - FR

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: C. Dejaco, Graz - AT

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

**Lecture:** G. Bruyn, Lelystad - NL

**Live demo:** R. Wakefield, Leeds - UK

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: G. Bruyn, Lelystad - NL

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

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

**Live demo:** C. Duftner, Kufstein - AT

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

### Chair: N. Damjanov, Belgrade - SR

15.45 - 16.15 **US of the elbow. Normal findings and basic US pathology**

**Lecture:** N. Damjanov, Belgrade - SR

**Live demo:** G. Filippou, Siena - IT

16.15 - 16.30 *Coffee Break*

16.30 - 18.00 **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: H.B. Hammer, Oslo - NO

18.00 - 18.30 **US of the hand and wrist. Normal findings and basic US pathology**

**Lecture:** M.A. D'Agostino, Boulogne-Billancourt - FR

**Live demo:** E. Filippucci, Jesi (AN) - IT

18.30 - 20.00 **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

## Saturday, March 17

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### Chair: E. Filippucci, Jesi - IT

- 08.30 - 08.55 **Basic skills in sonographic-guided procedures**  
N. Damjanov, Belgrade - SR
- 08.55 - 09.20 **US in arthritis and OA: from inflammation to structural damage lesions**  
P. Mandl, Wien - AT
- 09.20 - 09.45 **US findings vs Clinical findings: Who is the winner?**  
C. Dejaco, Gratz - AT

### Chair: A. Iagnocco, Roma - IT

- 09.45 - 10.10 **US or MRI?**  
M.A. Cimmino, Genova - IT
- 10.10 - 10.30 *Coffee Break*
- 10.30 - 10.50 **Imaging of rheumatic diseases: spondyloarthritis and rheumatoid arthritis**  
S. D'Angelo, Potenza - IT
- 10.50 - 11.10 **Imaging of Rheumatic diseases: osteoarthritis and crystal arthropathies**  
G. Filippou, Siena - IT
- 11.10 - 13.00 **Workshop 8: Supervised hand-on-scanning of patients with different rheumatic diseases**  
Faculty and Supervisors
- 13.00 - 13.10 **Final remarks**  
A. Iagnocco, Roma - IT

## Scientific Secretariat and CME Provider



Società Italiana di Reumatologia

Via Turati, 40

20121 Milano

segreteria.sir@reumatologia.it

www.reumatologia.it

Course coordinator: Annamaria Iagnocco

The Course has been endorsed by the Italian Society for Rheumatology.

Registration will be open to all EULAR Member Countries.

Participants will give their formal evaluation of the course.

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

### Accreditation

For the Italian participants the course will be accredited by the Italian Ministry of Health, in relation with the Italian Continuing Medical Educational program (CME).

### 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; 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

# GENERAL INFORMATION

## Course Venue

Hotel NH Roma Villa Carpegna  
Via Pio IV, 6  
00165 Rome - Italy

## Registration Desk

The Organizing Secretariat will be available on-site from March 15 to March 17, as follows:

Thursday, March 15 12.00 - 20.30 hrs

Friday, March 16 08.00 - 20.00 hrs

Saturday, March 17 08.00 - 14.00 hrs

## Language

The official language of the Course will be 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.

## Registration fees

- REGISTRATION FEE FOR SIR MEMBER DOCTORS (dinners and accommodation excluded): **€ 425,00**
- REGISTRATION FEE FOR NON-SIR MEMBER AND FOREIGN DOCTORS (dinners and accommodation excluded): **€ 850,00**
- FULL REGISTRATION FEE FOR SIR MEMBER DOCTORS: **€ 550,00**
- FULL REGISTRATION FEE FOR NON-SIR MEMBER AND FOREIGN DOCTORS: **€ 1.100,00**
- FULL REGISTRATION FEE FOR ITALIAN TRAINEES IN RHEUMATOLOGY (free registrations are reserved for trainees attending the 3rd academic year only): **FREE**

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 (double room for Italian Trainers, single room for SIR members, SIR NON-members and foreign).

**The registration fee does not include travel expenses.**

# GENERAL INFORMATION

## HOW TO REGISTER

On the website [www.sircourses.com](http://www.sircourses.com) is available an "on line" registration form with payment by credit card in security certificate mode "Verisign" and "SSB".

An invoice will be issued as written confirmation of your registration by the Organizing Secretariat.

## PAYMENTS

All major credit cards are accepted (American Express, VISA, Eurocard/Master Card).

### Bank Transfer

Please transfer the payment to: AIM Italy srl

Bank details: Intesa San Paolo - Filiale di Viale Conizugna 62 - Milano

IBAN: IT57D0306909457100000005623

swift/BIC: BCITITMM

The payment transfer form should clearly state the name(s) of the delegate(s) and should clearly state SIR Course Rome Musculoskeletal

## Organizing Secretariat



### AIM Group International Milan Office

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20141 Milano

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