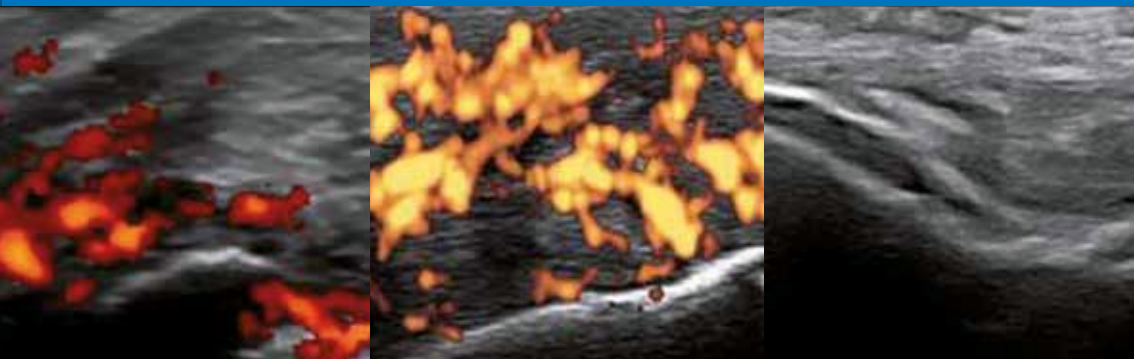


# EDUCATIONAL COURSE

**siR** 2019  
Società Italiana  
di Reumatologia



## MUSCULOSKELETAL ULTRASOUND in RHEUMATOLOGY BASIC COURSE

Rome, March 21-23, 2019

**Course Coordinator**  
Annamaria Iagnocco

Musculoskeletal ultrasound in rheumatology is a rapidly evolving imaging technique 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. Many rheumatologists are willing to learn the use and applications of musculoskeletal ultrasound in rheumatology and the demand of attending ultrasound courses is increasing. The SIR Course in musculoskeletal ultrasound in rheumatology, 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 AND TUTORS**

**Annamaria Iagnocco**, Torino - IT  
**Antonella Adinolfi**, Siena - IT  
**Marco Canzoni**, Roma - IT  
**Marco Amedeo Cimmino**, Genova - IT  
**Salvatore D'Angelo**, Potenza - IT  
**Nemanja Damjanov**, Belgrade - SR  
**Andrea Delle Sedie**, Pisa - IT  
**Georgios Filippou**, Ferrara - IT  
**Emilio Filippucci**, Jesi (AN) - IT  
**Walter Grassi**, Jesi (AN) - IT  
**Hilde Berner Hammer**, Oslo - NO  
**Luca Idolazzi**, Verona - IT  
**Zunaid Karim**, Wakefield - UK  
**Esperanza Naredo**, Madrid - ES  
**Luigi Sinigaglia**, Milano - IT  
**Richard Wakefield**, Leeds - UK

## Thursday, March 21

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12.00 - 12.50 Registration

12.50 - 13.00 **Course Opening**

A. Iagnocco, Torino - IT; L. Sinigaglia, Milano - IT

**Chair: A. Iagnocco, Torino**

13.00 - 13.25 **Sonographic pattern of musculoskeletal tissues and correlation with anatomy and histology**

N. Damjanov, Belgrade - SR

13.25 - 13.50 **Sonographic semiology (tendinosis, tenosynovitis, partial and complete tendor tear, entesopathy, bursitis, calcifications, articular cartilage lesions, cortical abnormalities and joint synovitis)**

A. Iagnocco, Torino - IT

13.50 - 14.10 **Technical characteristics and setting of US equipment in rheumatology**

E. Naredo, Madrid - ES

14.10 - 14.30 **Doppler physics and techniques. Doppler setting and optimization. Color or power Doppler?**

Z. Karim, Wakefield - UK

14.30 - 14.50 **Applications and limitations of US in rheumatology**

E. Filippucci, Jesi (AN) - IT

14.50 - 15.10 **How to implement US in rheumatology clinical practice**

A. Adinolfi, Siena - IT

15.10 - 15.30 *Coffee Break*

15.30 - 17.30 **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 Tutors

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

17.30 - 18.00 **US of the hip. Normal findings and basic US pathology**

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

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

18.00 - 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 Tutors

## Friday, March 22

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

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

**Lecture:** G. Filippou, Ferrara - IT

**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 Tutors

10.30 - 10.45 *Coffee Break*

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

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

**Lecture:** L. Idolazzi, Verona - IT

**Live demo:** Z. Karim, Wakefield - 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 Tutors

12.45 - 13.45 *Lunch*

**Chair: G. Filippou, Ferrara - IT**

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

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

**Live demo:** E. Naredo, Madrid - ES

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 Tutors

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

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

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

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

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 Tutors

**Chair: Z. Karim, Wakefield - UK**

17.30 - 18.00 **US of the hand and wrist. Normal findings and basic US pathology**

**Lecture:** E. Naredo, Madrid - ES

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

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 Tutors

## Saturday, March 23

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### Chair: E. Naredo, Madrid - ES

- 08.30 - 08.55 **Basic skills in sonographic-guided procedures**  
N. Damjanov, Belgrade - SR
- 08.55 - 09.15 **Artifacts and misinterpretation in MSUS**  
Z. Karim, Wakefield - UK
- 09.15 - 09.35 **US findings vs Clinical findings: Who is the winner?**  
R. Wakefield, Leeds - UK
- 09.35 - 10.00 *Coffee Break*

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

- 10.00 - 10.20 **US or MRI?**  
M.A. Cimmino, Genova - IT
- 10.20 - 10.40 **Imaging in rheumatic diseases**  
S. D'Angelo, Potenza - IT
- 10.40 - 11.10 **Ultrasound in rheumatic diseases**  
W. Grassi, Jesi (AN) - IT
- 11.10 - 13.10 **Workshop 8: Supervised hand-on-scanning of patients with different rheumatic diseases**  
Faculty and Tutors
- 13.10 - 13.15 **Closing remarks**  
A. Iagnocco, Torino - IT

# GENERAL INFORMATION

## 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

Registration will be open to all 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).

## Accreditamento ECM

Il corso è inserito nel Piano Formativo anno 2018 SIR – Provider nr. 2833 (www.reumatologia.it) ed è stato accreditato presso la Commissione Nazionale per la Formazione Continua con Obiettivo Formativo Area Tecnico Professionale: Contenuti tecnico-professionali (di cui conoscenze e competenze) specifici di ciascuna professione, di ciascuna specializzazione e di ciascuna attività ultraspecialistica, nello specifico malattie rare (18) e per la figura professionale del Medico Chirurgo, con specializzazione nelle seguenti discipline: allergologia ed immunologia clinica, anatomia patologica, anestesia e rianimazione, biochimica clinica, cardiologia, farmacologia e tossicologia clinica, genetica medica, geriatria, malattie metaboliche e diabetologia, malattie dell'apparato respiratorio, malattie infettive, medicina fisica e riabilitazione, medicina generale (medici di famiglia), medicina interna, medicina legale, medicina termale, nefrologia, neurochirurgia, neuroradiologia, ortopedia e traumatologia, patologia clinica (laboratorio di analisi chimico-cliniche e microbiologia), pediatria, pediatria (pediatri di libera scelta), radiodiagnostica, radioterapia, reumatologia per un numero massimo di 70 partecipanti. Oltre tale numero e per professioni/discipline differenti da quelle accreditate non sarà possibile rilasciare i crediti formativi.

L'evento ha ottenuto N. 20 crediti formativi – ID ECM: 2833 -250702 - Ed.1

Si precisa che i crediti verranno erogati a fronte di una partecipazione del 90% ai lavori scientifici e del superamento della prova di apprendimento con almeno il 75% delle risposte corrette.

## 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
- US Sessions in patients with rheumatic diseases

# GENERAL INFORMATION

## Organizing Secretariat



### AIM Group International - Milan Office

Via G. Ripamonti, 129 - 20141 Milano

Tel. +39 02 566011 - Fax +39 02 70048578

sircourses@aimgroup.eu - www.sircourses.com

## 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 21 to March 23, as follows:

Thursday, March 21 12.00 - 19.30 hrs

Friday, March 22 08.00 - 19.30 hrs

Saturday, March 23 08.00 - 13.30 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.**

## Privacy disclosure and publishing of images

Pursuant to article 13 of Legislative Decree no. 196/2003, the personal data of the participants, their videos and photos made during the event, will be used by AIM Italy s.r.l. for purposes related to the communication and the valorization of the event. Such personal data will be communicated only to those people who are in charge of the activities necessary to the aforementioned purposes. Photos and videos will be also published on the website and social networks of AIM Group International (and on the website and social networks of the event, if any). The treatment will be carried out with appropriate tools ensuring security and confidentiality and may be also carried out by computerized tools that are able to memorize, manage and transmit the personal data. The data controller is AIM Italy s.r.l., with legal seat in Milan, Via Giuseppe Ripamonti 129, vat no. 00943621003, e-mail address info.aimcongress@aimgroup.eu - info.aimcongress@aimgroup.eu. With regard to the personal data granted, included photos and videos, each participant can exercise the rights set forth in article 7 of Legislative Decree n. 196/2003 by contacting the data controller.

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