

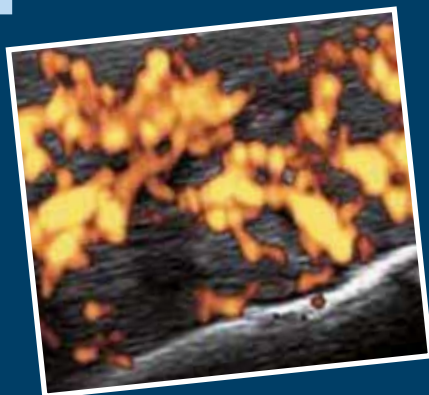
EDUCATIONAL COURSE



MUSCULOSKELETAL ULTRASOUND in RHEUMATOLOGY BASIC COURSE

Rome, March 2-4, 2017

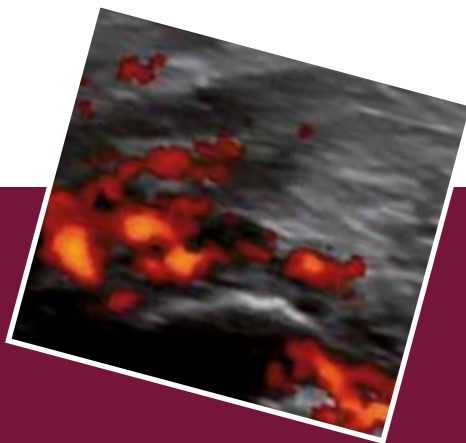
Course Coordinator
Annamaria Iagnocco



Scientific endorsement by

eular

Fighting rheumatic & musculoskeletal
diseases together



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
Marco Amedeo Cimmino, Genova - IT
Nemanja Damjanov, Belgrade - SR
Salvatore D'Angelo, Potenza - IT
Andrea Delle Sedie, Pisa - IT
Georgios Filippou, Siena - IT
Emilio Filippucci, Jesi (AN) - IT
Walter Grassi, Jesi (AN) - IT
Luca Idolazzi, Verona - IT
Zunaid Karim, Wakefield - UK
Pierluigi Macchioni, Reggio Emilia - IT
Peter Mandl, Wien - AU
Esperanza Naredo, Madrid - ES
Niccolò Possemato, Reggio Emilia - IT
Garifallia Sakellariou, Pavia - IT
Carlo Alberto Scirè, Milano - IT
Richard Wakefield, Leeds - UK

SUPERVISORS

Antonella Adinolfi, Siena - IT
Alberto Batticciotto, Milano - IT
Marco Canzoni, Roma - IT
Luca Idolazzi, Verona - IT
Valentina Picerno, Siena - IT
Lucrezia Riente, Pisa - IT

Thursday, March 2

12.00 - 12.50 Registration

12.50 - 13.00 **Opening remarks**
A. Iagnocco, Roma - 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**
E. Naredo, Madrid - ES

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 - AU

14.40 - 15.05 **Applications and limitations of US in rheumatology**
L. Wakefield, Leeds - UK

15.05 - 15.30 **Technical characteristics and setting of US equipment in rheumatology**
E. Naredo, Madrid - ES

15.30 - 15.55 **Doppler physics and techniques. Doppler setting and optimization. Color or power Doppler?**
G. Sakellariou, Pavia - IT

15.55 - 16.15 **Artifacts and misinterpretation in MSUS**
L. Idolazzi, Verona - IT

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: G. Filippou, Siena - IT

18.30 - 19.00 **US of the hip. Normal findings and basic US pathology**
Lecture: Z. Karim, Wakefield - UK
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 3

Chair: E. Naredo, Madrid – ES

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

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

Live demo: C.A. Scirè, Milano - 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: E. Naredo, Madrid - ES

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

Lecture: P. Macchioni, Reggio Emilia - IT

Live demo: N. Possemato, Reggio Emilia - IT

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: L. Wakefield, Leeds - UK

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

Lecture: A. Delle Sedie, Pisa - IT

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 Supervisors

Chair: N. Damjanov, Belgrade - SR

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

Lecture: C.A. Scirè, Milano - IT

Live demo: Z. Karim, Wakefield - UK

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: E. Filippucci, Jesi (AN) - IT

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

Lecture: N. Possemato, Reggio Emilia - IT

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 4

Chair: N. Damjanov, Belgrade - SR

- 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 - AU
- 09.20 - 09.45 **US findings vs Clinical findings: Who is the winner?**
G. Filippou, Siena - IT

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
- 13.10 **CME test**

Scientific Secretariat and Provider ECM



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.

Organizing Secretariat



AIM Group International - Milan Office

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Tel. +39 02 566011 - Fax +39 02 70048578
consisir2017@aimgroup.eu - www.sircourses.com

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 (ECM).

For Italian delegates only

Il corso è stato accreditato presso la Commissione Nazionale per la Formazione Continua con Obiettivo Formativo Tecnico Professionale: contenuti tecnico-professionali (conoscenze e competenze) specifici di ciascuna professione, di ciascuna specializzazione e di ciascuna attività ultraspecialistica. Malattie rare (18) per la Figura Professionale **Medico Chirurgo** con specializzazione nelle seguenti discipline: allergologia ed immunologia clinica; cardiologia; genetica medica; geriatria; malattie metaboliche e diabetologia; malattie dell'apparato respiratorio; malattie infettive; medicina fisica e riabilitazione; medicina interna; medicina termale; nefrologia; pediatria; radioterapia; reumatologia; neurochirurgia; ortopedia e traumatologia; anatomia patologica; anestesia e rianimazione; biochimica clinica; farmacologia e tossicologia clinica; medicina legale; neuroradiologia; patologia clinica (laboratorio di analisi chimico-cliniche e microbiologia); medicina generale (medici di famiglia); pediatria (pediatri di libera scelta); radiodiagnostica per un numero massimo di n. **70** partecipanti.

Oltre tale numero e per professioni/discipline differenti da quelle accreditate non sarà possibile rilasciare i crediti formativi.

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.

L'EVENTO HA OTTENUTO NR. 21 CREDITI FORMATIVI – ID ECM: 2833-179621 ED.1

La verifica della presenza verrà effettuata tramite firma su apposito registro. Tale firme dovranno essere apposte in entrata ed in uscita tutte le giornate del Corso.

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.

Course Venue

Starhotels Metropole
Via Principe Amedeo, 3
00185 Roma - Italy

Registration Desk

The Organizing Secretariat will be available on-site from March 2 to March 4, as follows:

Thursday, March 2	12.00 - 20.30 hrs
Friday, March 3	08.00 - 20.00 hrs
Saturday, March 4	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.

With an unrestricted educational grant of:

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