

31st EULAR Sonography Course - MSUS Advanced Vienna, Austria

Sunday, 9 June 2024 – Tuesday, 11 June 2024



The 31st EULAR Sonography Course will be run simultaneously at three levels, basic, intermediate, and advanced, each of them being a combination of lectures and hands-on scanning of models and/or patients with musculoskeletal disorders in small groups with experienced tutors. The course has been designed following the recommendations for the content and conduct of EULAR musculoskeletal ultrasound (MSUS) courses (Naredo E, Bijlsma JW, Conaghan PG, et al. Ann Rheum Dis 2008; 67:1017-22).

ORGANISATION & COMMITTEE

Scientific Organisers

- Christina Duftner (Austria)
- Irina Gessl (Austria)
- Peter Mandl (Austria)

Patients' Liaisons

- Daffodil Dioso (Austria)
- Gabriela Supp (Austria)
- Martina Durechova (Austria)
- Michael Zauner (Austria)

Faculty Members

- Andrea Delle Sedie (Italy)
- Andrea Di Matteo (Italy)
- Andreas Diamantopoulos (Norway)
- Andrew Filer (United Kingdom)
- Annamaria Iagnocco (Italy)
- Carlos Pineda (Mexico)
- Christian Dejaco (Austria)
- David Bong (Spain)
- David Kane (Ireland)
- Esperanza Naredo (Spain)
- Emilio Filippucci (Italy)
- George Bruyn (Netherlands)
- Georgios Filippou (Italy)
- Giasna Giokits (Greece)
- Giorgio Tamborrini (Switzerland)
- Helen Keen (Australia)
- Hilde Berner Hammer (Norway)
- Ingrid Möller (Spain)
- Lene Terslev (Denmark)
- Marcin Szkudlarek (Denmark)
- Maria-Antonietta D'Agostino (Italy)
- Marina Backhaus (Germany)
- Marion Kortekaas (Netherlands)
- Nemanja Damjanov (Serbia)
- Paz Collado (Spain)
- Peter Balint (Hungary)
- Richard Wakefield (United Kingdom)
- Sarah Ohrndorf (Germany)
- Wolfgang Hartung (Germany)
- Wolfgang Schmidt (Germany)
- Zunaid Karim (United Kingdom)

Special Guest Faculty

- Alexander Loizides (Austria)
- Carlo Martinoli (Italy)
- Daniel Aletaha (Austria)
- Hannes Platzgummer (Austria)
- Stefano Alivernini (Italy)

Tutors

- Christoph Porpaczy (Austria)
- Edoardo Cipolletta (Italy)
- Eva Rath (Austria)
- Florian Vreju (Romania)
- Francesco Porta (Italy)
- Gregor Holak (Austria)
- Joao Madruga Dias (Portugal)
- Luis Coronel (Spain)
- Philip Bosch (Austria)
- René Thonhofer (Austria)
- Rusmir Husic (Austria)
- Valentin Schäfer (Germany)
- Victoria Konzett (Austria)

Organising Secretariat

EULAR Office
Seestrasse 240
CH-8802 Kilchberg (Zurich)
Switzerland
T: +41 44 716 30 43
F: +41 44 716 30 39
W: www.eular.org / esor.eular.org
E: education@eular.org

EULAR Committee

EULAR Education Committee, Live Courses & Meetings Sub-Committee

COURSE DESCRIPTION

The **ADVANCED COURSE** will focus on advanced technological aspects, sonographic research, complex anatomic areas and difficult pathologies, paediatric rheumatic diseases, overuse- and sports-related disorders, and non-musculoskeletal organs involved in rheumatic diseases such as skin, nail, lung, salivary glands, vessels, and nerves. It is designed for participants with previous performance of a minimum of 200 pathological MSUS examinations and attendance to a basic and intermediate MSUS course (either a EULAR MSUS course or a EULAR scientifically endorsed course) is required before participating in a EULAR advanced-level course.

This course is one of the criteria for EULAR Competency Assessment in MSUS in Rheumatology – Level 1:

- 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 MSUS courses by [EULAR Scientific Member Societies](#) / EULAR scientifically endorsed MSUS Courses).

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

Learning objectives

- To update evidence-based knowledge and emerging research fields on MSUS in rheumatic and musculoskeletal diseases.
- To score intra-articular and periarticular inflammatory activity and structural joint damage.
- To provide information advanced use of Doppler modalities.
- To assess complex anatomic areas and difficult abnormalities by sonography.
- To assess abnormalities related to rheumatic diseases in the skin, nail, lung, salivary glands, vessels, and nerves by sonography.
- To elaborate the role of MSUS in paediatric rheumatic diseases.
- To assess overuse- and sport-related lesions by sonography.
- To inform about technological advances in sonography.

GENERAL INFORMATION

Course venue

Messe Wien Exhibition & Congress Center
Messeplatz 1
1021 Vienna, Austria

[Website](#)

Course dates

Sunday, 9 June 2024 (Start at 09:00) – Tuesday, 11 June 2024 (End at 17:45)

Official language

English

Maximum participants

60

Course fee

1000 € (VAT included), package includes:

Sunday, 09 June 2024

- Full access to the course
- Morning coffee break
- Lunch
- Afternoon coffee break

Monday, 10 June 2024

- Full access to the course
- Morning coffee break
- Lunch
- Afternoon coffee break

Tuesday, 11 June 2024

- Full access to the course
- Morning coffee break
- Lunch
- Afternoon coffee break

***Note:** *hotel/accommodation is not included in the course fee.*

Assessment & Certification

At the end of the course, all participants who have completed the course and passed the practical assessment will receive a certificate of attendance on their EULAR School user account. 100% course attendance is required.

REGISTRATION

Application requirements

- **30 slides (PowerPoint presentation)** each showing pathological images of the full range of conditions included in the basic and intermediate levels, each slide showing 1 lesion/abnormality in both longitudinal and transverse planes (60 images in total, two per slide), representative of the following joint regions : shoulder, elbow, wrist & hand, hip, knee, ankle & foot, with legend of the anatomic area, imaged structure, scanning planes, ultrasound mode and main machine settings, description of the ultrasound lesion/abnormality and ultrasound diagnosis. Identity of the person scanned should be removed.
- **Basic Level - Certification proofs for either:**
 - Basic EULAR MSUS Course certificate
Or
 - Basic EULAR scientifically endorsed MSUS course certificate
Or
 - Other equivalent level of Basic MSUS course by [EULAR Scientific Member Societies](#)
- **Intermediate Level - Certification proofs for either:**
 - Intermediate EULAR MSUS Course certificate
Or
 - Intermediate EULAR scientifically endorsed MSUS course certificate
Or
 - Other equivalent level of Intermediate MSUS course by [EULAR Scientific Member Societies](#)
- **Completion of EULAR Online Introductory Ultrasound Course** is highly recommended, but not mandatory for course participation.

However, it is a requirement for EULAR Competency Assessment – Level 1. For more details, please follow this link: <https://esor.eular.org/course/view.php?id=94>

Application process

Online: <https://esor.eular.org/course/view.php?id=456>

Please login to your EULAR School of Rheumatology account to register. If you do not have a School account, you will need to create one before applying.

Registration deadline: 7 April 2024

Early registration is advisable. Number of participants is limited.

Notification: 2-6 weeks after the receipt of your application.

Your application will be reviewed by a faculty member of the course.

Bursary

EULAR grants **5 bursaries** in the amount of **EUR 1000 each**. The amount of the bursary will be deducted from the course fee. Please apply with your motivation letter, CV and (if any) publication list within the registration system.

Bursary application deadline: 29 February 2024

Notification: mid-March 2024

Detailed Programme

Day 1 – Sunday, 9 June 2024 [advanced]

Time	Type of session & Title	Speakers
08:00 – 09:00	REGISTRATION	
09:00 – 09:15	Welcome and overview <ul style="list-style-type: none"> Objectives and content of the course 	P. Mandl C. Duftner I. Gessl
Chairs: C. Duftner and P. Mandl		
09:15 – 09:45	Ultrasound and clinical examination complementary or contradictory methods? Imaging: complementing or complicating things?	D. Aletaha
09:45 – 10:15	Early signs of RMDs on ultrasound	A. Di Matteo
10:15 – 10:45	Ultrasound in RA: update on validity and implementation in clinical practice and trials	E. Naredo
10:45 – 11:15	What is the association between ultrasound and clinical findings in RMDs?	HB. Hammer
11:15 – 11:30	COFFEE BREAK	
11:30 – 13:00	Workshop Supervised ultrasound assessment and discussion of patients with RA, SpA, PsA and OA	Faculty & tutors 1) A. Delle Sedie 2) D. Kane 3) E. Filippucci 4) G. Filippou 5) G. Tamborrini 6) HB. Hammer 7) M. Backhaus 8) P. Balint 9) P. Collado 10) W. Schmidt
13:00 – 14:00	LUNCH	
Chairs: A. Delle Sedie and A. Di Matteo		

14:00 – 14:30	Ultrasound in SpA/PsA: update on validity and implementation in clinical practice and trials	MA. D'Agostino
14:30 – 15:00	Ultrasound in OA: update on validity and implementation in clinical practice and trials	A. Iagnocco
15:00 – 15:30	Ultrasound of the lung in RMDs + live demo	A. Delle Sedie
15:30 – 16:00	Ultrasound in vasculitis + live demo	W. Schmidt
16:00 – 16:30	Ultrasound of salivary glands in RMDs + live demo	A. Di Matteo
16:30 – 17:00	Ultrasound of the lacrimal glands	L. Terslev
17:00 – 17:15	COFFEE BREAK	
17:15 – 18:45	<p>Workshop</p> <ul style="list-style-type: none"> Supervised hands-on scanning of salivary glands, vessels, skin and nails, and lung in patients and healthy subject 	<p>Faculty & tutors</p> <ol style="list-style-type: none"> 1) A. Di Matteo 2) A. Iagnocco 3) E. Naredo 4) H. Keen 5) L. Terslev 6) M. Kortekaas 7) P. Balint 8) R. Wakefield 9) W. Hartung 10) W. Schmidt

Day 2 – Monday, 10 June 2024 [advanced]

Time	Type of session & Title	Speakers
Chairs: D. Bong and I. Möller		
08:30 – 09:30	Complex anatomic areas (scanning) and difficult ultrasound abnormalities (diagnosis) in the upper limb + live demo	D. Bong / I. Möller
09:30 – 10:30	Complex anatomic areas (scanning) and difficult ultrasound abnormalities (diagnosis) in the lower limb + live demo	D. Bong / I. Möller
10:30 – 11:00	COFFEE BREAK	
11:00 – 13:00	Workshop <ul style="list-style-type: none"> Supervised hands-on scanning and discussion of patients with difficult ultrasound diagnosis in the upper limb 	Faculty & tutors 1) A. Delle Sedie 2) D. Bong 3) D. Kane 4) E. Filippucci 5) E. Naredo 6) G. Tamborrini 7) I. Möller 8) L. Terslev 9) P. Collado 10) S. Ohrndorf
13:00 – 14:00	LUNCH	
14:00 – 16:00	Workshop <ul style="list-style-type: none"> Supervised hands-on scanning and discussion of patients with difficult ultrasound diagnosis in the lower limb 	Faculty & tutors 1) A. Loizides 2) D. Bong 3) E. Filippucci 4) G. Tamborrini 5) HB. Hammer 6) H. Keen 7) I. Möller 8) M. Kortekaas 9) N. Damjanov 10) Z. Karim
16:00 – 16:30	COFFEE BREAK	
Chairs: E. Filippucci and S. Alivernini		

16:30 – 17:00	The role of artificial intelligence for ultrasound in RMDs	E. Filippucci
17:00 – 17:30	Ultrasound-guided ten synovial biopsy – how and when	S. Alivernini
17:30 – 18:00	Ultrasound-guided MSK interventions	N. Damjanov
18:00 – 18:30	Ultrasound-guided interventions in the peripheral nervous system	A. Loizides
18:30 – 18:45	GROUP PHOTO	

Day 3 - Tuesday, 11 June 2024 [advanced]

Time	Type of session & Title	Speakers
Chairs: C. Martinoli and H. Platzgummer		
08:30 – 09:00	Ultrasound assessment of peripheral nerves in RMDs	H. Platzgummer
09:00 – 09:30	Ultrasound assessment of ligaments, pulleys, retinacula	C. Martinoli
09:30 – 10:00	Ultrasound assessments of overuse and sports-related lesions	G. Tamborrini
10:00 – 10:30	COFFEE BREAK	
10:30 – 12:00	Workshop <ul style="list-style-type: none"> Supervised hands-on scanning and discussion of low back, peripheral nerves, and overuse/sports-related injuries 	Faculty & tutors 1) A. Loizides 2) C. Martinoli 3) D. Bong 4) D. Kane 5) E. Filippucci 6) E. Naredo 7) G. Tamborrini 8) H. Platzgummer 9) P. Collado 10) Z. Karim

12:00 – 13:00	LUNCH	
Chairs: W. Hartung and W. Schmidt		
13:00 – 13:30	Ultrasound and MRI in arthritis- competitors or complementary	W. Hartung
13:30 – 14:00	What is different in pediatric MSUS?	P. Collado
14:30 – 15:00	How to write an ultrasound paper and get it published	W. Schmidt
15:00 – 15:15	Information on the exam and course closing remarks	C. Duftner I. Gessl P. Mandl
15:15 – 15:45	COFFEE BREAK	
15:45 – 17:45	<p>Practical competency assessment for EULAR Level 1</p> <p>Participants who pass this assessment will receive EULAR Level 1 status for MSUS in Rheumatology.</p> <p>Each participant will perform a 10-minute MSUS examination including documentation and report of two different anatomic areas with basic abnormalities supervised and assessed by the faculty (patients)</p>	<p>Faculty</p> <ol style="list-style-type: none"> 1) D. Bong 2) D. Kane 3) E. Filippucci 4) E. Naredo 5) G. Bruyn 6) HB. Hammer 7) H. Keen 8) I. Möller 9) M.A. D'Agostino 10) M. Kortekaas 11) M. Szkudlarek 12) P. Mandl 13) R. Wakefield 14) W. Hartung 15) W. Schmidt 16) Z. Karim
17:45 – 18:15	EVALUATION BY FACULTY MEMBERS <i>*Only for faculty members</i>	

Any changes to the scientific programme or to the list of speakers are possible until the date of course. Further updates will be published on the [EULAR School of Rheumatology](#) homepage.