

32nd EULAR Sonography Course - MSUS Advanced

Barcelona, Spain

Saturday, 7 June 2025 – Monday, 9 June 2025



The 32nd 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

- Ingrid Möller (Spain)
- David Bong (Spain)
- Luis Coronel (Spain)

Patients' Liaisons

- Alba Erra (Spain)
- Andres Ponce (Spain)
- Carmen Moragues (Spain)
- Delia Reina (Spain)
- Hector Corominas (Spain)
- Jordi Montfort (Spain)
- Josep Verges (Spain)
- Juan Jose de Agustin (Spain)
- Kirsten Martínez (Spain)
- María López Lasanta (Spain)

Faculty Members

- Andrea Delle Sedie (Italy)
- Annamaria Iagnocco (Italy)
- Aurelie Najm (United Kingdom)
- Carlos Acebes (Spain)
- Carmen Ho (Hong Kong)
- Christina Duftner (Austria)
- David Bong (Spain)
- David Kane (Ireland)
- Emilio Filippucci (Italy)
- Esperanza Naredo (Spain)
- Esther Vicente (Spain)
- Francesco Porta (Italy)
- Florin Vreju (Romania)
- George Bruyn (Netherlands)
- Giorgio Tamborrini (Switzerland)
- Georgios Filippou (Italy)
- Gurgit S. Kaeley (United States)
- Hilde Berner Hammer (Norway)
- Ingrid Möller (Spain)
- Jacqueline Uson (Spain)
- Joao Madruga Dias (Portugal)
- Johan Michaud (Canada)
- Lene Terslev (Denmark)
- Luis Coronel (Spain)
- Mads Ammitzbøll (Denmark)
- Marcin Szkudlarek (Denmark)
- Maria-Antonietta D'Agostino (Italy)
- Marina Backhaus (Germany)
- Mario Chavez (Mexico)
- Marion Kortekaas (Netherlands)
- Nemanja Damjanov (Serbia)
- Paz Collado (Spain)
- Peter Balint (Hungary)
- Peter Mandl (Austria)
- Plamen Todorov (Bulgaria)
- Richard Wakefield (United Kingdom)
- Rodina Nestorova (Bulgaria)
- Stefano Alivernini (Italy)
- Wolfgang Schmidt (Germany)
- Zunaid Karim (United Kingdom)

Special Guest Faculty

- Carles Pedret (Spain)
- Carlo Martinoli (Italy)
- Christian Dejaco (Austria)
- David Vidal (Spain)
- Jordi Mollet (Spain)
- Maribel Miguel (Spain)

Tutors

- Ana Laura Alvarez (Mexico)
- Ana Lois-Iglesias (Spain)
- Andres Ponce (Spain)
- Andrew Melville (United Kingdom)
- Boris Blanco (Spain)
- Carmen Elena Ceron (Spain)
- Carmen Moragues (Spain)
- Catalina Villota (Colombia)
- Chiara Rizzo (Italy)
- Diego Saaibi (Colombia)
- Estefanía Moreno (Spain)
- Hector Corominas (Spain)
- Izzat AM Khanjar (Qatar)
- Joaquim Pereira (Portugal)
- Juan Jose de Agustin (Spain)
- Juan Molina Collada (Spain)
- Kenta Misaki (Japan)
- Lucia Mayordomo (Spain)
- Maria Kourilovitch (Ecuador)
- Maritza Quintero (Spain)
- Mario Diaz (Spain)
- Orlando Villota (Colombia)
- Paula Estrada (Spain)
- Priscilla Wong (Hong Kong)
- Renske Meijer (Netherlands)
- Rosalia Martinez-Perez (Spain)
- Silvia Sirotti (Italy)

Organising Secretariat

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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 delegates with previous performance of a minimum of 200 pathological MSUS examinations and attendance to a Basic and Intermediate MSUS courses.

Additionally, the delegate must have completed a Basic MSUS Course and Intermediate MSUS Course approved by EULAR:

- Basic EULAR MSUS Course / Basic EULAR Scientifically endorsed MSUS Course / Other equivalent level of Basic MSUS Course by National Societies (acceptance is dependent on EULAR).
- Intermediate EULAR MSUS Course / Intermediate EULAR Scientifically MSUS Course.

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

- **Criterion 1:** Basic EULAR MSUS Course.
- **Criterion 2:** Intermediate EULAR MSUS Course
- **Criterion 3:** Advanced EULAR MSUS Course
- **Criterion 4:** EULAR Online Introductory Ultrasound Course.

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

Gran Via | Fira de Barcelona - Hall 8, Convention Centre (North Access),
Carrer del Foc,
08908, L'Hospitalet de Llobregat, Barcelona, Spain
[Website](#)

Course dates

Saturday, 7 June 2025 – Monday, 9 June 2025

Official language

English

Maximum participants

60

Assessment & Certification

Upon successful completion of the course, participants who pass the practical assessment will receive a certificate, which will be available in their EULAR School user account.

*Please note that 100% attendance is mandatory for course completion.

Course fee

1000 € (VAT included), package includes:

Saturday, 7 June 2025

- Full access to the course.
- Coffee breaks.
- Lunch.

Sunday, 8 June 2025

- Full access to the course.
- Coffee breaks.
- Lunch.

Monday, 9 June 2025

- Full access to the course.
- Coffee breaks.
- Lunch.

Note: accommodation is not included in the course fee.

REGISTRATION

Application requirements

- PowerPoint presentation showing pathological images of the full range of conditions included in the Basic and Intermediate levels of the following joint regions:
 - Shoulder.
 - Elbow.
 - Wrist & hand.
 - Hip.
 - Knee.
 - Ankle & foot.

In total 60 images on 30 slides.

- Certificate of completion for a Basic MSUS Course:
 - Basic EULAR MSUS Course.
 - Basic EULAR Scientifically endorsed MSUS Course.
 - Other equivalent level of Basic MSUS Course by National Societies (acceptance is dependent on EULAR).
- Completion of completion for an Intermediate MSUS Course:
 - Intermediate EULAR MSUS Course.
 - Intermediate EULAR Scientifically endorsed MSUS Course.
- 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.

Application process

Online: <https://esor.eular.org/course/view.php?id=507>

Please login to your EULAR School of Rheumatology account to register.

Registration deadline: Sunday, 6 April 2025.

* 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: Friday, 28 February 2025.

Notification: mid-March 2025.

Detailed Programme

Day 1 – Saturday, 7 June 2025 [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. 	I. Möller
Chairs: E. Vicente & H.B. Hammer		
09:15 – 09:45	Ultrasound in Osteoarthritis: A Comprehensive Update on Validity and Integration into Clinical Practice and Trials	H.B. Hammer
09:45 – 10:15	Ultrasound in Spondyloarthropathies: Latest Updates on Validity and Clinical Implementation in Practice and Trials	M.A. D'Agostino
10:15 – 10:45	Ultrasound in Rheumatoid Arthritis: Current Insights on Validity and Practical Application in Clinical Settings and Trials	E. Naredo
10:45 – 11:15	Exploring Lung Ultrasound in Rheumatic and Musculoskeletal Diseases (20min – A. Delle Sedie) + Live Demonstration (10min – E. Vicente)	A. Delle Sedie E. Vicente
11:15 – 11:45	COFFEE BREAK	
11:45 – 13:15	Workshop Supervised ultrasound assessment and discussion of patients with RA, SpA, PsA and OA.	Faculty & tutors 1) A. Delle Sedie 2) C. Duftner 3) D. Kane 4) E. Filippucci 5) G. Filippou 6) H.B. Hammer 7) M. Backhaus 8) M.A. D'Agostino 9) P. Collado 10) W. Schmidt
13:15 – 14:15	LUNCH	
Chairs: E. Filippucci and L. Terslev		
14:15 – 14:45	Ultrasound in Vasculitis: Current Trends	W. Schmidt
14:45 – 15:15	Ultrasound of Salivary Glands in Rheumatic and Musculoskeletal Diseases (20min – L. Terslev) + Live Demonstration (10min – L. Terslev)	L. Terslev

15:15 – 15:45	Innovations in Ultrasound: Breakthrough Tools for Rheumatic and Musculoskeletal Diseases	E. Filippucci
15:45 – 16:15	In-Depth Insights: Ultrasound Assessments of ligaments	J. Michaud
16:15 – 16:45	COFFEE BREAK	
16:45 – 17:15	How and why to perform synovial biopsies?	S. Alivernini
17:15 – 17:45	Going deeper into the study of pathologies due to crystal deposits and ultrasound	G. Filippou L. Terslev
17:45 – 19:00	Workshop <ul style="list-style-type: none"> Supervised hands-on scanning of vessels, salivary glands, sports medicine, crystal deposition disease in patients and healthy subject. 	Faculty & tutors 1) C. Ho 2) E. Filippucci 3) E. Naredo 4) G. Filippou 5) J. Michaud 6) L. Terslev 7) M. Kortekaas 8) P. Wong 9) R. Wakefield 10) W. Schmidt

Day 2 – Sunday, 8 June 2025 [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 demonstration	D. Bong / I. Möller
09:30 – 10:30	Complex anatomic areas (scanning) and difficult ultrasound abnormalities (diagnosis) in the lower limb + Live demonstration	D. Bong / I. Möller
10:30 – 11:00	COFFEE BREAK	

<p>11:00 – 13:00</p>	<p>Workshop</p> <ul style="list-style-type: none"> Supervised hands-on scanning and discussion of patients with difficult ultrasound diagnosis in the upper limb. 	<p>Faculty & tutors</p> <ol style="list-style-type: none"> 1) A. Delle Sedie 2) D. Kane 3) E. Filippucci 4) E. Naredo 5) F. Porta 6) G. Bruyn 7) G. Tamborrini 8) L. Terslev 9) M. Ammitzbøll 10) P. Collado
<p>13:00 – 14:00</p>	<p>LUNCH</p>	
<p>14:00 – 16:00</p>	<p>Workshop</p> <ul style="list-style-type: none"> Supervised hands-on scanning and discussion of patients with difficult ultrasound diagnosis in the lower limb. 	<p>Faculty & tutors</p> <ol style="list-style-type: none"> 1) A. Lois-Alvarez 2) E. Filippucci 3) F. Porta 4) G. Bruyn 5) G. Tamborrini 6) H.B. Hammer 7) M. Ammitzbøll 8) M. Kortekaas 9) N. Damjanov 10) Z. Karim
<p>16:00 – 16:30</p>	<p>COFFEE BREAK</p>	
<p>Chairs: P. Collado and S. Alivernini</p>		
<p>16:30 – 17:00</p>	<p>Ultrasound-guided interventions, more than intraarticular-guided injections</p>	<p>H.B Hammer</p>
<p>17:00 – 17:30</p>	<p>Unlocking the Secrets: Ultrasound Evaluation of Peripheral Nerves in Rheumatic Musculoskeletal Disorders</p>	<p>C. Martinoli</p>
<p>17:30 – 18:00</p>	<p>Detecting Early Signs of Rheumatic and Musculoskeletal Diseases through Ultrasound</p>	<p>C. Duftner</p>
<p>18:00 – 18:30</p>	<p>Exploring Paediatric MSUS: What Sets It Apart?</p>	<p>P. Collado</p>
<p>18:30 – 18:45</p>	<p>GROUP PHOTO</p>	

Day 3 - Monday, 9 June 2025 [advanced]

Time	Type of session & Title	Speakers
Chairs: C. Dejaco and C. Martinoli		
08:30 – 09:00	Ultrasound vs. other imaging techniques in Arthritis: Rival Techniques or Collaborative Allies?	C. Martinoli
09:00 – 09:30	Skin ultrasound, importance in rheumatic diseases (20min – D. Vidal) + Live Demonstration (10min – J. Mollet)	D. Vidal J. Mollet
09:30 – 10:00	Mastering the Art of Writing an Ultrasound Research Paper: Tips for Successful Publication	G. Filippou
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 skin ultrasound 	Faculty & tutors 1) C. Martinoli 2) C. Moragues 3) D. Kane 4) F. Porta 5) G. Bruyn 6) G. Tamborrini 7) J. Mollet 8) P. Todorov 9) P. Collado 10) Z. Karim
12:00 – 13:00	LUNCH	
Chairs: A. Najm and W. Schmidt		
13:00 – 13:30	Delving into the ultrasound study of the muscle	C. Pedret
13:30 – 14:00	Exploring the Relationship Between Ultrasound Findings and Clinical Indicators in Rheumatic and Musculoskeletal Diseases	A. Najm
14:00 – 14:30	Tips and Tricks in ultrasound scan of the extremities	P. Mandl
14:30 – 14:45	Information on the exam and course closing remarks	D. Bong I. Möller L. Coronel
14:45 – 15:15	COFFEE BREAK	

<p>15:15 – 17:45</p>	<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 12-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) E. Vicente 6) F. Vreju 7) G. Bruyn 8) G. Filippou 9) H.B. Hammer 10) I. Möller 11) L. Coronel 12) M. Backhaus 13) M.A. D'Agostino 14) M. Kortekaas 15) P. Mandl 16) P. Todorov 17) R. Nestorova 18) R. Wakefield 19) W. Schmidt 20) Z. Karim
<p>17:45 – 18:15</p>	<p>EVALUATION BY FACULTY MEMBERS *Only for faculty members</p>	

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.