

27th Sonography Course – MSUS Advanced

Bad Nauheim, Germany

Sunday, 31 May – Wednesday, 3 June 2020



The 27th 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 courses (Naredo E, Bijlsma JW, Conaghan PG, et al. *Ann Rheum Dis* 2008; 67:1017-22).

ORGANISATION & COMMITTEE

Scientific Organisers

- Ulf Müller-Ladner
- Sarah Ohrndorf
- Wolfgang Schmidt

Faculty

Peter Balint, Hungary; **David Bong**, Spain; **George Bruyn**, The Netherlands; **Bhaskar Dasgupta**, United Kingdom; **Andrea Delle Sedie**, Italy; **Andreas Diamantopoulos**, Norway; **Wolfgang Hartung**, Germany; **Alojzija Hocevar**, Slovenia; **Sandrine Jousse-Joulin**, France; **Peter Mandl**, Austria; **Ingrid Möller**, Spain; **Wolfgang Schmidt**, Germany; **Giorgio Tamborrini**, Switzerland

Special Guest Faculty

Xenofon Baraliakos, Germany; **Carlo Martinoli**, Italy

Organising secretariat

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GENERAL INFORMATION

Course venue & hotel

Dolce Hotel Bad Nauheim

Elvis-Presley-Platz 1 (GPS: Terrassenstraße), 61231 Bad Nauheim, Germany

Tel.: +49 6032 3030

Email: info@dolcebadnauheim.com

Web: <https://www.dolcebadnauheim.com/en/>

Course dates

31 May (Start at 14:30), 1 June (full day), 2 June (full day), 3 June (End at 12:30)

Participants

50 participants maximum

Official language

English

Application requirement(s)

- 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 attendance
 - Or
 - Other equivalent level of Basic MSUS course by other national societies.
- Intermediate Level - Certification proofs for either:
 - Intermediate EULAR MSUS Course certificate
 - Or
 - Intermediate EULAR scientifically endorsed MSUS course attendance
 - Or
 - Other equivalent level of Intermediate MSUS course by other national societies.
- Completion of EULAR Online Introductory Ultrasound Course is highly recommended, but not mandatory for course participation.
<https://esor.eular.org/course/view.php?id=78>
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>

Registration

Course registration page: <https://esor.eular.org/course/view.php?id=108>

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.

Deadline for application: 31 March 2020

Course fee

1900 € (VAT included), package includes:

Sunday, 31 May 2020

- Full access to the 27th EULAR Sonography Course
- Accommodation at the Dolce Hotel* in single room
- Afternoon coffee break
- Dinner

Monday, 1 June 2020

- Full access to the 27th EULAR Sonography Course
- Accommodation at the Dolce Hotel* in single room, breakfast included
- Morning & Afternoon coffee breaks
- Lunch & Dinner

Tuesday, 2 June 2020

- Full access to the 27th EULAR Sonography Course
- Accommodation at the Dolce Hotel* in single room, breakfast included
- Morning & Afternoon coffee breaks
- Lunch & Dinner

Wednesday, 3 June 2020

- Breakfast included
- Full access to the 27th EULAR Sonography Course
- Morning coffee break

*In case of a high number of course participants, accommodation may be provided in another hotel in Bad Nauheim for those who apply last.

The course fee quoted is a package price; therefore, the usage of the accommodation is highly recommended. For participants who would prefer not to utilise the accommodation, a discount of 150 € will be given.

COURSE DESCRIPTION

The **ADVANCED COURSE** will focus on advanced technological aspects, research, complex anatomic areas and difficult pathologies, paediatric rheumatic diseases, overuse and sport 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 other national 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 know advanced use of Doppler modes.
- To assess complex anatomic areas and difficult abnormalities.
- To assess abnormalities related to rheumatic diseases in the skin, nail, lung, salivary glands, vessels, and nerves.
- To know the role of MSUS in paediatric rheumatic diseases.
- To assess overuse and sport-related lesions.
- To know technological ultrasound advances.

Course certification

After the course, all participants who have successfully completed the Advanced course; as well as the practical assessment during the course, will receive a certificate:

- EULAR 27th MSUS in Rheumatology Course – Advanced [Passed]

For participants who additionally meet all criteria of the EULAR Competency Assessment in MSUS in Rheumatology – Level 1 (as described above in the course description), can apply for Level 1 accreditation via their EULAR School login. The application process will take maximum 2 weeks and the certificate will be able for download in their dashboard upon application approval.

Detailed Programme

Day 1 – Sunday, 31 May 2020

Time	Type of session & Title	Speakers	Room
12:00 – 14:30	Check In & Registration	Organisers	Bad Homburg
14:30 – 14:45	Welcome and overview Objectives and content of the course	X. Baraliakos W. Schmidt	Bad Homburg
14:45 – 16:15	Chairs: X. Baraliakos, W. Schmidt		
14:45 – 15:05	Imaging in Spondyloarthritis: What does ultrasound add?	X. Baraliakos	Bad Homburg
15:05 – 15:30	Ultrasound of the dorsal pelvis region	G. Bruyn	Bad Homburg
15:30 – 15:55	Ultrasound of the proximal peripheral nerves	C. Martinoli	Bad Homburg
15:55 – 16:15	Ultrasound guided injections of the spine and sacroiliac joints	W. Hartung	Bad Homburg
16:15 – 16:45	COFFEE BREAK		Emporensaal
16:45 – 17:30	Workshop Supervised US assessment of normal anatomical structures of the spine and dorsal pelvis (models)	Faculty & Tutors	Bad Homburg
17:30 – 18:00	Chair: A. Hocevar, S. Jousse-Joulin		
17:30 – 17:45	Ultrasound of normal and abnormal salivary glands	A. Hocevar	Bad Homburg
17:45 – 18:00	Ultrasound of cervical lymph nodes	C. Martinoli	Bad Homburg
18:00 – 19:00	Workshop Supervised US assessment of the neck in normals and in patients with Sjögren's syndrome (50% patients, 50% models)	Faculty & Tutors	Bad Homburg
19:30	DINNER		Platanenhof Restaurant

Day 2 – Monday, 1 June 2020

Time	Type of session & Title	Speakers	Room
08:30 – 10:00	Chairs: C. Martinoli, I. Möller		
08:30 – 09:10	Complex anatomic areas (scanning) and difficult US abnormalities (diagnosis) in the wrist	D. Bong	Bad Homburg
09:10 – 09:30	Complex anatomic areas (scanning) and difficult US abnormalities (diagnosis) in the fingers	I. Möller	Bad Homburg
09:30 – 10:00	Normal anatomy and pathology of nerves of the upper extremity	C. Martinoli	Bad Homburg
10:00 – 10:30	COFFEE BREAK		Emporensaal
10:30 – 12:15	Workshop Supervised hands-on scanning and discussion of patients with difficult US diagnosis in the wrist and hand (patients)	Faculty & Tutors	Bad Homburg
12:15 – 13:00	Chairs: I. Möller, P. Balint		
12:15 – 12:30	Ultrasound guided synovial biopsy	I. Möller	Bad Homburg
12:30 – 13:00	Complex anatomic areas (scanning) and difficult US abnormalities (diagnosis) in the elbow	P. Balint	Bad Homburg
13:00 – 14:00	LUNCH		Platanenhof Restaurant
14:00 – 15:00	Workshop Supervised hands-on scanning and discussion of patients with difficult US diagnosis in the elbow (patients)	Faculty & Tutors	Bad Homburg
15:00 – 16:00	Chair: W. Hartung		
15:00 – 16:00	Complex anatomic areas (scanning) and difficult US abnormalities (diagnosis) in the shoulder	I. Möller	Bad Homburg
16:00 – 16:15	COFFEE BREAK		Emporensaal
16:15 – 18:00	Workshop Supervised hands-on scanning and discussion of patients with difficult US diagnosis in the shoulder (patients)	Faculty & Tutors	Bad Homburg
18:00 – 19:00	Chairs: G. Tamborrini, B. Dasgupta		
18:00 – 18:30	Traumatic and sports related lesions of the upper extremity	G. Tamborrini	Bad Homburg
18:30 – 19:00	Diagnosis and differential diagnosis of polymyalgia rheumatica	B. Dasgupta	Bad Homburg
19:30	DINNER		Platanenhof Restaurant

Day 3 – Tuesday, 2 June 2020

Time	Type of session & Title	Speakers	Room
08:30 – 10:15	Chairs: A. Diamantopoulos, A. Delle Sedie		
08:30 – 09:15	Ultrasound in vasculitis	W. Schmidt	Bad Homburg
09:15 – 09:30	Ultrasound in arteriosclerosis	P. Mandl	Bad Homburg
09:30 – 09:45	Ultrasound in venous thrombosis	A. Diamantopoulos	Bad Homburg
09:45 – 10:00	Ultrasound of the lung in rheumatic diseases	A. Delle Sedie	Bad Homburg
10:00 – 10:15	Ultrasound of skin and nails in rheumatic diseases	W. Hartung	Bad Homburg
10:15 – 10:30	COFFEE BREAK		Emporensaal
10:30 – 12:00	Workshop Supervised hands-on scanning and discussion of patients with vasculitis and other soft tissue pathologies (patients)	Faculty & Tutors	Bad Homburg
12:00 – 13:00	Chair: D. Bong, C. Martinoli		
12:00 – 12:30	Complex anatomic areas (scanning) and difficult US abnormalities (diagnosis) in the hip	D. Bong	Bad Homburg
12:30 – 13:00	Normal anatomy and pathology of nerves of the lower extremity	C. Martinoli	Bad Homburg
13:00 – 14:00	LUNCH		Platanenhof Restaurant
14:00 – 14:45	Chair: C. Martinoli		
14:00 – 14:45	Complex anatomic areas (scanning) and difficult US abnormalities (diagnosis) in the knee	G. Tamborrini	Bad Homburg
14:45 – 16:15	Workshop Supervised hands-on scanning and discussion of patients with hip and knee pathology (patients)	Faculty & Tutors	Bad Homburg
16:15 – 16:30	COFFEE BREAK		Emporensaal
16:30 – 17:30	Chairs: G. Tamborrini, D. Bong		
16:30 – 17:00	Complex anatomic areas (scanning) and difficult US abnormalities (diagnosis) in the foot	D. Bong	Bad Homburg
17:00 – 17:30	Traumatic and sports related lesions of the lower extremity	G. Tamborrini	Bad Homburg
17:30 – 19:00	Workshop Supervised hands-on scanning and discussion of patients with foot pathology (patients)	Faculty & Tutors	Bad Homburg
19:00	Group photo		Emporensaal
19:30	DINNER		Platanenhof Restaurant

Day 4 – Wednesday, 3 June 2020

Time	Type of session & Title	Speakers	Room
08:30 – 10:00	Chairs: P. Mandl, G. Bruyn		
08:30 – 09:00	What is different in paediatric MSUS?	S. Jousse-Joulin	Bad Homburg
09:00 – 09:20	Early signs of rheumatic diseases on ultrasound	P. Mandl	Bad Homburg
09:20 – 09:40	Brief summary of current scoring methods in rheumatology	P. Balint	Bad Homburg
09:40 – 10:00	How to write an ultrasound paper and get it published	G. Bruyn	Bad Homburg
10:00 – 10:15	COFFEE BREAK		Emporensaal
10:15 – 12:15	<p>Practical competency assessment for EULAR Level 1</p> <p>This assessment is optional. 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>	Faculty	Bad Homburg
12:15 – 12:30	Closing Remarks	W. Schmidt	Bad Homburg