

27th Sonography Course – MSUS Basic

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

- Wolfgang Schmidt
- Sarah Ohrndorf
- Ulf Müller-Ladner

Faculty

Marina Backhaus, Germany; **Nemanja Damjanov**, Serbia; **Christina Duftner**, Austria; **Petra Hanova**, Czech Republic; **Nevsun Inanc**, Turkey; **David Kane**, Ireland; **Zunaid Karim**, United Kingdom; **Marion Kortekaas**, The Netherlands; **Mihaela Micu**, Romania; **Sarah Ohrndorf**, Germany; **Salih Pay**, Turkey; **Johannes Strunk**, Germany; **Ingo Tarner**, Germany; **Ender Terzioglu**, Turkey

Hands-on Tutors

Artur Bachta, Poland; **Matthias Broll**, Germany; **Stavros Chrysidis**, Denmark; **Stephanie Finzel**, Germany; **Anne-Marie Glimm**, Germany; **Rebecca Hasseli**, Germany; **Erik Af Klint**, Sweden; **Anna Maier**, Germany; **Fabian Proft**, Germany; **Horst Sattler**, Germany; **Valentin Schäfer**, Germany; **Katrin Storck-Müller**, Germany; **Violeta Vlad**, Romania

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: 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)

Regular participants:

- No prerequisites

Registration

Course registration page: <https://esor.eular.org/course/view.php?id=106>

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 **BASIC COURSE** will focus on learning ultrasound physics, image acquisition, normal sonoanatomy, the standardised examination techniques and ultrasound findings in basic pathology.

The **BASIC COURSE** is recommended for participants with little or no experience in MSUS. Completion of the EULAR Online Introductory Ultrasound Course is highly recommended before participating in a EULAR basic-level course, however it is not a mandatory requirement for course participation.

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 know the application, indications and limitations of MSUS in rheumatology.
- To know the ultrasound physics and technology.
- To identify the sonographic pattern of the different musculoskeletal tissues.
- To recognize musculoskeletal artefacts and pitfalls.
- To hold the probe, to optimize B-mode settings of the ultrasound equipment and to acquire ultrasound images.
- To identify MSUS anatomy of each major anatomic area (i.e. shoulder, elbow, wrist and hand, hip, knee, ankle and foot).
- To learn the systematic standardised scanning technique for each major anatomic area (i.e. shoulder, elbow, wrist and hand, hip, knee, ankle and foot).
- To document images and to report ultrasound findings and diagnosis.
- To detect and identify basic MSUS abnormalities (e.g. joint effusion and synovial hypertrophy, tenosynovitis, enthesopathy, complete tendon tear, calcifications, bursitis, bone erosions and osteophytes, cartilage damage).

Course certification

After the course, all participants who have successfully completed the Basic course will receive a certificate:

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

Detailed Programme

Day 1 – Sunday, 31 May 2020

Time	Type of session & Title	Speakers	Room
12:00 – 14:30	Check In & Registration	Organisers	
14:30 – 14:45	Welcome and overview - Objectives and content of the course - EULAR Competency assessment in MSUS	U. Müller-Ladner S. Ohrndorf	Spiegelsaal
14:45 – 16:00	Chairs: S. Ohrndorf, U. Müller-Ladner		
14:45 – 15:15	Why should we perform ultrasound as rheumatologists?	S. Ohrndorf	Spiegelsaal
15:15 – 15:30	How to best learn to perform ultrasound	N. Damjanov	Spiegelsaal
15:30 – 15:45	How to sit and hold a probe	D. Kane	Spiegelsaal
15:45 – 16:00	What is what on an ultrasound machine?	S. Pay	Spiegelsaal
16:00 – 16:15	COFFEE BREAK		Emporensaal
16:15 – 17:15	Workshop How to sit and set the ultrasound machine (models)	Faculty / Tutors	Spiegelsaal
17:15 – 18:00	Chairs: C. Duftner, P. Hanova, S. Ohrndorf		
17:15 – 17:35	Physics of ultrasound	C. Duftner	Spiegelsaal
17:35 – 18:00	Ultrasound patterns of the different musculoskeletal tissues	S. Ohrndorf	Spiegelsaal
18:00 – 19:00	Workshop US appearance of musculoskeletal tissues and structures (i.e. tendons, muscles, ligaments, nerves, articular cartilage, joint space, joint recesses, joint capsules, and bone profile). B-mode artefacts and pitfalls. (models)	Faculty & Tutors	Spiegelsaal
19:30	DINNER		Platanenhof Restaurant

Day 2 – Monday, 1 June 2020

Time	Type of session & Title	Speakers	Room
08:30 – 10:15	Chairs: M. Backhaus, Z. Karim		
08:30 – 09:00	Artefacts and pitfalls	N. Inanc	Spiegelsaal
09:00 – 09:45	Scanning (hand) - Standardised scanning of the hand (30 min) - Live demo (15 min)	Z. Karim	Spiegelsaal
09:45 – 10:15	Scanning (fingers) - Standardised scanning of the fingers (15 min) - Live demo (15 min)	M. Backhaus	Spiegelsaal
10:15 – 10:30	COFFEE BREAK		Emporensaal
10:30 – 12:15	Workshop (hand & fingers) Supervised standardised scanning of the hand and fingers (models)	Faculty & Tutors	Spiegelsaal
12:15 – 13:00	Chair: N. Inanc		
12:15 – 13:00	Scanning (elbow) - Standardised scanning of the elbow (30 min) - Live demo (15 min)	P. Hanova	Spiegelsaal
13:00 – 14:30	LUNCH		Platanenhof Restaurant
14:30 – 15:30	Workshop (elbow) Supervised standardised scanning of the elbow (models)	Faculty & Tutors	Spiegelsaal
15:30 – 16:30	Chair: S. Pay		
15:30 – 16:30	Scanning (shoulder) - Standardised scanning of the shoulder (40 min) - Live demo (20 min)	J. Strunk	Spiegelsaal
16:30 – 17:00	COFFEE BREAK		Emporensaal
17:00 – 19:00	Workshop (shoulder) Supervised standardised scanning of the shoulder (models)	Faculty & Tutors	Spiegelsaal
19:30	DINNER		Platanenhof Restaurant

Day 3 – Tuesday, 2 June 2020

Time	Type of session & Title	Speakers	Room
08:30 – 09:30	Chairs: N. Damjanov, E. Terzioglu		
08:30 – 08:50	Documentation of US images and report of US findings	N. Damjanov	Spiegelsaal
08:50 – 09:30	Scanning (hip) Standardised scanning of the hip (25 min) Live demo (15 min)	E. Terzioglu	Spiegelsaal
09:30 – 10:30	Workshop (hip) Supervised standardised scanning of the hip (models)	Faculty & Tutors	Spiegelsaal
10:30 – 10:45	COFFEE BREAK		Emporensaal
10:45 – 11:30	Chair: I. Tarner		
10:45 – 11:30	Scanning (knee) Standardised scanning of the knee (30 min) Live demo (15 min)	C. Duftner	Spiegelsaal
11:30 – 13:00	Workshop (knee) Supervised standardised scanning of the knee (models)	Faculty & Tutors	Spiegelsaal
13:00 – 14:30	LUNCH		Platanenhof Restaurant
14:30 – 16:00	Chairs: M. Kortekaas, I. Tarner		
14:30 – 15:30	Scanning (foot) Standardised scanning of the foot (30 min) Live demo (15 min)	M. Kortekaas	Spiegelsaal
15:30 – 16:00	Scanning (toes) Standardised scanning of the toes (30 min) Live demo (15 min)	I. Tarner	Spiegelsaal
16:00 – 16:15	COFFEE BREAK		Emporensaal
16:15 – 18:00	Workshop (foot and toes) Supervised standardized scanning of the foot and toes (models).	Faculty & Tutors	Spiegelsaal
18:00 – 19:00	Chairs: M. Micu, J. Strunk		
18:00 – 18:15	Basic pathology of the hip	Z. Karim	Spiegelsaal
18:15 – 18:35	Basic pathology of the knee	J. Strunk	Spiegelsaal
18:35 – 19:00	Basic pathology of the foot	M. Micu	Spiegelsaal
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 – 09:45	Workshop Basic pathology of lower extremity (patients)	Faculty & Tutors	Spiegelsaal
09:45 – 10:45	Chairs: D. Kane, M. Backhaus		
09:45 – 10:05	Basic pathology of the hand	S. Ohrndorf	Spiegelsaal
10:05 – 10:20	Basic pathology of the elbow	M. Backhaus	Spiegelsaal
10:20 – 10:45	Basic pathology of the shoulder	D. Kane	Spiegelsaal
10:45 – 11:00	COFFEE BREAK		Emporensaal
11:00 – 12:15	Workshop Basic pathology of upper extremity (patients)	Faculty & Tutors	Spiegelsaal
12:15 – 12:30	Closing Remarks	S. Ohrndorf M. Backhaus	Spiegelsaal