

## 3<sup>rd</sup> EULAR-PreS PAED MSUS Course

Bad Nauheim, Germany

Monday, 1 June – Wednesday, 3 June 2020



The course is a combination of lectures and hands-on scanning of models and/or patients with paediatric rheumatic diseases 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, JW, Conaghan PG, et al. Ann Rheum Dis 2008; 67:1017-22).

# ORGANISATION & COMMITTEE

## Scientific Organisers

- Daniel Windschall
- Wolfgang Schmidt
- Ulf Müller-Ladner

## Faculty

**Paz Collado**, Spain; **Sandrine Jousse-Joulin**, France; **Hartwig Lehmann**, Germany; **Silvia Magni-Manzoni**, Italy; **Clara Malattia**, Italy; **Esperanza Naredo**, Spain; **Johannes Roth**, Canada; **Wolfgang Schmidt**, Germany; **Jelena Vojinovic**, Serbia; **Daniel Windschall**, Germany

## Hands-on Tutors

**Christoph Rietschel**, Germany; **Martina Steiner**, Spain; **Ralf Trauzeddel**, Germany

## Organising secretariat

EULAR School of Rheumatology  
Seestrasse 240, CH-8802 Kilchberg  
Switzerland

T: +41 44 716 30 30

F: +41 44 716 30 39

W: [www.eular.org](http://www.eular.org)

E: [education@eular.org](mailto:education@eular.org)

## GENERAL INFORMATION

### Course venue

Dolce Hotel Bad Nauheim

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

Tel.: +49 6032 3030

Email: [info@dolcebadnauheim.com](mailto:info@dolcebadnauheim.com)

Web: [www.dolcebadnauheim.com/en/](http://www.dolcebadnauheim.com/en/)

### Hotel / accommodation

Best Western Hotel Rosenau

Steinfurther Str. 1-5, 61231 Bad Nauheim, Deutschland

Tel.: +49 6032 96460

Web: [www.bestwestern.com/en\\_US/book/hotels-in-bad-nauheim/best-western-hotel-rosenau/propertyCode.95315.html](http://www.bestwestern.com/en_US/book/hotels-in-bad-nauheim/best-western-hotel-rosenau/propertyCode.95315.html)

### Course dates

1 June (Start at 13:30), 2 June (full day), 3 June (End at 12:45)

### Participants

30 participants maximum

### Official language

English

## Application requirement(s)

No prerequisites

### Registration

Course registration page: <https://esor.eular.org/course/view.php?id=101>

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.

## Course fee

**1400 €** (VAT included), package includes:

Monday, 1 June 2020

- Full access to the Course
- 1-night accommodation at the Best Western Hotel Rosenau in single room, breakfast included
- Afternoon coffee break
- Dinner

Tuesday, 2 June 2020

- Full access to the Course
- 1-night accommodation at the Best Western Hotel Rosenau in single room, breakfast included
- Morning & Afternoon coffee breaks
- Lunch & Dinner

Wednesday, 3 June 2020

- Full access to the Course
- Morning coffee break

**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 100 € will be given.**

## COURSE DESCRIPTION

The course will focus on learning ultrasound physics, image acquisition, normal sonoanatomy and the standardised examination method in children as well as the main applications of MSUS in paediatric rheumatic and musculoskeletal diseases.

### Educational objectives

- Identify the spectrum of musculoskeletal pathology with ultrasound that commonly appears in rheumatological practice
- Know physics and application of Doppler sonography for musculoskeletal ultrasound
- Ability to perform sonographic-guided articular injections.

### Learning objectives

- To know the principles and applications of MSUS in children
- To learn ultrasound machine handling, setting optimization and artefacts
- To identify the sonographic pattern of musculoskeletal tissues in children
- To learn normal musculoskeletal sonoanatomy in children
- To learn the standardised ultrasound assessment of each musculoskeletal anatomic region in children
- To detect and identify basic pathological MSUS findings in children
- To learn ultrasound-guided injections
- To document images and to report ultrasound findings

### Course certification

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

- EULAR-PreS 3<sup>rd</sup> MSUS PAED in Rheumatology Course [Passed]

## Detailed Programme

### Day 1 – Monday, 1 June 2020

Time	Type of session & Title	Speakers	Room
12:00 – 13:30	<b>Check In &amp; Registration</b>	Organisers	Sprudelhof
13:30 – 13:45	<b>Welcome and overview</b> Objectives and content of the course	Daniel Windschall	Sprudelhof
13:45 – 14:15	<b>Basic grey-scale and Doppler principles and artefacts of musculoskeletal ultrasound (MSUS)</b>	Esperanza Naredo	Sprudelhof
14:15 – 14:35	<b>Role of MSUS in paediatric clinical practice</b>	Paz Collado	Sprudelhof
14:35 – 15:00	<b>Anatomic components and ultrasound pattern of musculoskeletal tissues in children</b>	Sandrine Jousse-Joulin	Sprudelhof
15:00 – 15:30	<b>COFFEE BREAK</b>		Emporensaal
15:30 – 16:00	<b>Standardized MSUS scanning approach in paediatric rheumatology</b>	Jelena Vojinovic	Sprudelhof
16:00 – 16:20	<b>Physiological vascularization of healthy joints in children</b>	Daniel Windschall	Sprudelhof
16:20 – 16:50	<b>Pathological MSUS findings in children</b>	Silvia Magni-Manzoni	Sprudelhof
16:50 – 17:10	<b>MSUS of the child's entheses</b>	Johannes Roth	Sprudelhof
17:10 – 19:00	<b>Workshop</b> (models) Supervised handling of the probe and optimisation of settings. US appearance of musculoskeletal tissues and structures in children (healthy children)	All Faculty	Sprudelhof
19:30	<b>DINNER</b>		

## Detailed Programme

### Day 2 – Tuesday, 2 June 2020

Time	Type of session & Title	Speakers	Room
09:00 – 09:30	<b>Sonoanatomy and standardised scanning of the child's <u>knee</u>.</b> Basic pathological findings	Jelena Vojinovic	Sprudelhof
09:30 – 10:00	<b>Sonoanatomy and standardised scanning of the child's <u>ankle and foot</u>.</b> Basic pathological findings	Hartwig Lehmann	Sprudelhof
10:00 – 10:30	<b>Sonoanatomy and standardised scanning of the child's <u>hip</u>.</b> Basic pathological findings	Daniel Windschall	Sprudelhof
10:30 – 11:00	<b>COFFEE BREAK</b>		<b>Emporensaal</b>
11:00 – 13:00	<b>Workshop</b> Supervised standardised scanning of the <u>hip, knee, ankle and foot</u> (models). Basic pathological findings (patients and video live demo) (children patients)	All Faculty	Sprudelhof
13:00 – 14:30	<b>LUNCH</b>		<b>Emporensaal</b>
14:30 – 15:00	<b>Sonoanatomy and standardised scanning of the child's <u>shoulder</u>.</b> Basic pathological findings	Clara Malattia	Sprudelhof
15:00 – 15:30	<b>Sonoanatomy and standardised scanning of the child's <u>elbow</u>.</b> Basic pathological findings	Paz Collado	Sprudelhof
15:30 – 16:00	<b>Sonoanatomy and standardised scanning of the child's <u>wrist and hand</u>.</b> Basic pathological findings	Silvia Magni-Manzoni	Sprudelhof
16:00 – 16:30	<b>COFFEE BREAK</b>		<b>Emporensaal</b>
16:30 – 18:30	<b>Workshop</b> Supervised standardised scanning of the shoulder, elbow, wrist and hand (models). Basic pathological findings (patients and video live demo) (children patients)	All Faculty	Sprudelhof
19:30	<b>DINNER</b>		

## Day 3 – Wednesday, 3 June 2020

Time	Type of session & Title	Speakers	Room
09:00 – 09:30	Report of US findings	Wolfgang Schmidt	Sprudelhof
09:30 – 10:15	US-guided intra-articular injections	Johannes Roth	Sprudelhof
10:15 – 10:30	COFFEE BREAK		Emporensaal
10:30 – 12:30	<b>Workshop</b> MSUS-guided injections (phantoms)	All Faculty	Sprudelhof
12:30 – 12:45	<b>Closing Remarks</b>	Daniel Windschall	Sprudelhof