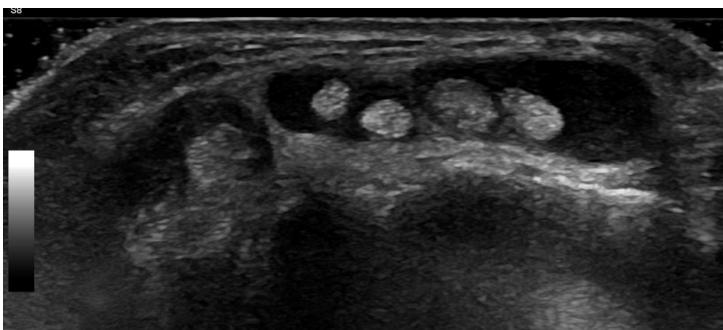




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**MUSCULOSKELETAL ULTRASOUND  
COURSE  
- BASIC LEVEL-  
Graz, October 14th – 16th 2026**



This course has been scientifically endorsed by:



Dear colleague,

musculoskeletal ultrasound is increasingly used by rheumatologist and other health professionals for diagnostic and monitoring purposes. In order to achieve high quality results, a structured training in normal anatomy and pathology is needed.

In this basic level EUROSON School course, we will introduce you into the standard scans and anatomy of joints and other musculoskeletal structures. Besides, we will discuss basic but common pathological findings in rheumatic diseases. This course is composed of clinical lectures, live demonstrations and hands on sessions in small groups. Most speakers and tutors are experienced sonographers and certified EULAR teachers.

We invite all physicians and health care professionals interested to learn the applications of sonography in rheumatology to this EUROSON School course, basic level. We hope to welcome you in October 2026 in Graz, Austria

**Christian Dejaco and Rusmir Husic**

## GENERAL INFORMATION

### Course opening

Wednesday, October 14<sup>th</sup>, 2026 - h 17.00

### Course closing

Friday, October 16<sup>th</sup>, 2026 - h 19.00

### Official course language

English

### Congress Venue

#### Hotel Novapark

Fischeraustraße 22,  
8051 Graz

[www.novapark.at](http://www.novapark.at)

### Scientific Organizer

#### ***Christian Dejaco, MD, PhD, MBA***

Medical University Graz; Department of Rheumatology and Immunology; Rheumatology service; South Tyrol Health Trust; Hospital of Bruneck

#### ***Rusmir Husic, MD***

Medical University Graz; Department of Rheumatology and Immunology;

### Faculty

***Christina Duftner, MD, PhD (Innsbruck, Austria) – EULAR teacher***

***Peter Mandl, MD, PhD (Vienna, Austria) – EULAR teacher***

***Christian Dejaco, MD, PhD, MBA (Bruneck, Italy) – EULAR teacher***

***Wolfgang Hartung, MD (Bad Abbach, Germany) – EULAR teacher***

***Wolfgang Schmidt, MD (Berlin, Germany) – EULAR teacher***

***Rusmir Husic, MD (Graz, Austria) – EULAR teacher***

***Tobias Dezordo, MD (Brixen, Italy)***

### Organizing Secretariat

#### ***Noelle Tybery***

Department of Rheumatology and Immunology  
8036 Graz, Austria

### Course registration

Course applications (no specific form required) containing a contact e-mail address should be e-mailed to

***noelle.tybery@uniklinikum.kages.at***

For questions, please call +43-316-38517779

The course fee is **1300 EUR** per participant. This includes all course material, accommodation and coffee breaks.

## OBJECTIVES

- To learn the basic normal musculoskeletal ultrasonographic (MSUS) anatomy
- To understand the basic pathological MSUS findings
- To learn the systematic and standardized sonographic scanning methods for each anatomical region
- To understand the applications, indications, and limitations of MSUS in rheumatology
- To learn proper image documentation techniques
- To acquire basic knowledge of Colour and Power Doppler applications for detecting synovial and enthesal inflammation

## MAIN TOPICS

- Principles of ultrasound physics and technology; technical characteristics of ultrasound equipment used in rheumatology; applications, indications, and limitations of MSUS
- MSUS anatomy, artefacts, and misinterpretation of MSUS findings
- Standardized sonographic scanning methods for each anatomical region (shoulder, elbow, wrist and hand, hip, knee, ankle, and foot) according to EULAR recommendations
- Basic pathological sonographic findings (tendinosis, tenosynovitis, partial and complete tendon tears, enthesopathy, bursitis, calcifications, articular cartilage lesions, cortical abnormalities, and joint synovitis)
- Reporting of ultrasound findings and formulation of diagnoses

## LIVE DEMONSTRATIONS

- Demonstration of standard scans according to EULAR guidelines
- Discussion of common artefacts and pitfalls

## WORKSHOPS

- Practical training on ultrasound system settings and handling

- Supervised identification of musculoskeletal sonoanatomy
- Supervised standardized sonographic scanning of the shoulder, elbow, wrist and hand, hip, knee, ankle, and foot
- Supervised hands-on scanning of patients with basic-level musculoskeletal pathologies
- Supervised assessment of basic-level sonographic pathologies and grading of inflammation

## REQUIREMENTS OF ATTENDEES

- No prior experience in musculoskeletal sonography is required to attend the basic-level ultrasound course

Dieser Kurs wird für das Fach Rheumatologie für das DFP-Diplom anerkannt.

## SCIENTIFIC PROGRAMME

### Day 1

16:00-17:00	<b>Registration</b>
17:00-17:15	Welcome ( <i>R. Husic, C. Dejaco</i> )
<b>Application, indications and limitations of ultrasound in rheumatology</b>	
Chairperson:	<i>P. Mandl</i>
17:15-17:45	Applications and limitations of ultrasound in rheumatology ( <i>R. Husic</i> )
<b>Ultrasound physics and technology</b>	
Chairperson:	<i>T. DeZordo</i>
17:45-18:00	Technical requirements, physics ( <i>W. Hartung</i> )
18:00-18:30	How to optimize grey-scale and Doppler settings ( <i>W. Hartung</i> )
18:30-19:15	<b>Workshop 1:</b> optimizing ultrasound settings ( <i>all faculty</i> )
19:30	<b>Dinner</b>

### Day 2

#### Sonographic pattern of the different musculoskeletal tissues and standard sonographic scans of the wrist and hand

Chairperson: *R. Husic*

8:30-8:50 Sonographic pattern of the different musculoskeletal tissues (*C. Duftner*)

8:50-9:20 Systematic investigation of wrist and hand – normal MSUS anatomy (*C. Duftner*)

9:20-9:30 **Live demonstration:** Standard scans and normal MSUS anatomy of wrist and hands (*C. Duftner*)

9:30-10:30 **Workshop 2:** Supervised practical session on healthy subjects: Standard scans and normal MSUS anatomy of wrist and hands (*all faculty*)

10:30-11:00 **Coffee break**

#### Standard sonographic scans and normal MSUS anatomy of the elbow and shoulder

Chairperson: *W. Schmidt*

11:00-11:30 Systematic investigation of the elbow – normal MSUS anatomy (*C. Dejaco*)

11:30-11:45 **Live demonstration:** Standard scans and normal MSUS anatomy of the elbow (*C. Dejaco*)

11:45-13:00 **Workshop 3:** Supervised practical session on healthy subjects: Standard scans and normal MSUS anatomy of elbow (*all faculty*)

13:00-14:00	<b>Lunch</b>
14:00-14:30	Systematic investigation of the shoulder – normal MSUS anatomy ( <i>W. Hartung</i> )
14:30-14:45	<b>Live demonstration:</b> Standard scans and normal MSUS anatomy of the shoulder ( <i>W. Hartung</i> )
14:45-16:00	<b>Workshop 4:</b> Supervised practical session on healthy subjects: Standard scans and normal MSUS anatomy of shoulder ( <i>all faculty</i> )
16:00-16.30	<b>Coffee break</b>
<b>Standard sonographic scans and normal MSUS anatomy of the hip and knee</b>	
Chairperson:	<i>C. Duftner</i>
16:30-16:45	Systematic investigation of the hip – normal MSUS anatomy ( <i>W. Schmidt</i> )
16:45-17:00	<b>Live demonstration:</b> Standard scans and normal MSUS anatomy of the hip ( <i>W. Schmidt</i> )
17:00-17:45	<b>Workshop 5:</b> Supervised practical session on healthy subjects: Standard scans and normal MSUS anatomy of hip ( <i>all faculty</i> )
17:45-18:15	Systematic investigation of the knee – normal MSUS anatomy ( <i>T. DeZordo</i> )
18:15-18:30	<b>Live demonstration:</b> Standard scans and normal MSUS anatomy of the knee ( <i>T. DeZordo</i> )

18:30-19:30	<b>Workshop 6:</b> Supervised practical session on healthy subjects: Standard scans and normal MSUS anatomy of knee ( <i>all faculty</i> )
19:30- 20:15	Satellite symposium (sponsored by TBN)
20:30	<b>Dinner</b>

### Day 3

#### Standard sonographic scans and normal MSUS anatomy of the ankles and feet

Chairperson: *W. Hartung*

8:30-9:00 Systematic investigation of the ankles and feet – normal MSUS anatomy (*P. Mandl*)

9:00-9:15 **Live demonstration:** Standard scans and normal MSUS anatomy of the ankles and feet (*P. Mandl*)

9:15-10:30 **Workshop 7:** Supervised practical session on healthy subjects: Standard scans and normal MSUS anatomy of ankles and feet (*all faculty*)

10:30-11:00 **Coffee break**

#### Basic pathologies, Image documentation, MSUS artefacts and pitfalls

Chairperson: *C. Dejaco*

11:00-11:30 Basic course pathologies part 1: Synovitis, Bursitis, Tenosynovitis (*R. Husic*)

11:30-12:00 Basic course pathologies part 2: Erosions, Osteophytes, Enthesitis (*W. Schmidt*)

12:15- 12:30 Image documentation and Reporting ultrasound findings and diagnosis (*T. DeZordo*)

12:30- 13:00 MSUS artefacts and pitfalls (*P. Mandl*)

13:00- 14:00 **Lunch**

14:00- 15:00

**Workshop 9:** Supervised practical session on patients: Basic course pathologies (*all faculty*)

#### What we learnt so far....

Chairperson: *P. Mandl*

15:00-15:30 **Live demonstration:** Standard scans and normal MSUS anatomy of wrists, hands, elbow and shoulder (*W. Hartung*)

15:30-16:00 **Live demonstration:** Standard scans and normal MSUS anatomy of hips, knees, ankle and feet (*W. Schmidt*)

16:00-16.30 **Coffee break**

16:30-18:30 **Workshop 10:** Supervised practical session on healthy subjects: Standard scans and normal MSUS anatomy of wrist, hands, elbow, shoulder, hips, knees (*all faculty*)

18:30- 19:00

**Closing remarks and evaluation (R. Husic, C. Dejaco)**

**VFR**

**Canon**  
CANON MEDICAL SYSTEMS