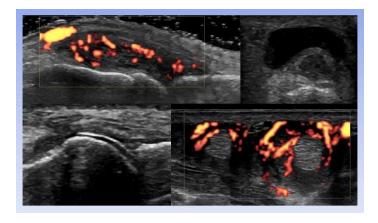


MUSCULOSKELETAL SONOGRAPHY COURSE IN RHEUMATOLOGY - INTERMEDIATE LEVEL-

Graz, October 4th - 6th 2020



This course has been scientifically endorsed by:











Dear colleague,

We are happy to announce our intermediate level ultrasound course in rheumatology.

This course will introduce you into the main ultrasound pathologies in the field of rheumatology following the EULAR and EFSUMB recommendations.

Physicians and health care professionals with an interest in musculoskeletal sonography are going to learn the ultrasound characteristics of arthritis, tenosynovitis and enthesitis in patients with rheumatic diseases. Besides, specific findings in crystal arthropathies as well as structural changes in inflammatory and degenerative joint diseases will be discussed. We will also introduce you into the ultrasound guided infiltration technique.

As all our courses, this course will be composed of clinical lectures, live demonstrations and hands on sessions in small groups. All speakers and tutors are experienced sonographers and certified EULAR teachers. The majority of speakers are also EFSUMB level 3 sonographers.

This course is endorsed by EFSUMB, the ÖGR and the ÖGUM.

We invite all physicians and health care professionals with an interest in sonography in rheumatology to this EUROSON School course, intermediate level in Graz.

We hope to welcome you in October 2020 in Graz, Austria

Christian Dejaco and Rusmir Husic

GENERAL INFORMATION

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Course opening

Sunday, 4th October 17:00 h

Course closing

Tuesday, 6th October 20:00 h

Official course language

English

Congress Venue Hotel Novapark

Fischeraustraße 22, 8051 Graz

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 (Graz, Austria / 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

Organizing Secretariat Noelle Tybery

Department of Rheumatology and Immunology 8036 Graz, Austria

Course registration

Course applications (using the form at the end of this document) containing a contact e-mail address should be e-mailed to **noelle.tybery@klinikum-graz.at** or faxed to +43-316-38517813. For questions, please call +43-316-38517779

The course fee is **990 EUR** per participant (tax, lodging and food included).

OBJECTIVES

- To learn physics/technique, applications, use and limitations of colour and power Doppler sonography in rheumatology.
- To learn intermediate level pathologies including Bmode and Doppler findings of inflammation at joints, tendons and entheses
- To learn detection and quantification of structural changes at bones, cartilage, tendons and entheses in rheumatology
- To learn characteristical findings in crystal artropathies
- To learn basics about ultrasound guided injections

MAIN TOPICS

- Colour and power Doppler physics and technology; applications, use and limitations (including artifacts) of colour and power Doppler sonography
- Intermediate level pathological findings (B-mode and colour/power Doppler) at joints, tendons, bursae and entheses
- Structural changes at bones, tendons and entheses in rheumatology
- Characteristic changes in crystal arthropathies
- Ultrasound guided injections

LIVE DEMONSTRATIONS

- To demonstrate standard scans and intermediate level pathologies in patients with rheumatic diseases
- To discuss common colour and power Doppler artefacts and pitfalls

WORKSHOPS

- Optimization of colour and power Doppler settings
- Supervised standardized sonographic scanning of the shoulder, elbow, wrist and hand, hip, knee, ankle and foot in patients with rheumatic diseases
- Supervised hands-on scanning with identification of intermediate level pathologies

Supervised training of ultrasound guided injections using phantoms

TIMETABLE

 Musculoskeletal Sonography Course in Rheumatology, Intermediate Level, consists of >20 hours of activities within 3 days

REQUIREMENTS OF ATTENDEES

 Previous performance of >100 is strongly recommended before participating the intermediatelevel cours

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

SCIENTIFIC PROGRAMME

Sunday, 4th October 2020

17:00 – 18:00 **Registration**

18:00 – 18:15 Welcome (R. Husic)

Application, indications and limitations of B-mode and color/power Doppler sonography in rheumatology

Chairperson: W. Schmidt

18:15-18:45 Color and power Doppler physics,

settings and artifacts (W. Hartung)

18:45-19:30 Use of B-mode and color/power

Doppler to detect and quantify

synovial inflammation in

rheumatology; differentiation of synovitis from ganglia and cysts (R.

Husic)

19:30-19:45 **Live demonstration**: B-mode and

color/power Doppler findings in

rheumatology (R. Husic)

19:45 - 20:00 **Satelite Symposium**: to be named

20:00 **Dinner**

Monday, 5th October 2020

Structural joint lesions in rheumatology

Chairperson: W. Hartung

8:30-9:15 Morphology and quantification of bone

erosions, osteophytes and cartilage

damage (P.Mandl)

9:15-9:45 **Live demonstration**: Structural

lesions in patients with rheumatic

diseases (P.Mandl)

9:45-11:00 Workshop 1: Supervised practical

session: Structural lesions in patients with rheumatic diseases (all faculty)

11:00-11:30 *Coffee break*

Tendon and bursal pathologies: Inflammatory and structural lesions

Chairperson: R. Husic

11:30-12:30 Tendon and bursal pathologies at

shoulder: tendinosis, paratenonitis,

tendon subluxation/luxation.

intrasubstance tendon lesions, tendon

impingement, tendon tears (W.

Hartung)

12:30-13:15 **Live demonstration**: Standard scans

and tendon/bursal pathologies at shoulder in rheumatic diseases (W.

Hartung)

13:15-14:15 **Lunch**

14:15-15:45 **Workshop 2:** Supervised practical session: Shoulder patholgies in

patients with rheumatic diseases (all

faculty)

Sonography-guided periarticular and articular injections

Chairperson: C. Duftner

15:45-16:15 Performance and value of sonography

guided periarticular and articular

injections (W. Hartung)

16:15-16:30 **Live demonstration:** Sonography

guided injections using a phantom (W.

Hartung)

16:30-17:00 *Coffee break*

17:00-19:00 **Workshop 3:** Supervised practical

session using phantoms: Ultrasound

guided injections (all faculty)

19:00-19:45 **Satelite Symposium:** to be named

20:00 Dinner

Tuesday, 6th October 2020

Tenosynovitis, Enthesitis, Tendonitis,

Chairperson: W. Hartung

8:30-9:00 Detection and quantification of

tenosynovitis and tendon tears

(C.Duftner)

9:00-9:30 Enthesitis: B-mode and Doppler

findings (C.Dejaco)

9:30-10:00 **Live demonstration:** Tenosynovitis,

Enthesitis (C.Duftner, C.Dejaco)

10:00-11:00 *Workshop 4:* Supervised practical

session: Tenosynovitis and Enthesitis

(all faculty)

11:00-11:30 *Coffee break*

Microcrystal deposits and calcifications of ligaments,

muscles, cartilage and synovia

Chairpersons: P. Mandl

11:30- 12:00 Gout: characteristic ultrasound

findings (W. Schmidt)

12:00- 12:30 CPPD-disease and soft tissue

calcifications: ultrasound findings (W.

Schmidt)

12:30- 13:00 **Live demonstration**: Ultrasound

findings in gout and CPPD disease

(W. Schmidt)

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

14:00- 15:00 Workshop 5: Supervised practical

session: Crystal arthropathies (all

faculty)

Review of intermediate course learning objectives

Chairpersons: C. Dejaco

15:00- 16:00 What have we learnt in this course –

key messages from all presentations

(W. Schmidt)

16:00- 16.45 Image Quizz (W. Hartung)

16:45- 17:15 *Coffee break*

17:15- 18:45 *Workshop 6:* Supervised practical

session: Standard scans and

intermediate course pathologies (all

faculty)

18:45-19:00 Summary, closing remarks and

evaluation (C. Dejaco)

Sponsors





















