



**Intermediate Ultrasound Course
in Antalya (Belek), Turkey
October 4-6
Programme**

Venue: Spice Hotel, Belek

Course fee including course registration, hotel for 3 nights & meals: 950 €

Number of participants: 42

Language: English

Reserve your participation by email: usgantalya@gmail.com

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 and periarticular injections.

This course has been scientifically endorsed by **eular**

EUROPEAN ALLIANCE
OF ASSOCIATIONS
FOR RHEUMATOLOGY

Scientific Organizers

Prof. Wolfgang A. Schmidt
Immanuel Krankenhaus Berlin
Medical Centre for Rheumatology Berlin-Buch
Lindenberger Weg 19, 13125 Berlin, Germany

Prof. Ender Terzioglu
Akdeniz University Medical School Department of Internal Medicine
Division of Rheumatology and Clinical Immunology-Allergy,
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Organizing Secretariat

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Faculty (All speakers are EULAR teachers):

Dr. George Bruyn, The Netherlands
Prof. Muhammet Cinar, Turkey
Prof. Christian Dejaco, Italy
PD Dr. Christina Duftner, Austria
Dr. Petra Hanova, Czech Republic
Prof. Nevsun Inanc, Turkey
Prof. Ingrid Möller, Spain
Dr. Esperanza Naredo, Spain
PD Dr. Sarah Ohrndorf, Germany
Prof. Dr. Salih Pay, Turkey
Prof. Wolfgang Schmidt, Germany
Prof. Ender Terzioglu, Turkey

Additional Tutors:

Dr. Sibel Bakirci, Turkey
Dr. Hakam Erdem, Turkey

Requirements for participation:

- Participants should have attended a EULAR basic MSUS course or a EULAR scientifically-endorsed basic MSUS course.
- Prior to acceptance to the course, applicants should send to the a total of 6 normal examinations of each joint region in one Power Point file (i.e. shoulder, elbow, wrist & hand, hip, knee, ankle & foot), according to the EULAR Guidelines for Musculoskeletal Ultrasound in Rheumatology (Ref. Backhaus M, et al. Ann Rheum Dis 2001) to the course organizers via email: usgantalya@gmail.com .
- Images should be presented in a power point file. Important: Each slide should include: - One imaged structure each in longitudinal and transverse plane - A legend with the anatomic area, imaged structure and scanning planes - Parameters of the ultrasound machine - Identity of the person scanned should be removed.
- The faculty members need to provide assessment and feedback. Applicants might need to be asked to repeat the ultrasound examinations and submit the images again for assessment by the faculty.
- Upon approval of the assessment, the applicant needs to be asked to register for the course.
- Participants should bring a total of 60 normal ultrasound examinations (each in a power point presentation) on a USB stick to the course. The faculty reserves the right to randomly request and audit the full set of ultrasound examinations from each participant.
- It is highly recommended to participate in the EULAR Online Introductory Ultrasound Course (<http://www.eular-us-onlinecourse.org/>) before attending this EULAR-endorsed Intermediate Ultrasound Course. The online course is required for those aiming at achieving Level I EULAR competency in Musculoskeletal Ultrasound.

Schedule

Wednesday, 4th October 2023

| | Topic | Speaker | |
|-------------|--|-------------------|-----------------|
| 14.00 | Registration | | |
| 15.00 | Opening | Ender Terzioglu | |
| 15.15 | Indications for B-mode ultrasound in Rheumatology | Sarah Ohrndorf | |
| 15.40 | Indications for Doppler ultrasound in Rheumatology | Salih Pay | |
| 16.00 | Physics and settings of Doppler ultrasound | Esperanza Naredo | |
| 16.30 | Machine settings - focus on Doppler settings | Hands-on scanning | No rotation |
| 17.15 | Coffee break | | |
| 17.30 | Brush-up sono-anatomy and structures | Hands-on scanning | Rotate at 18.15 |
| 19.00 | Pathology of the hand | Nevsun Inanc | |
| 19.30-19.45 | Pathology of the elbow | Petra Hanova | |
| 20.00 | Dinner | | |

Thursday, 5th October 2023

| | | | |
|-------------|---|-------------------|-----------------|
| 9.00 | Pathology of the hand | Hands-on scanning | Rotate at 9.45 |
| 10.30 | Coffee break | | |
| 10.45 | Pathology of the elbow | Hands-on scanning | No rotation |
| 11.30 | Introduction to synovitis and tenosynovitis | Petra Hanova | |
| 11.45 | Introduction to enthesitis | Christian Dejaco | |
| 12.00 | Review: How to examine the shoulder | George Bruyn | |
| 12.30 | Pathology of the shoulder | Christian Dejaco | |
| 13.00 | Lunch break | | |
| 15.00 | Pathology of the shoulder | Hands-on scanning | Rotate at 15.45 |
| 16.30 | Introduction to osteoarthritis / bone pathology | Petra Hanova | |
| 17.00 | Coffee break | | |
| 17.15 | Pathology of the knee | Ender Terzioglu | |
| 17.45 | Pathology of the hip | Muhammet Cinar | |
| 18.00-19.00 | Pathology hip and knee | Hands-on scanning | Rotate at 18.30 |
| 19.30 | Dinner | | |

Friday, 6th October 2023

| | Topic | Speaker | |
|-------|---|-------------------|-----------------|
| 9.00 | Pathology of foot and toes | Ingrid Möller | |
| 9.30 | Pathology of foot and toes | Hands-on scanning | Rotate at 10.15 |
| 11.00 | Coffee break | | |
| 11.15 | Quantification: Scoring with ultrasound | Christina Duftner | |
| 11.35 | How to implement ultrasound in daily practice | Sarah Ohrndorf | |
| 12.00 | Introduction to crystal arthropathy | Christina Duftner | |
| 12.30 | Introduction to vascular ultrasound in rheumatology | Wolfgang Schmidt | |
| 13.00 | Lunch break | | |
| 15.00 | Variable pathology | Hands-on scanning | Rotate at 15.45 |
| 16.30 | Coffee break | | |
| 16.45 | Ultrasound guided procedures | Esperanza Naredo | |
| 17.30 | Ultrasound guided procedures | Hands-on scanning | No rotation |
| 18.00 | Evaluation / Sono-quiz | Salih Pay | |
| 18.30 | Summary and Conclusions | Ender Terzioglu | |
| 19.00 | End of the course | | |

Timing

| | Total time | Hands-on scanning (9) |
|-----------|------------|-----------------------|
| Wednesday | 4:45 | 2:15 |
| Thursday | 8:00 | 4:45 |
| Friday | 8:00 | 3:30 |
| Total | 20:45 | 10:30 |