

OBJECTIVES

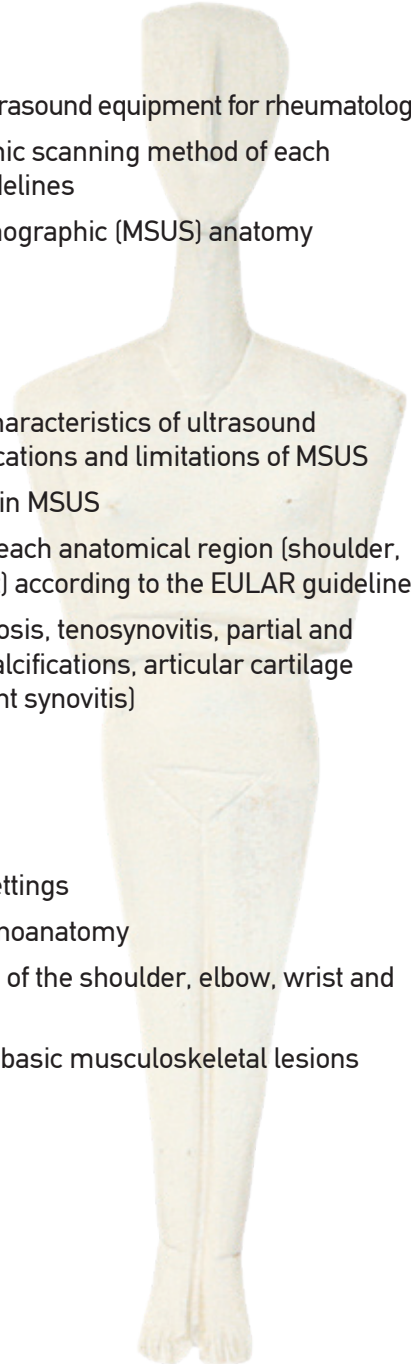
- To learn technical characteristics and setting of ultrasound equipment for rheumatology
- To learn the systematic standardized sonographic scanning method of each anatomical region, according to the EULAR guidelines
- To learn basic normal musculoskeletal ultrasonographic (MSUS) anatomy
- To learn basic pathological MSUS findings

MAIN TOPICS

- Ultrasound physics and technology, technical characteristics of ultrasound equipments in rheumatology, applications, indications and limitations of MSUS
- MSUS anatomy, artifacts and misinterpretation in MSUS
- Standardized sonographic scanning method of each anatomical region (shoulder, elbow, wrist and hand, hip, knee, ankle and foot) according to the EULAR guidelines
- Basic pathological sonographic findings (tendinosis, tenosynovitis, partial and complete tendon tear, enthesopathy, bursitis, calcifications, articular cartilage lesions, cortical abnormalities, erosions and joint synovitis)
- Reporting MSUS findings and diagnosis

WORKSHOPS

- Practical handling of the ultrasound machine settings
- 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 musculoskeletal lesions



SCIENTIFIC PROGRAM

Thursday, December 9th, 2021

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- 12.00 - 14.00 **Registration**
- 12.00 - 13.30 **Lunch**
- 13.30 - 13.45 **Welcome**
A. Iagnocco, G. Giokits-Kakavouli, D. Boumpas, D. Vasilopoulos
- 13.45 - 14.00 **J. Raftakis** - Entering test of knowledge
- Chairpersons: A. Iagnocco, J. Raftakis**
- 14.15 - 14.45 **J. Raftakis** - Technical characteristics and setting of ultrasound equipments for Musculoskeletal diseases
- 14.45 - 15.00 **Mini Break (hall changing)**
- 15.00 - 16.30 **Workshop:** Supervised practical handling of the ultrasound machine settings
- 16.45 - 17.00 **Coffee Break**
- Chairpersons: F. Porta, A. Bachta**
- 17.00 - 17.25 **A. Bachta** - History and basic physics of MSUS
- 17.25 - 18.00 **P. Mandl** - Normal tissue and joint anatomy; Sonographic pattern of the musculoskeletal tissues
- 18.00 - 18.30 **F. Porta** - Artifacts and misinterpretation in MSUS
- 18.30 - 19.30 **Workshop:** Supervised practical handling of the normal MSUS anatomy
- Chairpersons: G. Kampakis, A. Iagnocco**
- 19.30 - 20.00 **G. Kampakis** - Image documentation; reporting US findings and diagnosis
- 20.00 - 21.00 **Workshop:** Hands-on session: normal MSUS anatomy and basic pathological findings
- 21.00 **Dinner**

SCIENTIFIC PROGRAM

Friday, December 10th, 2021

09.00 - 09.30	Chairpersons: A. Iagnocco, G. Giokits-Kakavouli N. Damjanov - Sonographic semiology; US and correlative anatomy and histology: articular cartilage lesions, cortical abnormalities; Basic pathology of tendons and ligaments (tendinosis, calcifications, tears)
09.30 - 10.00	A. Iagnocco - Basic synovial US lesions: synovitis, synovial hypertrophy, tenosynovitis and bursitis; Definition, detection and quantification
10.00 - 10.30	P. Balint - Enthesitis and enthesopathy
10.30 - 11.00	Coffee Break
11.00 - 12.45	Workshop: US semiology: normal and basic pathological findings Chairpersons: N. Damjanov, C. Siagkri
12.45 - 13.15	C. Siagkri - Standardized scanning of shoulder normal and basic pathological findings
13.15 - 13.45	A. Raptopoulou - Standardized scanning of the elbow: normal and basic pathological findings
13.45 - 14.30	Lunch
14.30 - 17.00	Workshop: Supervised scanning technique of shoulder; supervised scanning technique of elbow; Normal and basic pathological findings Chairpersons: P. Balint, D. Karokis
17.00 - 17.30	D. Karokis - Standardized scanning of the wrist and hand: normal and basic pathological findings
17.30 - 18.00	G. Kampakis - Standardized scanning of the hip: normal and basic pathologic findings
20.00	Dinner



SCIENTIFIC PROGRAM

Saturday, December 11th, 2021

- 09.00 - 10.45 **Workshop:** Supervised hands-on scanning of patients with inflammatory and degenerative hand, wrist and hip
- 10.45 - 11.00 **Coffee Break**
- 11.00 - 11.30 Chairpersons: **A. Iagnocco, S. Prodanovic**
J. Raftakis - Standardized scanning of the knee: normal and basic pathological findings
- 11.30 - 12.00 **S. Prodanovic** - Standardized scanning of the ankle and foot: normal and basic pathological findings
- 12.00 - 12.30 **A. Iagnocco** - US Application in management of Musculoskeletal Disorders
- 12.30 - 13.15 **Lunch**
- 12.15 - 14.45 **Workshop:** Supervised hands-on scanning of patients with inflammatory and degenerative knee, ankle and foot
- Chairpersons: **G. Giokits-Kakavouli, N. Damjanov**
N. Damjanov - Basic skills in sonographic guided arthrocentesis
- 15.15 - 15.45 **Workshop:** Basic skills in sonographic-guided arthrocentesis
- 15.45 - 16.00 Exit test of knowledge
- 16.00 - 16.30 Closing remarks and certificate issue

