



GENERAL INFORMATION

ORGANIZATION AND COMMITTEE

Scientific Director

Prof. Annamaria Iagnocco

Dipartimento Scienze Cliniche e Biologiche, Università degli Studi di Torino, Turin, Italy e-mail: annamaria.iagnocco1@gmail.com

Local Organizer

M.I.T.O.S. (Musculoskeletal Imaging Techniques: Ongoing Sonography - a Task Force for Greek Rheumatologists)

Organizing Committe

Giasna Giokits Dimitrios Karokis Ioannis Raftakis Caterina Siagkri

Scientific Committee

Giasna Giokits Dimitrios Karokis Ioannis Raftakis Caterina Siagkri

Faculty

The speakers will come from major European musculoskeletal ultrasound research centers and are rheumatologists mostly involved in previous EULAR courses. The contacted faculties are:

Faculties

Annamaria lagnocco, Italy
Ahmed Abogamal, Egypt
Amalia Raptopoulou, Greece
Andrea DelleSedie, Italy
Andreas Diamantopoulos, Norway
Athanasios Fortis, Greece
Carlo Perricone, Italy
Caterina Siagkri, Greece
Dimitris Karokis, Greece
Emilio Filippucci, Italy
Giasna Giokits, Greece
Ioannis Raftakis, Belgium
Nemanja Damjanov, Serbia
Peter Balint, Hungary
Slavica Prodanović, Serbia

Instructors

Ahmed Abogamal, Egypt Amalia Raptopoulou, Greece Andrea DelleSedie, Italy Andreas Diamantopoulos, Norway Athanasios Fortis, Greece Carlo Perricone, Italy Caterina Siagkri, Greece Christos Georgakopoulos, Greece Dimitris Karokis, Greece Dimos Merinopoulos, Greece Emilio Filippucci, Italy Giasna Giokits, Greece Ioannis Raftakis, Belgium Nemanja Damjanov, Serbia Pavlos Stamatis, Greece Peter Balint, Hungary Slavica Prodanović, Serbia Theodoros Dimitroulas, Greece Theodoros Natskos, Greece

GENERAL INFORMATION

Course's opening Course's closing Participants Official Lnguage Congress Thursday, December 12th, 2024- h 12.30 Saturday, December 14th, 2024- h 16.45

The number of participants in each of the levels is limited

gress English

Wyndham Grand Hotel, Athens, Greece

Organizer
M.I.T.O.S. GROUP

Venue

mitos.greek.rheum.us@gmail.com

Caterina Siagkri,

Address: 51 Mitropoleos, Thessaloniki – 54623, Greece

e-mail: caterinasiagkri@hotmail.com

phone: +30 6945 776417, +30 2310 250720

Giasna Giokits,

Address: 10 Solomou Street, Katerini - 60100, Greece

e-mail: giasnagiokic@gmail.com

phone: +30 6944 443326, +30 2351 079839

Co Organizer Rheumatology Association of Serbia

Address: Resavska street, No 69, 11000

Belgrade, Serbia

e-mail: nemanjadamjanov@yahoo.com

Contact and Technical Organizer



Conco Meetings and Events 35 Sorou Str., Maroussi, GR 15125, Athens, Greece

T + 30 210 6109991 M + 30 6937 052259

Email: info@concopco.com **Website:** www.concopco.com



SPEAKERS — INSTRUCTORS

Annamaria lagnocco

Professor of Rheumatology, Dipartimento Scienze Cliniche e Biologiche, Università degli Studi di Torino, Turin, Italy

Ahmed Abogamal

Professor of Rheumatology, Al-Azhar University, Consultant Rheumatologist, DUBAI-UAE, Scientific Chairman of EOS, EULAR Certified MSUS trainer, Scientific Director of the ARLAR MSUS group, Cairo, Egypt

Amalia Raptopoulou

MD, PhD, Rheumatologist, Veroia, Greece

Andrea Delle

SedieMD, Rheumatologist, Azienda Ospedaliero Universitaria Pisana, Pisa, Italy

Andreas P. Diamantopoulos

MD, PhD, MPH, Consultant Rheumatologist, Division of Internal Medicine, Department of Infectious Diseases, Akershus University Hospital, Oslo, Norway

Athanasios Fortis

MD, PhD, FEBOT, Clinical Director Orthopaedic Department, Panarkadian Hospital, Tripolis, Greece

Carlo Perricone

Associate Professor in Rheumatology, Rheumatology Department of Medicine and Surgery, University of Perugia, Italy

Caterina Siagkri

Rheumatologist, Scientific Associate of Hippocration Hospital of Thessaloniki, Private Practice, Thessaloniki, Greece

Christos Georgakopoulos

MD, MSc, Medical Resident in Rheumatology, KAT General Hospital, Attica, Greece

Dimitris Karokis

MSc, Rheumatologist, General Secretary of the M.I.T.O.S. Group (Musculoskeletal Imaging Techniques: Ongoing Sonoraphy), Patras, Greece

Dimos Merinopoulos

BS, MSc, MD, MRCP, Rheumatologist, Athens, Greece

Emilio Filippucci

Professor, MD, PhD, Clinica Reumatologica, Università Politecnica delle Marche, Jesi (Ancona), Italy

Giasna Giokits

MD, Consultant Rheumatologist, Scientifc Associate of Hippocration Hospital of Thessaloniki, 4th Department of Pathology, Private Practice Katerini, Greece

Ioannis Raftakis

Rheumatologist, Deputy Head of Clinic, Department of Rheumatology, CHUB rugmann, Brussels, Belgium

Nemanja Damjanov

MD, PhD, Full Professor of Internal Medicine, Rheumatology, Belgrade UniversitySchool of Medicine, Director of Institute of Rheumatology, Belgrade, Serbia

Pavlos Stamatis

MD, MSc, PhD, Consultant Rheumatologist Sunderby Hospital Sweden, Affiliated researcher Lund University, Sweden

Peter V. Balint

FRCP (Glasgow), President of the Hungarian Association of Rheumatologists, Musculoskeletal Radiology Group Medical Imaging Clinic, Semmelweis University, Head of Department, Consultant Rheumatologist, 3rd Rheumatology Department, National Institute of Musculoskeletal Diseases, Budapest, Hungary

Slavica Prodanović

MD, PhD, Specialist of Internal Medicine-Rheumatologist, Chief of the Ultrasound Department, Institute of Rheumatology Klin, Ass. At School of Medicine University of Belgrade, Belgrade, Serbia

Theodoros Dimitroulas

Associate Professor of Rheumatology, School of Medicine, Aristotle University of Thessaloniki, Greece

Theodoros Natskos

Rheumatologist, Veroia, Greece

SCIENTIFIC PROGRAM INFORMATION

CONGRESS SECRETARIAT OPENING HOURS

Thursday, 1 December 2024	12:00 - 21:00
Friday, 2 December 2024	08:00 - 19:00
Saturday, 3 December 2024	08:30 - 17:00

CERTIFICATE OF ATTENDANCE

Participants can receive their certificate of attendance during the closing session on the 3rd of December 2024.

To receive the certificate of attendance, it is mandatory to complete and submit the evaluation form, at the Course Secretariat, before the closing session and to show the congress badge.

CONGRESS HALLS

Theory	Hera Meeting room	1 st floor
Workshop	Athina Meeting room	1 st floor
Exhibition	Foyer	1 st floor





BASIC LEVEL

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 equipment 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 MS US 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.

BASIC LEVEL

12 00 12 20 Pagistration

Thursday, December 12th, 2024

12.00 - 13.30	Registration
13.30 - 13.45	Welcome
	A. lagnocco, G. Giokits, D. Karokis
13.45 - 14.00	J. Raftakis Entering test of knowledge - Basic Level
	Chairpersons: A. lagnocco, 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
16.30 - 17.00	Break
17.00 - 17.25	Chairpersons: C. Perricone, E. Filippucci C. Perricone History and basic physics of MSUS
17.25 - 18.00	E. Filippucci Normal tissue and joint anatomy; Sonographic pattern of the musculoskeletal tissues
18.00 - 18.30	C. Perricone Artifacts and misinterpretation in MSUS
18.30 - 19.30	Workshop: Supervised practical handling of the normal MSUS anatomy
19.30 - 20.00	Workshop: Hands-on session; normal MSUS anatomy and basic pathological findings
20.00 - 20.30	Chairperson: A. lagnocco A. lagnocco US Application in management of Musculoskeletal Disorders





BASIC LEVEL

Friday, December 13th, 2024

09.00 - 09.30	Chairpersons: A. lagnocco, G.Giokits 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. lagnocco Basic synovial US lesions: synovitis, synovial hypertroph tenosynovitis and bursitis; Definition, detection, and quantification
10.00 - 10.30	P. Balint Enthesitis and enthesopathy
10.30 - 11.00	Break
11.00 - 12.45	Workshop: US semiology: normal and basic pathological findings
12.45 - 13.15	Chairpersons: N. Damjanov, C. Siagkri 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	Break
14.30 - 17.00	Workshop: Supervised scanning technique of shoulder; supervised scanning technique of elbow; Normal and basic pathological findings
17.00 - 17.30	Chairpersons: D. Karokis, A. Fortis D. Karokis Standardized scanning of the wrist and hand: normal and basic pathological findings
17.30 - 18.00	A. Fortis Standardized scanning of the hip: normal and basic pathologic findings

BASIC LEVEL

Saturday, December 14th, 2024

09.00 - 10.45	Workshop: Supervised hands-on scanning of patients with inflammatory and degenerative hand, wrist and hip
10.45 - 11.00	Break
11.00 - 11.30	Chairpersons: A. lagnocco, J. Raftakis J. Raftakis Standardized scanning of the knee: normal and basic pathological
11.30 - 12.00	S. Prodanović Standardized scanning of the ankle and foot: normal and basic pathological findings
12.00 - 12.30	C. Perricone Image documentation; reporting US findings and diagnosis
12.30 - 13.15	Break
12.30 - 13.15 13.15 - 14.30	Workshop: Supervised hands-on scanning of patients with inflammatory and degenerative knee, ankle and foot
	Workshop: Supervised hands-on scanning of patients with
13.15 - 14.30	Workshop: Supervised hands-on scanning of patients with inflammatory and degenerative knee, ankle and foot Chairpersons: G. Giokits, N. Damjanov
13.15 - 14.30 14.30 - 15.00	Workshop: Supervised hands-on scanning of patients with inflammatory and degenerative knee, ankle and foot Chairpersons: G. Giokits, N. Damjanov N. Damjanov Basic skills in sonographi-guided arthrocentesis





INTERMEDIATE LEVEL

OBJECTIVES:

- To review the systematic standardized sonographic scanning method of each anatomical region, according to the EULAR guidelines.
- To learn Colour and Power Doppler physics, application, indications and limitations.
- To learn definition, ultrasound presentation and quantification of synovitis, synovial hypertrophy, effusion, erosion, tendinopathy, tenosynovitis, enthesopathy and deg enerative lesions.
- To assess, quantify and/or score joint lesions.
- To learn basic skills to perform sonographic-guided musculoskeletal injections.
- To understand the role of musculoskeletal US in clinical and research practice.

MAIN TOPICS:

- Role of Colour and Power Doppler in rheumatology.
- Colour and Power Doppler physics and technology.
- Applications, indication and limitations of Colour and Power Doppler.
- Ultrasound presentation of synovitis, effusion, erosions, tendinopathies, tenosynovitis, enthesitis and degenerative lesions.
- Role of ultrasound in diagnosis and monitoring of metabolic arthritis.
- Role of ultrasound in monitoring patients with inflammatory joint diseases.
- Standards of safety of ultrasound-guided punctures and injections sonographic system.

WORKSHOPS:

- Practical handling of the ultrasound machine settings and use of Colour and Power Doppler technology.
- Supervised scanning of the patients with inflammatory and degenerative joint disease focused on detection of synovitis, effusion, erosions, tendinopathies, tenosynovitis, enthesitis and degenerative lesions.
- Supervised basic sonographic-guided musculoskeletal injections.



INTERMEDIATE LEVEL

Thursday, December 12th, 2024

12.00 - 13.30	Registration
13.30 - 13.45	Welcome A. lagnocco, G. Giokits, D. Karokis
14.00 - 14.15	J. Raftakis Entering test of knowledge - Intermediate Level
	Chairpersons: A. lagnocco, J. Raftakis
14.15 - 14.45	J. Raftakis Technical characteristics and setting of ultrasound equipment for Musculoskeletal diseases
14.45 - 15.00	Mini break - Hall changing
15.00 - 15.20	Chairpersons: A. lagnocco, A. Delle Sedie A. Diamantopoulos Doppler physics, technology and artefacts. Doppler setting optimization
15.20 - 15.40	A. Diamantopoulos Application, indications and limitations of Doppler in musculoskeletal US
15.40 - 16.00	A. Delle Sedie Colour Doppler and power Doppler. Correlations between US imaging and histopathological findings
16.00 - 16.30	Break
16.30 - 18.30	Workshop: Supervised practical scanning of the different Doppler modalities. How to use and set the ultrasound equipment. The choice of the appropriate probe. Optimization of Doppler settings. PDUS artefacts
18.30 - 19.00	Chairpersons: A. lagnocco, E. Filippucci A. lagnocco B-mode and Doppler synovitis. Definition, detection, quantification and pitfalls
19.00 - 19.30	E. Filippucci B-mode and Doppler tenosynovitis. Definition, detection, quantification and pitfalls



INTERMEDIATE LEVEL

Friday, December 13th, 2024

08.00 - 09.30	Workshop: US semiology- pathological findings
09.30 - 11.00	Workshop: Supervised hands-on scanning of patients with inflammatory and degenerative joint disorders; How to detect and quantify synovitis (including Power Doppler), cartilage and bony lesions
11.00 - 11.25	Chairpersons: P. Balint, G. Giokits N. Damjanov B-mode tendinosis and tendon tear. Definition, detection, quantification and pitfalls
11.25 - 11.50	A. Abogamal US bone abnormalities. Definition, detection, quantification and pitfalls
11.50 - 12.15	A. Abogamal US cartilage abnormalities. Definition, detection, quantification and pitfalls
12.15 - 12.45	P. Balint B-mode and Doppler enthesopathy and enthesitis. Definition, detection, quantification and pitfalls
12.45 - 14.00	Workshop: Supervised hands-on scanning of patients with synovitis and tenosynovitis, enthesopathy / enthesitis, tendinosis and tendon tear, bone and cartilage abnormalities
14.00 - 15.00	Break
15.00 - 15.30	Chairpersons: G. Giokits, C. Siagkri A. Diamantopoulos US diagnosis of hip pathology
15.30 - 16.00	G. Giokits US diagnosis of knee pathology
16:00 - 16.30	C. Siagkri US diagnosis of ankle and foot pathology
16.30 - 17.00	Break
17.00 - 19.00	Workshop: Supervised hands-on scanning of patients with lower extremity pathology

INTERMEDIATE LEVEL

Saturday, December 14th, 2024

09.00 - 09.30	Chairpersons: J. Raftakis, D. Karokis G. Giokits US diagnosis of shoulder pathology
09.30 - 10.00	J. Raftakis US diagnosis of elbow pathology
10.00 - 10.30	D. Karokis US diagnosis of wrist and hand pathology
10.30 - 10.45	Break
10.45 - 12.45	Workshop: Supervised hands-on scanning of patients with upper extremity pathology
12.45 - 13.30	Break
13.30 - 13.50	Chairpersons: E. Filippucci, A. lagnocco A. lagnocco US: a tool for diagnosis and outcome measure in RA
13.50 - 14.20	E. Filippucci Role of US in the diagnosis of crystal arthropathy and eriarticular tissue (gout, CPPD)
14.30 - 15.00	Chairpersons: G. Giokits, N. Damjanov N. Damjanov Basic skills in sonographic-guided arthrocentesis
15.00 - 15.45	Workshop: Basic skills in sonographic-guided arthrocentesis
15.45 - 16:00	Exit tests of knowledge
16:00 - 16.30	Closing remarks and certificate issues



