



General information and Course programme of the



3rd MUSCULOSKELETAL SONOGRAPHY COURSE
FOR RHEUMATOLOGISTS - BASIC LEVEL -
Zagreb, October 30th - November 1st, 2014.



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

Scientific Director

Prof. Annamaria Iagnocco

Executive director of the Course

Porin Perić, MD, PHD, Assistant Professor

Faculty

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

Peter Balint Hungary, **Nemanja Damjanov** Serbia, **Annamaria Iagnocco** Italy, **Nadica Laktašić-Žerjavić** Croatia, **Mihaela Micu** Romania, **Esperanza Naredo** Spain, **Francesco Porta** Italy, **Porin Perić** Croatia, **Goran Radunović** Serbia, **Violeta Vlad** Romania

Instructors

Mislav Cerovec Croatia, **Nemanja Damjanov** Serbia, **Darija Granec** Croatia, **Tatjana Kehler** Croatia, **Nadica Laktašić-Žerjavić** Croatia, **Miroslav Mayer** Croatia, **Mihaela Micu** Romania, **Tomislav Nemčić** Croatia, **Francesco Porta** Italy, **Porin Perić** Croatia, **Goran Radunović** Serbia, **Violeta Vlad** Romania

Course opening

Thursday, October 30th,
2014 - 12:00 h

Course closing

Saturday, November 1st,
2014 - 15:00 h

Participants

The number of participants
is limited to 30

Official language

English

Congress Venue

Hotel Dubrovnik, Gajeva 1, 10000 Zagreb, Croatia
www.hotel-dubrovnik.hr

Reservations

Phone: +385 1 48 111 55, Fax: +385 1 48 189 14
Email: zagreb@atlantis-travel.hr, www.atlantis-travel.eu

Scientific Organizer: Prof. Annamaria Iagnocco

Executive director of the Course: Porin Perić, MD, PHD,
Assistant Professor - Department of Rheumatology,
Clinical Hospital Center Zagreb, Kišpatićeva 12, 10000
Zagreb, Croatia, email: porin.peric@gmail.com

Organizing Secretariat Croatian Society for Rheumatology

Šubićeva 9, 10000 Zagreb, Croatia
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www.reumatologija.org

**Institutional
Organizer:**

Clinical Hospital
Center Zagreb,
Department of
Rheumatology,
University of Zagreb,
Croatia.

**Scientific
Indorsement:**

European League
Against Rheumatism
(EULAR)
Croatian Medical
Association
Croatian Society for
Rheumatology

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Musculoskeletal sonography course for rheumatologists, Zagreb 2014 is

intended to be a combination of lectures and practical sessions. The course consists of theoretical talks and supervised hands-on scanning of healthy persons and/or patients with musculoskeletal disorders.

Sponsorship: ESAOTE, Olympus, Philips, MSD, GE, AbbVie, Roche, Pfizer.
ESAOTE, Olympus, Philips and GE will provide ultrasound equipment free of charge.

Sponsors will not have any influence on the course programme, scientific and other content, or speakers in any way.

The Course is in a proces of CME accreditation at the Croatian Ministry of Health.

Registration is intended to be opened for all EULAR member countries.

Formal evaluation of the course will be performed by all attendees at the end of the Course.

Registration fee: **1000 EUR** per person (three days course). Food and accomodation are included in the price.

The number of participants will be 30 people.

OBJECTIVES

- To learn technical characteristics and setting of ultrasound equipments for rheumatology
- To learn basic normal musculoskeletal ultrasonographic anatomy (MSUS).
- To learn basic pathological MSUS findings
- To learn the systematic standardized sonographic scanning method of each anatomical region, according to the EULAR guidelines
- Applications, indications and limitations of MSUS in rheumatology
- Image documentation
- Basics of Colour and Power Doppler application to detect synovial and enthesal inflammation

MAIN TOPICS

- Ultrasound physics and technology, technical characteristics of ultrasound equipments in rheumatology, applications, indications and limitations of MSUS
- MSUS anatomy, artefacts 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, entesopathy, bursitis, calcifications, articular cartilage lesions, cortical abnormalities and joint synovitis).
- Reporting US findings and diagnosis

WORKSHOP

- Practical handling of the ultrasound system 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
- Supervised assesment of the basic somographic symptoms or inflammation severity in grades

TIMETABLE

- Musculoskeletal Sonography Course for Rheumatologists, Basic Level, consists of 20 hours of activities within 3 days (lectures: 30% of total

time; practical training on models and/or patients with musculoskeletal disorders : 70%)

SCIENTIFIC PROGRAMME

Thursday, October 30th, 2014.

TIME	PROGRAMME
12:00-14:00	Registration
12:00-13:30	Lunch
14:00-14:15	Welcome Đ. Babić-Naglić, P. Perić, A. Iagnocco
14:15-14:30	Entering test of knowledge

TIME	PROGRAMME
Chairpersons:	P. Balint, P. Perić
14:30-15:00	History and basic physics of MSUS. V. Vlad
15:00-15:20	Coffee break
15:20-16:00	Normal tissue and joint anatomy. US and correlative gross anatomy and histology. P. Balint
16:00-16:25	Artifacts and misinterpretation in MSUS. P. Balint
16:25-16:50	Technical characteristics and setting of ultrasound equipments for rheumatology. A. Iagnocco

TIME	PROGRAMME
16:50-17:10	Coffee break
17:10-18:40	Workshop: Supervised practical handling of the ultrasound machine settings. Normal MSUS anatomy.
Chairpersons:	F. Porta, P. Perić
18:40-19:10	Reporting ultrasound findings and diagnosis. F. Porta
19:10-20:30	Workshop: Supervised reporting of ultrasound findings and diagnosis.
20:30	Dinner

TIME	PROGRAMME
Friday, October 31st, 2014.	
Chairpersons: T. Kehler, N. Damjanov	
09:00-09:40	Sonographic semiology (tendinosis, tenosynovitis, partial and complete tendon tear, entesopathy, bursitis, calcifications, articular cartilage lesions, cortical abnormalities and joint synovitis). N. Damjanov
09:40-10:20	Enthesitis and enthesopathy. P. Balint
10:20-10:40	Coffee break
10:40-11:10	Standardized scanning of the hip: normal and basic pathologic findings. M. Micu

TIME	PROGRAMME
11:10-12:30	Workshop: Supervised scanning technique of hip. Normal and basic pathological findings
12:30-13:00	Standardized scanning of the knee: normal and basic pathological findings F. Porta
13:00-14:20	Workshop: Supervised scanning technique of knee. Normal and basic pathological findings
14:20-15:30	Lunch
Chairpersons: E. Naredo, P. Perić	

TIME	PROGRAMME
15:30-15:50	Standardized scanning of the shoulder: normal and basic pathological findings. E. Naredo
15:50-18:00	Workshop: Supervised scanning technique of shoulder. Normal and basic pathological findings
20:00	Dinner

Saturday, November 1st, 2014.

Chairpersons: N. Laktašić-Žerjavić, P. Perić

09:00-09:20	Standardized scanning of the wrist and hand: normal and basic pathological findings. P. Perić
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TIME	PROGRAMME
09:20-10:20	Workshop: Supervised scanning technique of wrist and hand. Normal and basic pathological findings
10:20-10:40	Standardized scanning of the elbow: normal and basic pathological findings. N. Laktašić-Žerjavić
10:40-12:00	Workshop: Supervised scanning technique of elbow. Normal and basic pathological findings
12:00-12:20	Coffee break
12:20-12:40	Standardized scanning of the ankle and foot: normal and basic pathological findings. G. Radunović

TIME	PROGRAMME
12:40-13:30	Workshop: Supervised scanning technique of ankle and foot. Normal and basic pathological findings
13:30-14:00	Test of knowledge
14:00-15:00	Lunch and certificate issuing



Registration fees:

This 3-day course fee will be **1000 EUR** per participant (lodging and food is included in the course price). It is recommended to make reservation of accommodation directly to **Atlantis Travel** agency, email: zagreb@atlantis-travel.hr Phone: +385 1 4811155, Fax: +385 1 4818914 Registration deadline: **October 1st 2014.**

Registration fees include:

- Admission to all conference sessions
- Conference KIT
- Conference session materials
- Certificate of attendance and CME certificate
- Coffee breaks and lunches, as specified in the program

Registration instructions:

To register for the Course you must fill in the form and send it, together with the payment of the registration fee to the Organizational Secretariat. No registrations will be made without payment of the registration fee.

The Organizational Secretariat will inform the

participant that he or she has been registered for the Course.

Methods of payment:

The registration fee may be paid by bank transfer. Kuna and foreign currency account of Atlantis Travel.

BANK DETAILS:

Raiffeisen bank Austria dd
Address: Petrinjska 59, Zagreb
In favour of : Atlantis Travel d.o.o.
IBAN: HR 4324840081500155209
SWIFT CODE : RZBHR2X
Reference number : 11-56-2014

BANK DETAILS (for payment in Kunas)

Atlantis travel d.o.o.
Petrinjska 59, Zagreb,
Account: 2484008-1100439430
Reference number : 11-56-2014

Amount should be net of bank commission !

The copy of bank transfer must be sent together with the registration form to the Organizational Secretariat. No registration will be made without payment.

Cancellations:

The Secretariat must be informed in writing of any cancellations. Eighty percent of the sum paid will be refunded for cancellations made before **October 1st 2014**. No money will be refunded for cancellations made after that date.

For more information, please visit the web sites:



www.reumatologija.org

Atlantis
travel

www.atlantis-travel.eu

eular the european league against rheumatism

www.eular.org

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