



General information and Course programme of the



# 3<sup>rd</sup> MUSCULOSKELETAL SONOGRAPHY COURSE FOR RHEUMATOLOGISTS - BASIC LEVEL - Zagreb, May 29<sup>th</sup> - May 31<sup>st</sup>, 2014.



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

## ORGANIZATION AND COMMITTEE

### 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

## GENERAL INFORMATION

### Course opening

Thursday, May 29th, 2014  
- 12:00 h

### Course closing

Saturday, May 31st, 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](http://www.hotel-dubrovnik.hr)

### Reservations

Phone: +385 1 48 111 55, Fax: +385 1 48 189 14  
Email: [zagreb@atlantis-travel.hr](mailto:zagreb@atlantis-travel.hr), [www.atlantis-travel.eu](http://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](mailto:porin.peric@gmail.com)

### Organizing Secretariat Croatian Society for Rheumatology

Šubićeva 9, 10000 Zagreb, Croatia  
Phone: +385 1 2388 171, Fax: +385 1 2388 289  
email: [dnaglic@kbc-zagreb.hr](mailto:dnaglic@kbc-zagreb.hr), [porin.peric@gmail.com](mailto:porin.peric@gmail.com)  
[www.reumatologija.org](http://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, May 29th, 2014.

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

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

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

TIME	PROGRAMME
Friday, May 30th, 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). <b>N. Damjanov</b>
09:40-10:20	Enthesitis and enthesopathy. <b>P. Balint</b>
10:20-10:40	Coffee break
10:40-11:10	Standardized scanning of the hip: normal and basic pathologic findings. <b>M. Micu</b>

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

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

**Saturday, May 31<sup>st</sup>, 2014.**

**Chairpersons: N. Laktašić-Žerjavić, P. Perić**

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



TIME	PROGRAMME
12:40-13:30	<b>Workshop:</b> 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](mailto:zagreb@atlantis-travel.hr) Phone: +385 1 4811155, Fax: +385 1 4818914 Registration deadline: **May 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 : RZBHHR2X  
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 **May 1st 2014**. No money will be refunded for cancellations made after that date.

For more information, please visit the web sites:



[www.reumatologija.org](http://www.reumatologija.org)



[www.atlantis-travel.eu](http://www.atlantis-travel.eu)

eular the european league against rheumatism

[www.eular.org](http://www.eular.org)

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