

Beograd, 12.10.2010.

Poštovani,

Čast nam je i veliko zadovoljstvo da Vas obavestimo da će se od 18. do 20. novembra 2010. godine u hotelu "Continental" u Beogradu održati **Drugi kurs muskuloskeletnog ultrazvuka u reumatologiji - početni i srednji nivo.**

Organizatori kursa su Udruženje reumatologa Srbije i Institut za reumatologiju, Beograd, a pod naučnim pokroviteljstvom Evropskog udruženja za borbu protiv reumatskih bolesti (EULAR).

Zvanični jezici predavanja su engleski i srpski, a radionice će se odvijati na srpskom jeziku. U zavisnosti od potreba polaznika kursa, biće obezbeđeno i simultano prevođenje predavanja inostranih predavača.

Kurs je akreditovan od strane Zdravstvenog saveta Srbije.

Kotizacija odnosno cena kursa je 400 eur što je značajno niža od cene sličnih kurseva koji se održavaju u drugim evropskim državama. Kotizacijom su obuhvaćena predavanja i radionice, propratni štampani materijal, kafe pauze, tri ručka i 2 večere.

Program kursa je sastavljen prema preporukama EULAR-a, a predavači su eminentni stručnjaci iz oblasti ultrazvuka u reumatologiju: Marco Matucci Cerinic, Italy, Peter Balint, Hungary, Annamaria Iagnocco, Italy, Esperanza Naredo, Spain, Mihaela Micu, Romania, Francesco Porta, Italy, Violeta Vlad, Romania, Giasna Kakavouli, Greece, Nemanja Damjanov, Srbija, Vlado Skakić, Srbija, Goran Radunović, Srbija, Slavica Prodanović, Srbija, Sanja Milutinović, Srbija, Viktorija Savić, Srbija, Milica Basarić, Srbija.

Po specijalnoj ponudi za učesnike kursa predviđen je i smeštaj u hotelu Continental prema sledećem cenovniku:

18./20.11.2010. godine

standard jednokrevetna business soba	Eur	75
standard dvokrevetna business soba	Eur	81
de luxe jednokrevetna business soba	Eur	81
de luxe dvokrevetna business soba	Eur	87
standard apartman	Eur	108
de luxe apartman	Eur	126

U cenu je uračunat američki bife doručak, koji se služi u našem restoranu "Brasserie", PDV i servisna usluga.

Usluga korišćenja bazena, saune, teretane i interneta u sobama uključena je u cenu.

Boravišna taksa nije uključena i trenutno iznosi 128 dinara po osobi dnevno.

Za rezervaciju smeštaja obratite se agenciji Mondorama: +381 11 3035 941; +381 18 257 109, e-mail: mondoramabgd@eunet.rs, mondorama@beotel.net

Pozivamo Vas da u skladu sa svojim znanjem i iskustvom odaberete jedan od nivoa- početni ili srednji i da postanete aktivni učesnik u radu kursa.

U prilogu Vam šaljemo program kursa, a više informacija na web stranici: <http://www.ures.org.rs/kursultra.html> preko koje treba i obaviti prijavu za kurs ili telefonom na: 011/3629-282 i 011/3600-802.

U nadi da ćemo sarađivati na obostrano zadovoljstvo,

Srdačan pozdrav,

Udruženje reumatologa Srbije
Resavska 69, 11000 Beograd
Tel. 011 3600 892; 011 3629 282;
011 3600 802
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MUSCULOSKELETAL 2nd SONOGRAPHY

● COURSE FOR RHEUMATOLOGISTS

UNDER SCIENTIFIC PATRONAGE OF THE EUROPEAN LEAGUE AGAINST RHEUMATISM

● BASIC AND INTERMEDIATE LEVEL

Belgrade, November 18th - 20th, 2010

PROGRAMME



eular

Belgrade
Continental Hotel

General information and Course programme of the

2nd MUSCULOSKELETAL SONOGRAPHY COURSE FOR RHEUMATOLOGISTS - BASIC AND INTERMEDIATE LEVEL - Belgrade, November 18th-20th, 2010

ORGANIZATION AND COMMITTEE

Scientific Organizer

Prof. Annamaria Iagnocco

Local Organizer

Prof. Nemanja Damjanov

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
Milica Basarić, Serbia
Marco Matucci Cerinic, Italy
Nemanja Damjanov, Serbia
Annamaria Iagnocco, Italy
Giasna Kakavouli, Greece
Mihaela Micu, Romania
Sanja Milutinović, Serbia
Esperanza Naredo, Spain
Francesco Porta, Italy
Slavica Prodanović, Serbia
Goran Radunović, Serbia
Viktorija Savić, Serbia
Vlado Skakić, Serbia
Violeta Vlad, Romania

Instructors

Peter Balint, Hungary
Milica Basarić, Serbia
Nemanja Damjanov, Serbia
Giasna Kakavouli, Greece
Mihaela Micu, Romania
Sanja Milutinović, Serbia
Jovan Nedović, Serbia
Francesco Porta, Italy
Slavica Prodanović, Serbia
Goran Radunović, Serbia
Viktorija Savić, Serbia
Vlado Skakić, Serbia
Gordana Sušić, Serbia
Violeta Vlad, Romania

GENERAL INFORMATION

Course opening

Thursday, November 18th, 2010 - h 12.00

Course closing

Saturday, November 20th, 2010 - h 17:10

Participants

The number of participants is limited to 35 per each course

Official language

English/Serbian

Congress Venue

CONTINENTAL HOTEL BELGRADE

Milentije Popovića 7B

11070 Belgrade, Serbia

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Scientific Organizer

Prof. Annamaria Iagnocco

Local Organizer

Prof. Nemanja Damjanov

Institute of rheumatology,

Resavska 69, 11000 Belgrade, Serbia

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Organizing Secretariat

Rheumatology Association of Serbia

Resavska 69, 11000 Belgrade, Serbia

Phone: +381/11 3600 802, 3629 282

Fax: +381/11 3612 376

e-mail: ures@ures.org.rs

www.ures.org.rs

Participation fee: 400 eur

Registration, Booking and payment should be made through the execution of the organizers of the Course, tourist agency Mondorama Ltd. Dusan's Bazar lok. 216, 18 000 Niš, account number 265-4020310000058-19, Raiffeisen Bank

"Mondorama" - Belgrade

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**2nd MUSCULOSKELETAL SONOGRAPHY COURSE FOR RHEUMATOLOGISTS
- BASIC AND INTERMEDIATE LEVEL -
Belgrade, November 18th-20th, 2010**

BASIC LEVEL:

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

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, entesopathy, bursitis, calcifications, articular cartilage lesions, cortical abnormalities and joint synovitis).
- Reporting US findings and diagnosis

WORKSHOP:

- 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 PROGRAMME:

Thursday, November 18th, 2010.

12:00-14:00 **Registration**

12:00-13:30 **Lunch**

14:00-14:15 **Welcome** (basic and intermediate level together). **N. Damjanov**

14:15-14:30 **Entering test of knowledge**

Chairpersons : **P. Balint, N. Damjanov**

14:30-15:00 *History and basic physics od MSUS.* **N. Damjanov**

15:00-15:20 **Coffee break**

15:10-16:00 *Normal tissue and joint anatomy. US and correlative gross anatomy and histology.* **P. Balint**

16:00-16:25 *Artifacts and misinterpretation in MSUS.* **G. Kakavouli**

16:25-16:50 *Technical characteristics and setting of ultrasound equipments for rheumatology.* **A. Iagnocco**

16:50-17:10 **Coffee break**

17:10-18:40 **Workshop:** *Supervised practical handling of the ultrasound machine settings. Normal MSUS anatomy.*

Chairpersons: **S. Prodanović, N. Damjanov**

18:40-19:10 *Reporting ultrasound findings and diagnosis.* **S. Prodanović**

19:20-20:00 **Workshop:** *Supervised reporting of ultrasound findings and diagnosis.*

21:00- **Dinner party**

Friday, November 19th, 2010

Chairpersons: S. Milutinović, M. Micu, V. Vlad

09:00-09:40 *Sonographic semiology (tendinosis, tenosynovitis, partial and complete tendon tear, entesopathy, bursitis, calcifications, articular cartilage lesions, cortical abnormalities and joint synovitis).*
S. Milutinović

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.* **V. Vlad**

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.* **M. Micu**

13:00-14:20 **Workshop:** *Supervised scanning technique of knee. Normal and basic pathological findings.*

14:20-15:30 *Lunch*

Chairpersons: E. Naredo, N. Damjanov

15:30-15:50 *Standardized scanning of the shoulder: normal and basic pathological findings.* **E. Naredo**

15:50-17:50 **Workshop:** *Supervised scanning technique of shoulder. Normal and basic pathological findings.*

20:00- *Dinner party*

Saturday, November 20th, 2010.

Chairpersons: G. Radunović, V. Skakić, V. Savić

09:00- 09:20 *Standardized scanning of the wrist and hand: normal and basic pathological findings. G. Radunović*

09:20- 09:40 *Standardized scanning of the elbow: normal and basic pathological findings. V. Skakić*

09:40:10:00 *Standardized scanning of the ankle and foot: normal and basic pathological findings. V.Savić*

10:00-10:30 *Coffee break*

10:30-13:20 **Workshop:** *Supervised scanning technique of wrist, hand, elbow, ankle and feet. Normal and basic pathological findings*

13:20-13:40 *Coffee break*

13:40-14:10 *Test of knowledge*

14:10-15:10 *Lunch and certificate issuing*

**BASIC AND INTERMEDIATE MUSCULOSKELETAL SONOGRAPHY COURSE FOR
RHEUMATOLOGISTS**
Belgrade, November 18th-20th, 2010

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, entesitis and degenerative 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, entesitis and degenerative lesions
- Role of ultrasound in diagnosis and monitoring of metabolic arthritis
- Role of ultrasound in assessment of skin
- Role of ultrasound in monitoring patients with inflammatory joint diseases
- Standards of safety of ultrasound-guided punctures and injections sonographic system

WORKSHOP :

- 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, entesitis and degenerative lesions.
- Supervised basic sonographic-guided musculoskeletal injections

SCIENTIFIC PROGRAMME:

Thursday, November 18th, 2010.

12:00-14:00 **Registration**

12:00-13:30 **Lunch**

14:00-14:15 **Welcome** (basic and intermediate level together). **N. Damjanov**

14:15-14:30 **Entering test of knowledge**

Chairpersons : A. Iagnocco, E. Naredo

14:30-15:00 *Which is the most appropriate US equipment for rheumatological applications?* **A. Iagnocco**

15:00-15:20 **Coffee break**

15:20-16:50 **Workshop:** *Supervised practical handling on the US machine settings. Sonoanatomy: correct acquisition of images in normal musculoskeletal structures (muscles, tendons, bursae, ligaments, nerves, articular cartilage, joint space, joint recesses, joint capsules and bony profile).*

16:50- 17:10 **Coffee break**

Chairpersons: M. Matucci, E. Naredo, P. Balint

17:10-17:40 *Doppler physics and techniques. Colour and Power Doppler settings and its optimisation.* **E. Naredo**

17:40- 18:10 *Colour Doppler and power Doppler artefacts.* **P. Balint**

18:10- 18:40 *Ultrasound of skin: experience from systemic sclerosis.* **M. Matucci**

18:40-19:20 **Workshop:** *Supervised practical handling of colour/power Doppler. How to use and set equipment. The choice of the appropriate probe.*

21:00- **Dinner party**

Friday, November 19th, 2010

Chairpersons: A. Iagnocco, E. Naredo, S. Milutinović

09:00-09:40 *Basic US lesions: synovitis, bony cortex and cartilage. Definition, detection and quantification. E. Naredo*

09:40-11:10 **Workshop:** *Supervised hands-on scanning of patients with inflammatory and degenerative joint disorders. How to detect and quantify synovitis, cartilage and bony lesions.*

11:10-11:30 **Coffee break**

11:30-12:00 *Basic US lesions: tendinopathies, tenosynovitis. A. Iagnocco*

12:00-12:30 *Basic US lesions: enthesitis, enthesopathy. P. Balint*

12:30-13:00 *Basic US lesions: cartilage and bone lesions in osteoarthritis. M. Basarić*

13:00-14:20 **Lunch**

14:20-15:50 **Workshop:** *Supervised hands-on scanning of patients with inflammatory and degenerative joint and periarticular soft tissues disorders. How to detect and quantify musculoskeletal lesions*

15:50-16:10 **Coffee break**

Chairpersons: M. Micu, V. Skakić

16:10-16:30 *Standardized scanning of the inflammatory and degenerative shoulder. E. Naredo*

16:30-17:00 *Standardized scanning of the inflammatory and degenerative Elbow. V. Skakić*

17:00-17:20 *Standardized scanning of the inflammatory and degenerative hip. M. Micu*

17:20-17:50 **Coffee break**

17:50-19:00 **Workshop:** *Supervised hands-on scanning of patients with inflammatory and degenerative shoulder, elbow, hip and knee.*

20:00 **Dinner party**

Saturday, November 20th, 2010

Chairpersons: V. Vlad, N. Damjanov

09:00- 09:30 *Standardized scanning of the inflammatory and degenerative knee*
V. Vlad

09:30-10:30 **Workshop:** *Supervised hands-on scanning of patients with inflammatory and degenerative shoulder, elbow, hip and knee*

10:30-10:50 *Coffee break*

Chairpersons: N. Damjanov, S. Prodanović, S. Milutinović

10:50-11:10 *Standardized scanning of the inflammatory and degenerative hand and wrist.* **F. Porta**

11:10: 11:30 *Standardized scanning of the inflammatory and degenerative ankle and foot.* **V. Savić**

11:30-12:00 *Role of US in the diagnosis of crystal arthropathy.* **S. Prodanović**

12:00-12:20 *Power Doppler, Ultrasound in Rheumatology: basics and importance.*
S. Milutinovic

12:20-12:40 *Basic skills in sonographic-guided musculoskeletal injections.*
N. Damjanov

12:40-13:00 *Coffee break*

13:00-14:30 **Workshop:** *Supervised hands-on scanning of patients with inflammatory and degenerative hand, wrist, ankle and foot.*

14:30-16:00 **Workshop:** *Basic skills in sonographic-guided musculoskeletal injections*

16:00-16:30 *Test of knowledge*

16:30-17:30 *Lunch and certificate issuing*