

4th MUSCULOSKELETAL SONOGRAPHY COURSE FOR RHEUMATOLOGISTS

INTERMEDIATE LEVEL COURSE and BASIC LEVEL PEDIATRIC COURSE

Belgrade, 9-11 May, 2013

GENERAL INFORMATION AND COURSES PROGRAMMES



- Musculoskeletal sonography courses for rheumatologists, Belgrade 2013 are intended to be a combination of lectures and practical sessions. The courses have been designed following the recommendations for the content and conduct of European League Against Rheumatism (EULAR) musculoskeletal ultrasound courses. We will have two courses – INTERMEDIATE LEVEL COURSE and BASIC PEDIATRIC LEVEL COURSE each of them consisting of theoretical talks and supervised hands-on scanning of healthy persons and/or patients with musculoskeletal disorders.
- Sponsorship: ABBOTT, PHARMASWISS, ROCHE, MSD, ESAOTE, GENERAL ELECTRIC HEALTH CARE. Total amount of sponsorship will not exceed 40% of total cost for the Course. Esaote and General Electric Health Care will provide ultrasound equipment free of charge. Sponsorships will cover part of travel and accommodation expenses for the faculty, Course venue and organization costs. Sponsors will not have any influence on the course program, scientific and other content, or speakers in any way.
- The Course will be granted with CME accreditation by the Medical Council of the Serbian Ministry of Health (accreditation process in progress).
- Registration is intended to be opened for all EULAR member countries. This course is recommended for rheumatologists and/or pediatricians with special interest in pediatric MSUS.
- We offer two options for registration fee:
 - **Option A:** course, educational material, 3 lunches, 4 coffee breaks, 1 dinner (10th May) - **Fee: 600€.**
 - **Option B:** course, educational material, 3 lunches, 4 coffee breaks, 2 dinners, accommodation (2 nights in Hotel Best Western Hotel M) - **Fee: 800€.**

Scientific Director

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Executive Director

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GENERAL INFORMATION

Course opening
Thursday, May 9th, 2013 - h 12.00
Course closing
Saturday, May 11th, 2013- h 16:00

Participants***EARLY REGISTRARTION until March 30th, 2013***

The number of participants is limited to 40 per each course
Official language
English

Congress Venue

Best Western Hotel M
Bulevar Oslobođenja 56a, 11000 Belgrade

Organizing Secretariat

Rheumatology Association of Serbia Resavska 69, 11000 Belgrade, Serbia
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Contact and Technical organizer:

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Cara Dušana 54-72, Dušanov bazar, loc 216, 18000 Niš, Serbia
+381 (0)18/259-500, (0)18/259-501
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Entering test of knowledge and Exit test of knowledge will be performed. Formal evaluation of the course will be performed by all attendees at the end of each course day.

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

Faculty

Annamaria Iagnocco, Italy
Carlo Martinoli, Italy
Consuelo Modesto, Spain
Esperanza Naredo, Spain
Francesco Porta, Italy
Giasna Kakavouli, Greece
Goran Radunović, Serbia
Gordana Susic, Serbia
Jelena Vojinovic, Serbia
Mihaela Micu, Romania
Nemanja Damjanov, Serbia
Paz Collado, Spain
Peter Balint, Hungary
Porin Perić, Croatia
Sandrine Jousse-Joulin, France
Silvia Magni Manzoni, Italy
Slavica Prodanović, Serbia
Vlado Skakić, Serbia

Instructors

Giasna Kakavouli, Greece
Jovan Nedović, Serbia
Mihaela Micu, Romania
Porin Perić, Croatia
Francesco Porta, Italy
Slavica Prodanović, Serbia
Goran Radunović, Serbia
Consuelo Modesto, Spain
Gordana Susic, Serbia
Paz Collado, Spain
Sandrine Jousse-Joulin, France
Silvia Magni Manzoni, Italy
Vlado Skakić, Serbia

BASIC LEVEL PAEDIATRIC MSUS COURSE



OBJECTIVES:

- To know the principles of MSUS in children.
- To identify the sonographic pattern of the different musculoskeletal tissues in children.
- To know and to identify normal musculoskeletal anatomy of children using ultrasound.
- To learn and perform an ultrasound assessment of each musculoskeletal anatomical region using a standardized examination in children.
- To identify the principal pathological MSUS findings in children.
- To report ultrasound findings and diagnosis.

MAIN TOPICS

- The course will focus on musculoskeletal examination technique, indications and limitations of Paediatric MSUS,
- Normal musculoskeletal sonoanatomy, detection of the
- Principal pathologies in children and reporting MSUS findings in children.

WORKSHOP

- Practical handling of the ultrasound machine settings.
- Supervised identification of musculoskeletal structures in children.
- Supervised standardized sonographic scanning of the hip, knee, ankle and foot, shoulder, elbow, wrist and hand in children.
- Supervised hands-on scanning of children with basic musculoskeletal lesions.

May 9th 2013, Thursday

12:00-14:00 Registration

12:00-13:30 Lunch

14:00-14:15 Welcome – *A. Iagnocco, N. Damjanov*

14:15-14:40 Entering test of knowledge

Chairpersons: A. Iagnocco, E. Naredo

14.40 – 15.20 Sonographic pattern of the musculoskeletal tissues and technical characteristics and setting of ultrasound equipments for rheumatology. (*E. Naredo*)

15.20 – 16.00 Color Doppler and Power Doppler (i.e. basis, optimizing setting and applications). (*A. Iagnocco*)

16.00 – 16.20 coffee break

Chairpersons: P. Balint, J. Vojinovic

16.20 – 16.40 Clinical use of MSUS in pediatric practice. (*J. Vojinovic*)

16.40 – 17.00 MSUS in pediatric rheumatology. (*G. Susic*)

17.00 – 17.40 Sonographic pattern of the musculoskeletal tissues in children. (*P. Balint*)

17.40 -19.00 Workshop: Optimized use of the US machine settings and identification normal tissues in children.

May 10th 2013, Friday

Chairpersons: A. Iagnocco, C. Martinoli

9.00 – 9.40 Sonographic semiology (tendinosis, tenosynovitis, partial and complete tendon tear, entesopathy, bursitis, calcifications, articular cartilage lesions, cortical abnormalities and joint synovitis). (*A. Iagnocco*)

9.40 – 10.20 Sonoanatomy of the hip in children. Normal and principal pathological findings. (*C. Martinoli*)

10.20 – 10.30 coffee break

10.30 -12.00 Workshop: Standardized scanning of the hip in children.

12.00 – 13.00 Sonoanatomy of the shoulder and elbow in children. Normal and the principal pathological findings. (*C. Modesto*)

13.00-14.30 Lunch

14.30 – 15.15 Workshop: Standardized scanning of the shoulder in children.

15.15 – 16.00 Workshop: Standardized scanning of the elbow in children.

16.00 – 16.20 coffee break

Chairpersons: P. Collado , S. Magni Manzoni

16.20 – 16.50 Sonoanatomy of the wrist and hand in children. Normal and principal pathological findings. (*S. Magni Manzoni*)

16.50 – 17.20 Sonoanatomy of the foot in children. Normal and principal pathological findings. (*P. Collado*)

17.20 – 18.00 Basic skills in sonographic-guided arthrocentesis. (*N. Damjanov*)

May 11th 2013, Saturday

9.00 – 9.50 Workshop: Standardized scanning of the hand in children.

9.50 – 10.40 Workshop: Standardized scanning of the foot in children.

10.40 – 11.00 coffee break

Chairpersons: P. Balint , S. Jousse-Joulin

11.00– 11.45 Standardized scanning of the enthesis in children. Normal and principal pathological findings (enthesitis, enthesopathy). (*P. Balint*)

11.45 – 12.30 Sonoanatomy of the knee in children. Normal and principal pathological findings. (*S. Jousse-Joulin*)

12.30 - 13.15 Workshop: Standardized scanning of the knee in children

13.15 – 14.30 Workshop: Basic skills in sonographic-guided arthrocentesis

14.30 – 15.00 Exit test of knowledge and closing remarks

15.00 – 16.00 Lunch and certificate issuing

INTERMEDIATE LEVEL MSUS COURSE



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

May 9th 2013, Thursday

12:00-14:00 Registration

12:00-13:30 Lunch

14:00-14:15 Welcome - *A. Iagnocco, N. Damjanov*

14:15-14:40 Entering test of knowledge

Chairpersons: *A. Iagnocco, E. Naredo*

14.40 – 15.20 Sonographic pattern of the musculoskeletal tissues and technical characteristics and setting of ultrasound equipments for rheumatology (*A. Iagnocco*)

15.20 – 16.00 Color Doppler and Power Doppler (optimizing setting and applications) (*E. Naredo*)

16.00 – 16.20 coffee break

16.20 – 17.40 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). Colour and Power Doppler settings and its optimization.

17.40 – 18.40. Colour and Power Doppler and power Doppler artifacts (*E. Naredo*)

May 10th 2013, Friday

9.00 – 10.20 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.

10.20 – 10.30 coffee break

Chairpersons: *A. Iagnocco, P. Balint*

10.30 – 11.00 Basic US lesions: synovitis, bony cortex and cartilage. Definition, detection and quantification. (*E. Naredo*)

11.00-11.30 Basic US lesions: tendinopathies, tenosynovitis. (*A. Iagnocco*)

11.30 – 12.00 Basic US lesions: enthesitis, enthesopathy. (*P. Balint*)

12.00 – 13.00 Workshop: Supervised hands-on scanning of patients with inflammatory and degenerative joint and periarticular soft tissues disorders. How to detect and quantify musculoskeletal lesions

13.00-14.30 Lunch

Chairpersons: P.Peric, V. Skakic

14.30 -14.50 Basic US lesions: cartilage and bone lesions in osteoarthritis. (*F. Porta*)

14.50 – 15.15 Standardized scanning of the inflammatory and degenerative shoulder. (*P. Peric*)

15.15 – 15.40 Standardized scanning of the inflammatory and degenerative elbow (*V. Skakic*)

15:40 – 16:00 Standardized scanning of the inflammatory and degenerative of the hip. (*M. Micu*)

16.00 – 16.20 coffee break

16.20 – 18.00 Workshop: Supervised hands-on scanning of patients with inflammatory and degenerative shoulder, elbow, hip

May 11th 2013, Saturday

Chairpersons: V.Vlad, G. Radunovic

9.00 – 9.25 Standardized scanning of the inflammatory and degenerative hand and wrist. (*G. Kakavouli*)

9.25 – 9.50 Standardized scanning of the inflammatory and degenerative ankle and foot. (*G. Radunovic*)

9.50 – 10.15 Role of US in the diagnosis of crystal arthropathy. (*S. Prodanovic*)

10.15 – 10.40 Standardized scanning of the inflammatory and degenerative knee. (*V. Vlad*)

10.40 – 11.00 coffee break

11.00 – 11.40 Workshop: Supervised hands-on scanning of patients with inflammatory and degenerative hand, and wrist

11.40 – 12.30 Workshop: Supervised hands-on scanning of patients with inflammatory and degenerative, Knee, ankle and foot

12.30 – 13.15 Basic skills in sonographic-guided arthrocentesis. (*N. Damjanov*)

13.15 – 14.30 Workshop: Basic skills in sonographic-guided arthrocentesis

14.30 – 15:00 Exit test of knowledge and closing remarks

15:00 – 16.00 Lunch and certificate issuing

APPLICATION

4th MUSCULOSKELETAL SONOGRAPHY COURSE

Belgrade, May 9th-11st, 2013

FAMILY NAME	
FIRST NAME	
Gender	<input type="checkbox"/> male <input type="checkbox"/> female
Date of Birth	
MEDICAL SPECIALTY	
CONTACT ADDRESS	
COUNTRY	
Phone	
Fax	
Mobile	
email	
INSTITUTION (name and address)	
LICENSE NUMBER	
SPONSOR CONTACT DETAILS (if applicable)	
Please tick appropriate	
INTERMEDIATE <input type="checkbox"/> BASIC PEDIATRIC <input type="checkbox"/>	COURSE TYPE
<input type="checkbox"/>	PARTICIPANT (fee and accommodation included)
single room <input type="checkbox"/> double room <input type="checkbox"/>	room occupation type
<input type="checkbox"/>	PARTICIPANT (fee without accommodation)

signature

Application forms should be signed and sent by

fax: +38118293305

or scanned and sent by e-mail: mondoramasuzana@medianis.net