



**PAEDIATRIC MUSCULOSKELETAL
ULTRASOUND COURSE**

MADRID, MARCH 23- 25, 2012

HOTEL MELLIA CASTILLA

SPAIN

PAEDIATRIC MUSCULOSKELETAL ULTRASOUND COURSE

SCIENTIFIC ORGANIZERS

Paz Collado

Esperanza Naredo

FACULTY

The faculty will consist of experienced international ultrasonographers (rheumatologist, pediatrician and radiologist), experts in paediatric musculoskeletal ultrasound (MSUS). All lectures will be in English.

Peter Balint

Fulvia Ceccarelli

Paz Collado

Annamaria Iagnocco

Sandrine Jousse-Joulin

Silvia Magni-Manzoni

Carlo Martinoli

Consuelo Modesto

Esperanza Naredo

Laura Pascoli

Ana Rodriguez

Madeleine Rooney

Johannes Roth

Maura Valle

GENERAL INFORMATION

Three days programme, 23rd, 24th and 25th March 2012

Course opening

Friday, March 23rd, 2012, 14:00 hrs.

Course closing

Sunday, March 25th, 2012, 13:00 hrs

Participants

The maximum number is limited to 50 participants (10 small groups of 4-5 participants per tutor and US machine).

Official language

English

Congress Venue

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Organizing Secretariat

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REGISTRATION AND PARTICIPATION FEE

Applications should be send to:

Sandra Jimenez: msusped@ser.es

Registration is open to all EULAR member countries. This course is recommended for rheumatologists or pediatricians with special interest in paediatric MSUS.

We offer two options for registration/fee:

- A) **Option 1:** course, educational material, 1 lunch (24th March) and 4 coffee breaks (Fee: 950€).
- B) **Option 2:** course, educational material, 1 lunch (24th March), 4 coffee breaks, accommodation (2 nights in Hotel Melia Castilla) and 2 dinners (Fee: 1250€).

PAEDIATRIC MUSCULOSKELETAL ULTRASOUND COURSE

Course structure

The course has been designed following the recommendations for the content and conduct of European League Against Rheumatism (EULAR) musculoskeletal ultrasound courses (1). The course will be run for 3 days. It will focus on musculoskeletal examination technique, normal musculoskeletal sonoanatomy and detection of the principal pathologies in children.

Reference: (1) E Naredo, J W J Bijlsma, P G Conaghan, C Acebes, P Balint, H Berner-Hammer, IG A W Bruyn, P Collado, M A D'Agostino, J J de Agustin, E de Miguel, E Filippucci, W Grassi, A Iagnocco, D Kane, J M Koski, B Manger, L Mayordomo, I Möller, C Moragues, E Rejón, M Szkudlarek, L Terslev, J Uson, R J Wakefield and W A Schmidt. Recommendations for the content and conduct of musculoskeletal ultrasound courses European League Against Rheumatism (EULAR). *Ann Rheum Dis* 2008; 67:1017-1022

Objectives

1. To know the principles of MSUS in children.
2. To identify the sonographic pattern of the different musculoskeletal tissues in children.
3. To know and to identify normal musculoskeletal anatomy of children using ultrasound.
4. To learn and perform an ultrasound assessment of each musculoskeletal anatomical region using a standardized examination in children.
5. To identify the principal pathological MSUS findings in children.
6. 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 US 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.

SCIENTIFIC PROGRAMME

Friday 23rd March 2012

14.00-14.30	Registration
14.30-14.45	Wellcome
14.45-15.15	Basic principles of MSUS
15.15-15.45	Role of MSUS in paediatric daily practice
15.45-16.15	Joint ultrasound scanning in children
16.15-16.45	<i>Coffee break</i>
16.45-17.30	Sonographic pattern of the musculoskeletal tissues
17.30-19.00	Workshops: Optimized use of the US machine settings and identification normal tissues.

Saturday 24th March 2012

- 8.30-9.00 Sonoanatomy of the child's knee. Normal and principal pathological findings
- 9.00-10.15 **Workshop:** Standardized scanning of the child's knee. Detection of Paediatric-MSUS abnormalities
- 10.15-10.45 *Coffee break*
- 10.45-11.15 Sonoanatomy of child's wrist and hand. Normal and principal pathological findings
- 11.15-12.30 **Workshop:** Standardized scanning of the child's hand. Detection of Paediatric-MSUS abnormalities
- 12.30-13.00 Sonoanatomy of the child's hip. Normal and principal pathological findings
- 13.00-14.00 *Lunch*
- 14.00-14.30 **Workshop:** Standardized scanning of the child's hip. Detection of Paediatric-MSUS abnormalities
- 14.30-15.30 Sonoanatomy of the child's shoulder and elbow. Normal and the principal pathological findings
- 15.30-16.00 *Coffee break*
- 16.00-17.00 **Workshop:** Standardized scanning of the child's shoulder. Detection of Paediatric-MSUS abnormalities
- 17.00-18.00 **Workshop:** Standardized scanning of the child's elbow. Detection of Paediatric-MSUS abnormalities

Sunday 25th March 2012

9.00-10.00	Color Doppler and Power Doppler in children (i.e. basis, optimizing setting and applications)
10.00-10.45	Sonoanatomy of the child's foot. Normal and principal pathological findings
10.45-11.15	<i>Coffee break</i>
11.15-12.30	Workshop: Standardized scanning of the child's foot. Detection of Paediatric-MSUS abnormalities
12.30-12.45	Course Evaluation
12.45-13.00	Closing Remarks