

## 1<sup>st</sup> EULAR-PreS PAED MSUS Course – Intermediate

Madrid, Spain

Monday, 10<sup>th</sup> June – Wednesday, 12<sup>th</sup> June 2019



The courses are a combination of lectures and hands-on scanning of models (Basic course) or patients (Intermediate Course) with paediatric rheumatic diseases in small groups with experienced tutors. The course has been designed following the recommendations for the content and conduct of EULAR musculoskeletal ultrasound courses (Naredo E, Bijlsma JWW, et al. *Ann Rheum Dis* 2008; 67:1017-22).

## ORGANISATION & COMMITTEE

### Organisers

- Esperanza Naredo
- Paz Collado
- Jelena Vojinovic
- Silvia Magni-Manzoni

### Faculty

**Peter Balint**, Hungary; **Paz Collado**, Spain; **Sandrine Jousse-Joulin**, France; **Silvia Magni-Manzoni**, Italy; **Clara Malattia**, Italy; **Viviana Ravagnani**, Italy; **Ana Rodriguez**, Spain; **Martina Steiner**, Spain; **Nikolay Tzaribachev**, Germany; **Jelena Vojinovic**, Serbia; **Daniel Windschall**, Germany.

### Hands-on Tutors

**Daniel Clemente**, Spain; **Consuelo Modesto**, Spain; 3. **Alejandro Prada**, Spain; **Luis Sala**, Spain.

### Organising secretariat

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## GENERAL INFORMATION

### Course venue & hotel

Hotel Meliá Avenida América

Calle Juan Ignacio Luca de Tena, 36, 28027 Madrid, Spain

T: +34914232400

F: +34913201440

<https://www.melia.com/en/hotels/spain/madrid/melia-avenida-america/index.htm>

### Course dates

10<sup>th</sup> June (Start at 14:00), 11<sup>th</sup> June (full day), 12<sup>th</sup> June (End at 12:30)

### Participants

- 30 participants maximum

### Official language

- English

## Application requirement(s)

No prerequisites

## Course fee

**1400 €** (VAT included), package includes:

Monday, 10<sup>th</sup> June 2019

- Full access to the Course
- 1-night accommodation at the Meliá Avenida América hotel in single room, breakfast included
- Afternoon coffee break
- Dinner

Tuesday, 11<sup>th</sup> June 2019

- Full access to the Course
- 1-night accommodation at the Meliá Avenida América hotel in single room, breakfast included
- Morning & Afternoon coffee breaks
- Lunch & Dinner

Wednesday, 12<sup>th</sup> June 2019

- Full access to the Course
- Morning coffee break

**The course fee quoted is a package price; therefore, the usage of the accommodation is highly recommended. For participants who would prefer not to utilise the accommodation, a discount of 100 € will be given.**

## COURSE DESCRIPTION

The **INTERMEDIATE COURSE** will focus on the definition, detection and quantification of a wide spectrum of paediatric rheumatic and musculoskeletal pathologies, the use of Doppler modes in children and ultrasound-guided MSUS injections. Previous attendance to a basic paediatric MSUS course is highly recommended before participating in this course.

### Learning objectives

- To know the applications and limitations of Doppler MSUS in children
- To learn Doppler setting optimisation and artefacts
- To identify physiological joint vascularization in children
- To detect and quantify pathological MSUS findings in children
- To perform ultrasound-guided MSUS injections
- To document images and to report ultrasound findings

### Course certification

At the end of the course, all participants who have successfully completed the Intermediate course will receive a certificate:

- EULAR-PreS 2<sup>nd</sup> MSUS PAED in Rheumatology Course – Intermediate [Passed]

## Detailed Programme

Day 1 – Monday, 10<sup>th</sup> June 2019

Time	Type of session & Title	Speakers	Room
12:00 – 14:00	Check In & Registration		Lobby
14:00 – 14:15	<p><b>Welcome and overview</b></p> <ul style="list-style-type: none"> <li>Objectives and content of the course</li> </ul>	P. Collado S. Magni-Manzoni J. Vojinovic E. Naredo	Toledo (IV)
14:15 – 14:50	<p><b>Grey-scale and Doppler principles, settings and optimisation, and artefacts of MSUS</b></p> <p>*** Combined session with Basic Course</p>	P. Balint Chairs: P. Collado & C. Malattia	Toledo (I)
14:50 – 15:20	<p><b>Sonographic pattern and sonoanatomy of musculoskeletal tissues in children</b></p> <p>*** Combined session with Basic Course</p>	C. Malattia Chairs: P. Collado & C. Malattia	Toledo (I)
15:20 – 16:10	<p><b>Standardized MSUS scanning approach in pediatric rheumatology</b></p> <p>*** Combined session with Basic Course</p>	J. Vojinovic Chairs: P. Collado & C. Malattia	Toledo (I)
16:10 – 16:30	<p><b>Physiological vascularization of healthy joints in children</b></p> <p>*** Combined session with Basic Course</p>	D. Windschall Chairs: P. Collado & C. Malattia	Toledo (I)
16:30 – 17:00	<b>COFFEE BREAK</b>		Toledo (IV)

## Day 1 – Monday, 10<sup>th</sup> June 2019 [continue]

Time	Type of session & Title	Speakers	Room
17:00 – 19:00	<p><b>Workshop [Models]</b></p> <ul style="list-style-type: none"> <li>Supervised handling of Doppler mode, optimisation of Doppler settings and identification of physiological vessels in children.</li> </ul>	Faculty & Tutors	Toledo (IV)
19:00 – 19:30	<b>Application of Doppler MSUS in paediatric clinical practice</b>	S. Magni-Manzoni Chair: P. Balint	Toledo (IV)
19:30	DINNER		Toledo (II + III)

## Day 2 – Tuesday, 11<sup>th</sup> June 2019

Time	Type of session & Title	Speakers	Room
08:30 – 09:00	Pathological MSUS findings in the child's knee	N. Tzaribachev Chairs: C. Malattia & N. Tzaribachev	Toledo (IV)
09:00 – 09:30	Pathological MSUS findings in the child's ankle and foot	P. Collado Chairs: C. Malattia & N. Tzaribachev	Toledo (IV)
09:30 – 10:00	Pathological MSUS findings in the child's hip	C. Malattia Chairs: C. Malattia & N. Tzaribachev	Toledo (IV)
10:00 – 10:30	MSUS scoring of inflammatory findings in children	J. Vojinovic Chairs: C. Malattia & N. Tzaribachev	Toledo (IV)
10:30 – 11:00	COFFEE BREAK		Toledo (IV)
11:00 – 13:00	<b>Workshop [Patients]</b> <ul style="list-style-type: none"> <li>Supervised scanning of pathological hip, knee, ankle and foot</li> </ul>	Faculty & Tutors	Toledo (IV)
13:00 – 14:30	LUNCH		Toledo (II + III)



## Day 2 – Tuesday, 11<sup>th</sup> June 2019 [continue]

Time	Type of session & Title	Speakers	Room
14:30 – 15:00	Pathological MSUS findings in the child's shoulder	V. Ravagnani Chairs: S. Jousse-Joulin & S. Magni-Manzoni	Toledo (IV)
15:00 – 15:30	Pathological MSUS findings in the child's elbow	S. Jousse-Joulin Chairs: S. Jousse-Joulin & S. Magni-Manzoni	Toledo (IV)
15:30 – 16:10	Pathological MSUS findings in the child's wrist and hand	S. Magni-Manzoni Chairs: S. Jousse-Joulin & S. Magni-Manzoni	Toledo (IV)
16:10 – 16:30	Sonoanatomy, standardised scanning, and abnormalities of the child's temporomandibular joint	N. Tzaribachev Chairs: S. Jousse-Joulin & S. Magni-Manzoni	Toledo (IV)
16:30 – 17:00	COFFEE BREAK		Toledo (IV)
17:00 – 19:00	<p><b>Workshop [Model]</b></p> <ul style="list-style-type: none"> <li>Supervised standardised scanning of the shoulder, elbow, wrist and hand</li> </ul>	Faculty & Tutors	Toledo (IV)
19:30	DINNER		Toledo (II + III)

## Day 3 – Wednesday, 12<sup>th</sup> June 2019

Time	Type of session & Title	Speakers	Room
08:30 – 09:00	Documentation of US images and report of US findings	V. Ravagnani Chairs: V. Ravagnani & J. Vojinovic	Toledo (IV)
09:00 – 10:00	US-guided periarticular and intra-articular injections. Video demo	J. Vojinovic Chairs: V. Ravagnani & J. Vojinovic	Toledo (IV)
10:00 – 10:30	COFFEE BREAK		Toledo (IV)
10:30 – 12:15	<p style="text-align: center;"><b>Workshop</b></p> <ul style="list-style-type: none"> <li>• Ultrasound-guided injections</li> </ul>	Faculty & Tutors	Toledo (IV)
12:15 – 12:30	Closing remarks	P. Collado S. Magni-Manzoni J. Vojinovic E. Naredo	Toledo (IV)