



## **PAEDIATRIC MUSCULOSKELETAL ULTRASOUND COURSE**

**October 3-5, 2019 – Antalya, TURKEY**

### **Scientific Organisers**

Ender Terzioglu, Esperanza Naredo

### **Faculty**

**Paz Collado**, Spain.

**Silvia Magni-Manzoni**, Italy.

**Clara Malattia**, Italy.

**Fernando Saraiva**, Portugal

**Martina Steiner**, Spain.

**Daniel Windschall**, Germany.

**Esperanza Naredo**, Spain.

**Ender Terzioglu**, Turkey.

**Wolfgang Schmidt**, Germany.

### **Date**

October 3-5, 2019

### **Venue**

Antalya, Turkey

### **Registration & Accommodation**

Course fee including course registration, hotel for 3 nights & meals: 980 €

Reserve your participation by email: [usgantalya@gmail.com](mailto:usgantalya@gmail.com)

**Number of participants:** 30

**Language:** English

### **Educational Objectives**

- Identify the spectrum of musculoskeletal pathology with ultrasound that commonly appears in rheumatological practice
- Know physics and application of Doppler sonography for musculoskeletal ultrasound
- Ability to perform sonographic-guided articular and periarticular injections.

### **Scientific Secretariat**

#### **Prof. Dr. Ender Terzioglu**

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### **Organising Secretariat**

#### **DMR Tourism Congress / Incentive / Organization**

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### **Scientific Content**

The course is a combination of lectures and hands-on scanning of models and/or patients 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 JWJ, et al. Ann Rheum Dis 2008; 67:1017-22).

### **Learning Objectives**

To know the principles and applications of MSUS in children

To learn ultrasound machine handling, setting optimization and artefacts

To identify the sonographic pattern of musculoskeletal tissues in children

To learn normal musculoskeletal sonoanatomy in children

To learn the standardised ultrasound assessment of each musculoskeletal anatomic region in children

To detect and identify basic pathological MSUS findings in children

To learn ultrasound-guided injections

To document images and to report ultrasound findings

### **Course certification**

A certificate of attendance will be supplied to all participants.

Course evaluation

You will be kindly asked to evaluate the courses with respect to educational content, course organisation and venue. It is mandatory to fill out the online survey.

## SCIENTIFIC PROGRAMME

October 3, 2019

Time	Session	Speaker
12.00-13.30	Registration	
13.30-13.45	Welcome. Objectives and content of the course.	Ender Terzioglu
13.45-14.15	Basic grey-scale and Doppler principles and artefacts of musculoskeletal ultrasound (MSUS)	Esperanza Naredo
14.15-15.15	Anatomic components and ultrasound pattern of musculoskeletal tissues in children. Standardized MSUS scanning approach in paediatric rheumatology	Paz Collado
15.15-15.45	Coffee break	
15.45-16.15	Role of MSUS in paediatric clinical practice	Paz Collado
16.15-16.45	Physiological vascularization of healthy joints in children	Daniel Windschall
16.45-17.15	Basic pathological MSUS findings in children	Clara Malattia
17.15-19.00	Workshop (models). Supervised handling of the probe and optimisation of settings. US appearance of musculoskeletal tissues and structures in children	All Faculty
19.30	Dinner	

October 4, 2019

Time	Session	Speaker
9.00-9.30	Sonoanatomy and standardised scanning of the child's elbow. Basic pathological findings	Clara Malattia
9.30-10.00	Sonoanatomy and standardised scanning of the child's ankle and foot. Basic pathological findings	Paz Collado
10.00-10.30	Sonoanatomy and standardised scanning of the child's hip. Basic pathological findings	Daniel Windschall
10.30-11.00	Coffee break	
11.00-13.00	Workshop. Supervised standardised scanning of the hip, knee, ankle and foot (models). Basic pathological findings (patients and video live demo)	All Faculty
13.00-14.30	Lunch	
14.30-15.00	Sonoanatomy and standardised scanning of the child's shoulder. Basic pathological findings	Daniel Windschall
15.00-15.30	Sonoanatomy and standardised scanning of the child's knee. Basic pathological findings	Martina Steiner
15.30-16.00	Sonoanatomy and standardised scanning of the child's wrist and hand. Basic pathological findings	Silvia Magni-Manzoni
16.00-16.30	Coffee break	
16.30-18.30	Workshop. Supervised standardised scanning of the shoulder, elbow, wrist and hand (models). Basic pathological findings (patients and video live demo)	All Faculty
19.30	Dinner	

October 5, 2019

Time	Session	Speaker
9.00-9.30	Report of US findings	Wolfgang Schmidt,
9.30-10.15	US-guided periarticular and intra-articular injections. Video live demo	Silvia Magni-Manzoni
10.15-10.30	Coffee break	
10.30-12.30	Workshop. MSK US-guided injections (phantoms)	All Faculty

**12.30-12.45**

**Closing Remarks**

**Ender Terzioglu**