



PRES/EULAR PAEDIATRIC MUSCULOSKELETAL ULTRASOUND COURSE BASIC LEVEL

Prague, 23-25 September 2022

Registration is intended to be opened for all EULAR and PRES members. This course is recommended for rheumatologists or pediatricians with special interest in paediatric MSUS. The course has been designed following the recommendations for the content and conduct of European League Against Rheumatism (EULAR) musculoskeletal ultrasound courses. Entering test of knowledge and Exit test of knowledge will be performed.

VENUE

Charles University, Medical School

REGISTRATION FEE 600 euro

Includes: course educational material, meals, coffee breaks, 2 nights accommodation, course certificate. Accommodation will be at Ibis Wenceslas Square

ORGANISATION & COMMITTEE

Scientific Organisers

Silvia Magni-Manzoni, Italy

Jelena Vojinovic, Serbia

Daniel Windschall, Germany

Local Organizers

Pavla Dolezalova, Czech Republic
Hana Hrdinova, Czech Republic

FACULTY

Silvia Magni-Manzoni, Italy
Clara Malattia, Italy
Linda Rossi-Semerano, France
Jelena Vojinovic, Serbia
Daniel Windschall, Germany
Christian Høst, Denmark
Stefano Lanni, Italy

SPECIAL GUEST FACULTY

Annamaria Iagnocco, EULAR President, Italy

HANDS-ON TUTORS

Stefano Lanni, Italy
Dragana Lazarevic, Serbia
Silvia Magni-Manzoni, Italy
Clara Malattia, Italy
Linda Rossi Semerano, France
Jelena Vojinovic, Serbia
Daniel Windschall, Germany
Christian Høst, Denmark

Course description

The course will focus on learning ultrasound physics, image acquisition, normal sonoanatomy and the standardised examination method in children as well as the applications of MSUS in children with juvenile idiopathic arthritis.

Learning Objectives

- to learn the principles and applications of MSUS in children
- ultrasound machine handling, setting optimisation and identification of artefacts
- to learn the normal sonographic pattern and sonoanatomy of musculoskeletal tissues in children
- to know the standardised ultrasound assessment of each musculoskeletal anatomic region in children
- to identify basic pathological MSUS findings in children
- to document images and to report ultrasound findings

COURSE PROGRAMME

Day 1- 23 September 2022

16.00-16.30: check in and registration

- 16.30-16.45: welcome, objectives and course content – **A. Iagnocco, S. Magni-Manzoni, J. Vojinovic, D. Windschall**

16.45-19.30: Chairs – J. Vojinovic, D. Windschall

- 16.45-17.10: Basic grey-scale and Doppler principles, artifacts and pitfalls **A. Iagnocco**
- 17.10-17.45: Application, indications and limitations of PedMSUS in pediatric rheumatology – **S.Magni-Manzoni**
- 17.45-18.10: Anatomic components, ultrasound pattern of musculoskeletal tissues in children and physiological vascularization of healthy joints in children – **D.Windschall**
- 18.10-18:30: Standardized MSUS scanning approach in paediatric rheumatology, definition of basic pathological findings – **J. Vojinovic**
- 18:30-19:30 Workshop (models) Supervised handling of the probe and optimisation of settings. US appearance of musculoskeletal tissues and structures in children (healthy children) – **All Faculty/Tutors**

20.00: dinner

Day 2- 24 September 2022

09.00-13.00: Chairs – C.Høst, C.Malattia

- 09.00-09.30: Sonoanatomy, standardised scanning and basic pathological findings of the child's knee – **D.Windschall**
- 09.30-10.00: Sonoanatomy, standardised scanning and basic pathological findings of the child's ankle and foot – **C.Malattia**
- 10.00-10.30: Sonoanatomy, standardised scanning and basic pathological findings of the hip – **C.Høst**
- **10.30-11.00: coffee break**
- 11.00-13.00: Workshop (hands-on) with models for standardised scanning of the hip, knee, ankle and foot; basic pathological findings – **All Faculty/Tutors**

13.00-14.30: lunch

14.30-19.15: Chairs S. Lanni, L.Rossi-Semerano

- 14.30-15.00: Sonoanatomy, standardised scanning and basic pathological findings of the child's shoulder – **S. Lanni**
- 15.00-15.30: Sonoanatomy, standardised scanning and basic pathological findings of the child's elbow – **L.Rossi-Semerano**
- 15.30-16.00: Sonoanatomy, standardised scanning and basic pathological findings of the child's wrist and hand – **S. Magni-Manzoni**
- **16.00-16.30: coffee break**
- 16:30-19:00: Workshop (hands-on) with models for standardised scanning of the shoulder, elbow, wrist and hand; basic pathological findings – **All Faculty/Tutors**

Day 3- 25 September 2022

09.00-12.45: Chairs – S.Magni-Manzoni, C.Malattia

- 09.00-09.40: MSUS of the child's entheses – **L.Rossi-Semerano**
- 09.40-10.10: PedMSUS incorporation into daily practice with cases – **C.Malattia/L.Rossi-Semerano**
- 10.10-10:30: Documentation of US images and report of US findings – **C.Høst**
- **10.30-10.45: coffee break**
- 10:45-12:45 Workshop (hands-on) for supervised scanning and Attendees' assessment of theoretical and practical skills on models - **All Faculty/Tutors**

12.45-13.00: closing remarks – **S.Magni-Manzoni, J.Vojinovic, D.Windschall.**