



PR_eS PAEDIATRIC MUSCULOSKELETAL ULTRASOUND COURSE BASIC LEVEL

Helsinki September 15-17, 2025
COURSE PROGRAMME

DAY 1 – 15 September 2025

14.00-14.30: check in and registration

- 14.30-14.45: welcome, objectives and course content – **Kristiina Aalto**, L. Rossi-Semerano, D.Windschall, S. Magni-Manzoni

14.45-19.00: Chairs – **S. Magni-Manzoni, D.Windschall**

- 14.45-15.15: Introduction on MSUS, basic grey-scale and Doppler physics, principles, artifacts and pitfalls – J.Roth
- 15.15-15.45: Knobology, orientation and optimization of the examination and machine settings +Live demo – machine settings to optimize US imaging – S.Lanni
- 15.45-16.30: Anatomic components, ultrasound pattern of musculoskeletal tissues in children and physiological vascularization of healthy joints in children C. Malattia (B-Mode), D. Windschall (Doppler)

16.30-17.00: coffee break

- 17.00-17.30: sonoanatomy, standardised scanning and basic pathological findings of the child's knee + Live demo – D. Windschall
- 17.30-19.00 Workshop (models) Supervised handling of the probe and optimisation of settings. US appearance of musculoskeletal tissues and structures in children (healthy children) – **All Faculty**

20.00: dinner

DAY 2 – 16 September 2025

09.00-13.00: Chairs – **L. Rossi-Semerano, C. Malattia**

- 09.00-09.30: Indications and limitations of MSUS in Pediatric Rheumatology – S. Magni-Manzoni
- 09.30-10.00: sonoanatomy, standardised scanning and basic pathological findings of the child's ankle and foot + Live demo – C. Malattia
- 10.00-10.30: sonoanatomy, standardised scanning and basic pathological findings of the hip + Live demo – C. Hoest

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**

13.00-14.00: lunch

14.00-19.15: Chairs – J. Roth, S. Lanni

- 14.00-14.30: sonoanatomy, standardised scanning and basic pathological findings of the child's shoulder + Live demo, S. Lanni
- 14.30-15.00: sonoanatomy, standardised scanning and basic pathological findings of the child's elbow + Live demo – L.Rossi-Semerano
- 15.00-15.30: documentation of US images and report of US findings – J. Rautavaara

15.30-16.00: coffee break+ photo of the course

- 16.00-18.00: workshop (hands-on) with models for standardised scanning of the shoulder, elbow, wrist and hand; basic pathological findings – **All Faculty**

DAY 3 – 17 September 2025

08.30-12.30: Chairs – C. Malattia, C. Hoest

- 08.30-09.10: MSUS of the child's entheses – J. Roth, L. Rossi-Semerano
- 09.00-09.30: sonoanatomy, standardised scanning and basic pathological findings of the child's wrist and hand + Live demo - S. Magni-Manzoni, D.Lazarevic
- 09.30-10.15: PedMSUS in daily practice – interesting cases. D.Lazarevic, L.Rossi-Semerano, S.Lanni

10.15-10.30: coffee break

- 10.30-12.00 workshop (hands-on) for supervised scanning and Attendees' assessment of theoretical and practical skills on models - All Faculty
- 12.00-12.20: **exit test and discussion** – L. Rossi-Semerano, D. Windschall.
- 12.20-12.30: closing remarks – S.Magni-Manzoni, C.Malattia, L.Rossi-Semerano, D.Windschall