

MINIMALLY INVASIVE NEURO-ORTHOPEDIC PROCEDURES GUIDED BY ULTRASOUND

University of Fribourg – Fribourg, Switzerland

FACULTY

Dr. Serdar Koçer, Course Director, (PMR, Switzerland)

Dr. Jonathan Bemporad (PMR, Italy)

Dr. François Droz-Bartholet (PMR, France)

Dr. Laure Gatin (Orthopedic Surgeon, France)

Pr. Christian Hammer (Anatomist, Switzerland)

THEORETICAL PROGRAM – 2H 55MIN

- Assessment of spastic patients and clinical decision-making (adults and children) (30 min)
- Dynamic EMG (surface and fine-wire) for therapeutic decision-making (30 min)
- Treatment of spasticity in complex cases and injection technique in difficult muscles (30 min)
- Selective motor nerve block in the assessment of spasticity (20 min)
- Long-acting selective motor nerve block for the treatment of spasticity and pain: Chemical and physical neurolysis (20 min)
- Percutaneous muscle tendon lengthening techniques: Indications, advantages and limitations (30 min)
- Management of shoulder pain in hemiplegic patients (15 min)

HANDS-ON PROGRAM – 7H 45MIN

- Anatomical review of the muscles and nerves of the upper and lower limbs (1h30 min) ●
- Ultrasound guided injection techniques in the upper and lower limb muscles (1h30 min) ●
- Nerve blocks for assessment and decision-making in neuro-orthopedic procedures (2h) ●
- Ultrasound-guided approaches to muscle and tendon lengthening (upper and lower limbs) (2h 45min) ●

DURATION OF TRAINING: 1.5 days (Friday morning to Saturday noon)

INTENDED FOR: Neurologists, PMR, Physiotherapists, Orthopedic Surgeons, Neurosurgeons, Paediatric Surgeons, Pain Specialists