



The 12th Congress of the
**EUROPEAN ACADEMY
OF PAEDIATRIC SOCIETIES**

EAPS

24-27 September 2026, Athens & Online



Procedural workshop

Friday, 25 September

14:30 – 16:00 (1 hour 30 min)

16:30 – 17:30 (1 hour)

Target Audience: Pediatricians from all subspecialties (40 spots available)

Duration: 2 hours 30

Format: Interactive lecture and hands-on sessions

Equipment:

- Intraosseous access Arrow® EZ-IO® with iv needle + stabilizer kit ref 9018P ref 9001P ref 9079P
- Training set of bone Arrow® EZ-IO® ref111
- Venous catheter 22G and 20G
- Blue Phantom Select™ 4-vessel
- Adult lumbar puncture simulator with ultrasound guidance
- Lumbar puncture simulator for adults Reference: M43B
- Paediatric lumbar puncture simulator Reference: LF01000
- Lumbar puncture needle, Pajunk:
 - 22G x 90 mm (3 1/2") 30 mm (1 1/5") 021151-30C and 021163-30C
 - 22G x 50 mm (2") 071151-30C and 071163-30C

- Set up an intraosseous device (IOD)

Participants will learn to:

- Review anatomical knowledge in children and adults
- Recognise the main indications for intraosseous access
- Recognise contraindications

Teaching programme



- Intraosseous Access
 - Anatomical and physiological principles
 - Review of insertion sites
- Indications for IOD in adults and children
- Review of the different IOD systems: manual, percussion and drill
- Learn how to insert using a drill
 - Handling
 - Insertion at different sites (humeral and femoral)
 - Verification
 - Principles of administering different fluids and medications
- Contraindications to IOD

- **Training in lumbar puncture (LP) and/or intrathecal injection**
Participants will learn to:
 - Become familiar with the recommendations
 - Review and update your theoretical knowledge of lumbar punctures
 - Explain the procedure to patients in simple terms and answer their questions
 - Perform a lumbar puncture using atraumatic needles
 - Perform subcutaneous local anaesthesia
 - Perform a lumbar puncture under ultrasound guidance
 - Measure cerebrospinal fluid pressure
 - Perform an intrathecal injection

- **Ultrasound guided Peripheral vascular access**
Participants will learn to:
 - Identify relevant vascular anatomy and landmarks
 - Select appropriate ultrasound equipment and settings
 - Acquire and interpret real-time ultrasound images of peripheral veins
 - Perform dynamic ultrasound-guided vascular cannulation
 - Recognize and minimize complications