

Pediatrics: Foundations EPA #7

Performing basic pediatric procedures

Key Features:

- This EPA includes determining which procedures are necessary and appropriate to the situation.
- Procedures include: bag valve mask ventilation; cardiopulmonary resuscitation (ventilation and massage, defibrillation in core); intraosseous injection; lumbar puncture in neonates and infants; changing tracheostomy tubes for obstruction or decannulation; needle thoracostomy in neonate.
- Some procedures may be observed in a clinical or simulation setting, including Pediatric Advanced Life Support (PALS) or Neonatal Resuscitation Program (NRP) courses, and/or mock codes.

Assessment plan:

Direct observation by supervisor

Use Form 2. Form collects information on:

- Procedure: bag valve mask ventilation; cardiopulmonary resuscitation (ventilation and massage); changing tracheostomy tubes for obstruction or decannulation; intraosseous injection; lumbar puncture; needle thoracostomy
- Setting: clinical; simulation
- Age: neonate; infant; preschool; school age; adolescent

Collect 12 observations of achievement (those marked with an asterisk may be observed in simulation).

- At least 4 bag valve mask ventilation in neonate/infant (no simulation), preschool* and school age/adolescent*
- At least 2 cardiopulmonary resuscitation*
- At least 1 changing tracheostomy tubes for obstruction or decannulation*
- At least 2 intraosseous injection*
- At least 2 lumbar punctures in neonates/infants
- At least 1 needle thoracostomy in neonate* (clinical setting recommended, but simulation is acceptable)

CanMEDS milestones

- 1 ME 3.2** Obtain and document informed consent, explaining the risks and rationale for a proposed procedure
- 2 ME 3.4** Gather and/or manage the availability of appropriate instruments and materials
- 3 ME 3.4** Position the patient appropriately
- 4 ME 3.4** Demonstrate aseptic technique: skin preparation; draping; establishing and respecting the sterile field; hand cleanse, mask, gown and glove

- 5 **ME 3.4 Select and provide sedation and local analgesia, as appropriate**
- 6 **ME 3.4 Handle sharps safely**
- 7 **ME 3.4 Perform the procedure in a skilful and safe manner**
- 8 **ME 3.4 Monitor patient comfort and safety, and adjust the procedure as needed**
- 9 **COL 1.2 Communicate effectively with patient and/or assistant(s) during the procedure**
- 10 **P 1.1 Work within personal limits, asking for assistance as needed**
- 11 **COM 5.1 Document the procedure and outcome**