

Pediatrics: Core EPA #9

Performing core pediatric procedures

Key Features:

- This EPA includes determining which procedures are necessary and appropriate to the situation.
- Procedures include: accessing port-a-cath; cardiopulmonary resuscitation (defibrillation); chest tube; ear curettage; G-tube reinsertion; immunization (intramuscular); immunization (subcutaneous); intubation; IV insertion; lumbar puncture with/without injection in preschool/school age child; managing occlusion in long-term access line; nasogastric tube; nasopharyngeal swab; obtaining an EKG; phlebotomy; surfactant administration; throat swab; umbilical arterial line; umbilical venous line; urinary catheterization
- Some procedures may be observed in a simulation setting, including Pediatric Advanced Life Support (PALS) or Neonatal Resuscitation Program (NRP) and/or mock codes.
- This EPA does not include other commonly performed procedures that are present in the other stages of training (Foundations).

Assessment plan:

Direct observation by supervisor

Use form 2. Form collects information on:

- Procedure: access port-a-cath; cardiopulmonary resuscitation (defibrillation); chest tube; ear curettage; G-tube reinsertion; immunization (intramuscular); immunization (subcutaneous); intubation; IV insertion; lumbar puncture with/without injection; manage occlusion in long-term access line; nasogastric tube; nasopharyngeal swab; obtain EKG; phlebotomy; surfactant administration; throat swab; umbilical arterial line; umbilical venous line; urinary catheterization
- Setting: clinical; simulation
- Age: neonate; infant; preschool; school age; adolescent
- Gender: female; male

Collect 33 observations of achievement (those marked with an asterisk may be observed in simulation).

- At least 1 access port-a-cath*
- At least 1 cardiopulmonary resuscitation (defibrillation)*
- At least 2 chest tubes*
- At least 2 ear curettage
- At least 1 G-tube reinsertion*
- At least 2 immunizations (intramuscular and subcutaneous)*
- At least 3 intubations in neonates/infants
- At least 2 IV insertions, including one infant/preschool age
- At least 2 lumbar puncture with/without injection in preschool age/school age
- At least 1 manage occlusion in long-term access line*
- At least 3 nasogastric tubes in neonates/school age

ENTRUSTABLE PROFESSIONAL ACTIVITIES FOR PEDIATRICS (2021)

- At least 1 nasopharyngeal swab
- At least 1 obtain EKG
- At least 3 phlebotomies
- At least 2 surfactant administration in neonate
- At least 1 throat swab
- At least 1 umbilical arterial line
- At least 2 umbilical venous line
- At least 2 urinary catheterization (1 in a boy; 1 in a girl)

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 ME 3.4** Establish and implement a plan for post-procedure care
- 12 ME 3.4 Recognize and manage complications**
- 13 COM 5.1 Document the procedure and outcome**