



# Entrustable Professional Activities

## Curricular Components Supporting EPA 5 for Pediatric Hematology-Oncology

### Curricular Components That Support the Functions of EPA 5: Demonstrate Competence in Performing and Interpreting Common Procedures of a Pediatric Hematologist/Oncologist

1. Applying medical knowledge that includes the anatomy, physiology, indications, risks, benefits, alternatives, and potential complications of each procedure
  - Knows the appropriate anatomy and physiology for the prescribed procedure
  - Knows the indications and alternatives for the prescribed procedure
  - Knows the potential complications of each procedure
  - Knows the cost of the prescribed procedures, including proper billing practices
2. Management of pre-procedural process for patients who require a procedure
  - Recognizes laboratory results that could influence anesthesia or procedural risk
  - Identifies medications or herbal substances that could impact safety concerns (e.g., anticoagulants) or impact interpretation of testing (e.g., steroids)
3. Demonstrating the requisite technical skills to safely and effectively perform the procedure
  - Knows the appropriate anatomy and physiology for the prescribed procedure
  - Identifies the purpose and differences of various equipment options and selects appropriate tools for procedure
  - Follows institutional guidelines for performing “time outs” and other safety checks prior to beginning procedures
  - Demonstrates technical skills required to perform prescribed procedure
  - Assures proper specimen handling and delivery to appropriate laboratories
4. Managing post-procedural complications
  - Recognizes complications such as infection, bleeding, and headache as potential complications
  - Prescribes appropriate management to mitigate complications
5. Managing pain and sedation for the procedure
  - Recognizes the need for sedation and analgesic control for prescribed procedures
  - Prescribes appropriate local and systemic analgesia
  - Works with sedation providers when indicated
6. Interpreting results of the procedure as indicated
  - Prescribes appropriate testing for the given clinical situation
  - Recognizes normal and abnormal features on bone marrow aspiration, bone marrow biopsy, and



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cerebrospinal fluid analyses

- Knows definitions of M1, M2, M3 in acute leukemias
- Knows definitions of CNS1, CNS2, CNS3 in acute leukemias
- Understands prognostic and clinical significance of CNS status

7. Communicating with the patient and family before the procedure to ensure informed consent and after the procedure to convey instructions for care and explanation of the results as indicated. Clearly documents a procedure note in the medical record

- Explains pre-procedure NPO status and recommendations for administration or withholding of medications as clinically indicated
- Explains to the patient and family the indications for the procedure as well as the risks and benefits of the procedure to ensure informed consent
- Communicates with other services, such as anesthesia, surgery, and medical subspecialists, to coordinate care
- Ensures follow through on plans that have been delegated to the nursing staff or resident team
- Supplies the patient and family with appropriate post-procedure care instructions
- Effectively conveys results of the procedure to the patient and family in the context of the clinical situation
- Documents the consent discussion, procedure note, and discussion of results in the medical record ensuring clarity and timeliness
- Maintains a procedure log

8. Demonstrating confidence that puts patients and families at ease

- Using cultural- and age-appropriate language, explains the indications, complications, and results of the procedure
  - Engages in closed loop communication for serious concerns regarding prescribed procedures
- EPA Authors

### Curricular Components Authors

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