Bone Marrow Aspirate and Biopsy Procedure

Name of the Fellow:

Successfully completed a bone marrow biopsy simulation course?

YES  NO  N/A

I. Procedure Preparation:
- List indications.
- Check labs, medications (including anticoagulants), and allergies.
- Determine type of sedation.
- Verify written consent.
- Order appropriate tests.
- Gather appropriate supplies.

II. Before Procedure:
- Verify correct patient and perform time out.
- Verify position and landmarks.
- Observe sterile technique.

III. Bone Marrow Aspirate/Biopsy
- Adequately numbs patient with lidocaine (local and at periosteum).
- Insert aspirate and/or biopsy needle perpendicular to skin with steady and straight insertion pressure.
- Bone marrow aspirate withdrawn in sufficient quantity in proper collection tubes. Spicules verified with first aspirate.
- Adequate bone marrow biopsy sample obtained.
- Able to troubleshoot as needed.
- Pressure applied to achieve initial hemostasis.
- Bandage applied to insertion site.

Competency per Milestones 2.0
- Level 1- Consistently completes all of I independently, and completes II and III with assistance
- Level 2- Consistently completes all of I and II independently, but regularly needs some assistance with III or completed the bone marrow biopsy simulation course
- Level 3- Consistently completes all of I and II independently, but occasionally needs some assistance with III
- Level 4- Consistently completes all of I, II and III independently
- Level 5- Consistently completes all of I, II and III independently and performed > 20 procedures
### Patient Care 5: Competence in Procedures:
- Performance of Bone Marrow Biopsies and Aspirations
- Assessment and Interpretation of Complete Blood Count
- Interpretation of Peripheral Blood Smears
- Use of Systemic Therapies through all Therapeutic Routes

<table>
<thead>
<tr>
<th>Level 1</th>
<th>Level 2</th>
<th>Level 3</th>
<th>Level 4</th>
<th>Level 5</th>
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</thead>
<tbody>
<tr>
<td>Discusses the indications for and assists with all required procedures</td>
<td>Performs all required procedures, with direct supervision</td>
<td>Competently performs all required procedures, with indirect supervision</td>
<td>Proficiently and independently performs all required procedures</td>
<td>Serves as an expert for all required procedures and their complications</td>
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<tr>
<td>Discusses potential procedural complications</td>
<td>Recognizes complications of procedures and enlists help</td>
<td>Manages complications of procedures, with supervision</td>
<td>Anticipates and independently manages complications of procedures</td>
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**Comments:**
- Not Yet Completed Level 1
- Not Yet Assessable