New Directions for Internal Medicine Procedures: 2015
St. Vincent Hospital, Indianapolis, Indiana
Laura Hampton, M.D.

Select few procedures that the ABIM requires performance in:
- ACLS
- Drawing venous and arterial blood
- Placing peripheral venous lines
- Pap smear/endocervical culture

Procedures that the ABIM requires knowledge of: This includes indications, contraindications, recognition and management of complications, pain management, sterile techniques, result interpretation, and ability to obtained informed consent. Program directors must attest to their residents’ knowledge of these procedures.
- All procedures listed above
- Abdominal paracentesis
- Arterial line placement
- Arthrocentesis
- Central venous line placement
- Incision and drainage of abscess
- Lumbar puncture
- Pulmonary artery catheter placement
- NG intubation
- Thoracentesis

Evaluation Chart: Our program’s requirements and how they correspond to PLBI ratings:

<table>
<thead>
<tr>
<th>PC-4 Rating</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-1.5</td>
<td>Critical deficiencies: Attempts to perform procedures without technical skills or supervision. Places patients at potential risk. Unwilling to perform procedures when necessary for patient care.</td>
</tr>
<tr>
<td>2</td>
<td>Level expected of a beginning intern. Possesses insufficient technical skill for completion of most common procedures. Demonstrates appropriate learning behaviors.</td>
</tr>
<tr>
<td>2.5</td>
<td>Making progress towards intern year requirements.</td>
</tr>
<tr>
<td>3</td>
<td>Level expected of a matriculating intern. Possesses basic technical skill for the completion of some common procedures. Prerequisites include certification to perform internal jugular central lines, arterial lines, and endotracheal intubations. Online knowledge tests for these 3 procedures must be completed. Progress is being made towards other procedures.</td>
</tr>
<tr>
<td>3.5</td>
<td>Making progress towards independent practice.</td>
</tr>
<tr>
<td>4</td>
<td>Level expected of a graduating resident prepared for independent practice. Possesses technical skill and has successfully performed all procedures required. Prerequisites include (in addition to intern year expectations) certification in pap smear performance, and successful completion of all 7 online knowledge tests.</td>
</tr>
<tr>
<td>4.5-5</td>
<td>Aspirational rating for residents who have gone above and beyond what is expected for independent practice. Those who serve as role models for others. Residents who have successfully performed large quantities of procedures necessary for patient care, and those who have performed and obtained certification in additional procedures beyond what is required.</td>
</tr>
</tbody>
</table>

Program Specific Requirements:
Though they are not required by the ABIM, our program requires performance certification in internal jugular central lines, arterial lines, and intubations by the end of intern year. We feel that performance of these procedures is essential to our residents’ role as senior ICU resident.

Residents are expected to be active participants in any internal medicine procedures which their patients require with appropriate faculty supervision.

We also require successful completion of online tests created by our program that reinforce comprehensive knowledge of procedures. Our procedure tests serve as both a teaching resource with immediate feedback and opportunity to retake if necessary, and also an objective measure that allows our program director to attest to our residents’ knowledge.
PROCEDURE CERTIFICATION CARD (front)

RESIDENT PHYSICIAN: _____________________________
PROCEDURE: ___________________________________
COMPLETED ONLINE PROCEDURE TEST? (required for certification of specified procedures on back)
CIRCLE:               YES       NO  N/A
PERFORMED PREREQUISITE NUMBER? (see back)
CIRCLE:               YES       NO

ATTENDING PHYSICIAN:
I attest that I have directly observed the resident perform this procedure, and certify that he/she has demonstrated appropriate knowledge and technical skills to perform this procedure competently and independently.

ATTENDING SUPERVISOR (print): ____________________
ATTENDING SIGNATURE: ___________________________
DATE: __________________________________________

Note to attending: Please immediately log on to New Innovations
https://www.new-innov.com/login. On your home screen (house icon) select the resident in the drop down "Evaluate Subject" box and complete the "Direct Observation of Procedure" form.
<table>
<thead>
<tr>
<th>Procedure</th>
<th>Min. # Required*</th>
<th>Prereq. For PGY-2?</th>
<th>Prereq. For Graduation?</th>
</tr>
</thead>
<tbody>
<tr>
<td>IJ Central Line</td>
<td>5**</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Endotracheal Intubation</td>
<td>5</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Arterial Catheter Insertion (radial or femoral)</td>
<td>3</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Pap test</td>
<td>3</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>All other procedures</td>
<td>3</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

*Performance of the minimum number required does not equate with competency, but is the minimum number of successful procedures a resident must accomplish before requesting certification. Final certification is at the discretion of the supervising attending physician.

**After obtaining certification in IJ central lines, the resident may optionally proceed with certification in subclavian or femoral central lines. A minimum of 3 each must be obtained prior to requesting certification.

Note: Online procedure tests are required for central lines, intubation, arterial lines, thoracentesis, paracentesis, arthrocentesis, and lumbar puncture prior to certification.