

## PROCEDURE COMPETENCY REQUIREMENT

Target: PGY 1-3

Updated October 2021

### A. EDUCATIONAL OVERVIEW

The practice of Internal Medicine includes the knowledge and performance of procedures in the diagnosis and management of medical conditions. The goal of this requirement is to ensure residents acquire procedural knowledge, have opportunities to perform and develop competency in these procedures, and prepare residents for future career paths. This requirement is necessary for ABIM certification.

### B. BACKGROUND

In concordance with the March 2020 requirements for ABIM certification, the UCLA-Olive View Internal Medicine Residency Program Evaluation Committee has created more career-specific procedural competency requirements.

For most hospital credentialing and fellowship training, more specific procedural competency is required. The recommended procedures are needed for credentialing or to be competitive in the marketplace. Therefore, we have delineated specific recommendations for different career pathways.

### C. PROCEDURES

#### 1. Logging Procedures

Every procedure must be logged by the resident in MedHub and signed off by the supervising faculty or designated faculty member.

- Each log entry requires the (1) name of the procedure, (2) patient's MRN, (3) name of supervising provider, and (4) the level of participation (see below).
- Procedures should be logged even if the procedure requirement has already been fulfilled.
- Procedures performed at affiliated sites (Ronald Reagan-UCLA Medical Center, Santa Monica-UCLA Medical Center, West Los Angeles VA) count toward procedural requirements. Procedures performed outside of the affiliated sites will not count towards procedural requirements.

#### 2. Achieving Competency for a Specific Procedure

The resident must successfully perform the minimum number required, log each of these procedures, and obtain a **Procedural Attestation** from a supervising faculty member.

- The **Procedural Attestation** requires direct observation of the resident performing the procedure. It states that the resident has completed the minimum number of procedures required (see Procedure-Specific Competency Requirements) and is now proficient to independently perform that procedure. The resident must request the Procedural Attestation from the faculty supervisor.
- In many cases, the resident may want to perform more than the minimum number required before requesting evaluation for competency.
- The resident may only perform the procedure independently after all the requirements for the procedure have been certified by the Program. In addition, to perform the procedure at Olive

View-UCLA Medical Center, the resident must be searchable by staff on the competency list (GME section of Olive View intranet website).

### 3. Eligibility for Procedural Certification

The resident must have completed all the requirements in the Primary Care or Hospitalist bundle in Requirement B.

## D. REQUIREMENTS

### 1. Program Graduation Requirement

Each categorical resident must successfully complete Requirement A and Requirement B in order to graduate from the training program.

Competency in any specific procedure can be achieved regardless of the requirement or recommendation in Requirement B; see Procedure-Specific Competency Requirements.

### 2. Requirement A

Every resident must demonstrate the ability to:

**Effectively and independently perform the following:**

- Discuss the indications and contraindications
- Discuss the risks and complications
- Obtain consent
- Perform standard/universal precautions
- Perform a timeout
- Establish a sterile field
- Apply local anesthetic

**For each of the following common internal medicine procedures:**

- Lumbar Puncture
- Central Line Insertion
- Paracentesis
- Intraosseous Line Insertion
- Arterial Line Insertion

An online module has been developed for residents to fulfill this requirement. Residents will be assigned to the online module, which includes video instruction and knowledge assessment. A certificate will be awarded to demonstrate successful completion.

### 3. Requirement B

Every resident must select one of the procedure bundles and complete its requirements. A few procedures may be listed as recommended but not required for completion.

- The **General Internist** bundle is the minimum expectation for all residents, focusing on specific instruction and participation in procedures common to internal medicine practice.
- The **Primary Care, Hospitalist, and Subspecialty Fellowship** bundles focus on achieving procedural competency based on the resident's career path. Even if the resident does not complete all their requirements, these bundles can be used as a recommended skill set for future practice.

Procedure Competency Requirement

**Requirement B Bundles**

	<b>General Internist Bundle</b>	OR	<b>Primary Care Bundle</b> Eligible for certification	OR	<b>Hospitalist Bundle</b> Eligible for certification	OR	<b>Subspecialty Fellowship Bundle</b> Eligible for certification
<b>BLS</b>	☆		☆		☆		☆
<b>ACLS</b>	☆		☆		☆		☆
<b>Pap Smear</b>	P P P P ☆		P P P P ☆		P P P P ☆		P P P P ☆
<b>Lumbar Puncture</b>	V S/O/A/P O/A/P O/A/P		V S/A/P A/P A/P		V S/P P ☆		V S/P P ☆
<b>Paracentesis</b>	V S/O/A/P O/A/P O/A/P		V S/A/P A/P A/P		V S/P P ☆		V S/P P ☆
<b>Central Line Insertion</b>	V S/O/A/P O/A/P O/A/P		V S/A/P A/P A/P		V S/P P P P ☆		V S/P P P P ☆
<b>Peripheral IV Insertion</b>	O/A/P O/A/P O/A/P		O/A/P O/A/P O/A/P		O/A/P P P		O/A/P P P
<b>Intraosseous Line or Ultrasound-guided Peripheral IV Insertion</b>	V S/A/P O/A/P O/A/P		V S/A/P O/A/P O/A/P		V S/P P ☆		V S/P P ☆
<b>Arterial Line Insertion</b>	V O/A/P O/A/P O/A/P		V O/A/P O/A/P O/A/P		V O/A/P O/A/P O/A/P		V O/A/P O/A/P O/A/P
<b>Arterial Blood Gas Draw</b>					P P ☆		P P ☆
<b>Arthrocentesis</b>							
<b>Knee Aspiration</b>	S/O/A/P O/A/P O/A/P		S/P P ☆		S/O/A/P O/A/P O/A/P <small>(recommended; not required)</small>		S/O/A/P O/A/P O/A/P
<b>Knee Injection</b>			P P ☆				
<b>Incision &amp; Drainage</b>			P P ☆		O/A/P P P <small>(recommended; not required)</small>		
<b>Skin Biopsy</b>			P P ☆				
<b>Splinting or Casting</b>			P P ☆				
<b>Laceration Repair</b>			P P P <small>(recommended; not required)</small>				

V = video and knowledge assessment, O = observed, A = assisted, P = performed, S = simulated, ☆ = certified or achieved competency

**a. Levels of Participation / Legend:**

<b>Abbreviation</b>	<b>Level of Participation</b>	<b>Description</b>
<b>V</b>	Video and Knowledge Assessment	Online modules and passing test score (part of Requirement A)
<b>O</b>	Observed	Resident observed procedure being successfully performed
<b>A</b>	Assisted	Resident assisted another person performing procedure
<b>P</b>	Performed	Resident successfully completed procedure on patient
<b>S</b>	Simulated	Resident successfully completed simulation of procedure
☆	Certified or Achieved Competency	See Procedure-Specific Competency Requirements

**E. PROCEDURE-SPECIFIC COMPETENCY REQUIREMENTS**

Each procedure has a minimum required number to be performed successfully for the resident to be considered competent in that procedure. In general, one simulated procedure may count towards this number. See the Procedures section for instructions on achieving competency and approval to perform the procedure independently.

<b>Procedure</b>	<b>Minimum Required for Competency</b>
<b>Pap Smears</b>	5
<b>Lumbar Puncture</b>	3
<b>Paracentesis</b>	3
<b>Thoracentesis</b>	3
<b>Central Line Insertion</b>	5
<b>Intraosseous Line Insertion</b>	3
<b>Ultrasound-guided Peripheral IV Insertion</b>	3
<b>Arterial Line Insertion</b>	3
<b>Arterial Blood Gas Draw</b>	3
<b>Peripheral IV Insertion</b>	5
<b>Intraarticular Knee Aspiration or Injection</b>	3
<b>Incision &amp; Drainage</b>	3
<b>Skin Biopsy</b>	3
<b>Splinting or Casting</b>	3
<b>Laceration Repair</b>	3

## F. RESOURCES

### 1. Online Modules

Residents will be given personal access and assigned the online videos on the residency website at [www.oliveviewim.org](http://www.oliveviewim.org). The modules include required videos.

### 2. Instructional Videos

Assigned videos can also be viewed separately through the New England Journal of Medicine website through the UCLA VPN.

Procedure	Video Link
<b>Central Venous Catheterization:</b>	<a href="https://www.nejm.org/doi/full/10.1056/NEJMvcm055053">https://www.nejm.org/doi/full/10.1056/NEJMvcm055053</a> (V)
<b>Abdominal Paracentesis:</b>	<a href="https://www.nejm.org/doi/full/10.1056/NEJMvcm062234">https://www.nejm.org/doi/full/10.1056/NEJMvcm062234</a> (V)
<b>Lumbar Puncture:</b>	<a href="https://www.nejm.org/doi/full/10.1056/NEJMvcm054952">https://www.nejm.org/doi/full/10.1056/NEJMvcm054952</a> (V)
<b>Thoracentesis:</b>	<a href="https://www.nejm.org/doi/full/10.1056/NEJMvcm053812">https://www.nejm.org/doi/full/10.1056/NEJMvcm053812</a>
<b>Arterial Line Insertion:</b>	<a href="https://www.nejm.org/doi/full/10.1056/NEJMvcm044149">https://www.nejm.org/doi/full/10.1056/NEJMvcm044149</a> (V)
<b>Arterial Blood Draw:</b>	<a href="https://www.nejm.org/doi/full/10.1056/NEJMvcm0803851">https://www.nejm.org/doi/full/10.1056/NEJMvcm0803851</a>
<b>Peripheral IV Insertion:</b>	<a href="https://www.nejm.org/doi/full/10.1056/NEJMvcm0706789">https://www.nejm.org/doi/full/10.1056/NEJMvcm0706789</a>
<b>Ultrasound-guided Peripheral IV Insertion:</b>	<a href="https://www.nejm.org/doi/full/10.1056/NEJMvcm1005951">https://www.nejm.org/doi/full/10.1056/NEJMvcm1005951</a>
<b>Intraosseous Line Insertion:</b>	<a href="https://www.youtube.com/watch?v=PgXN2EVawYQ">https://www.youtube.com/watch?v=PgXN2EVawYQ</a> (V) <a href="https://www.youtube.com/watch?v=Vrnbq830xCo">https://www.youtube.com/watch?v=Vrnbq830xCo</a> (V) <a href="https://www.nejm.org/doi/full/10.1056/NEJMvcm1211371">https://www.nejm.org/doi/full/10.1056/NEJMvcm1211371</a>
<b>Punch Biopsy of Skin:</b>	<a href="https://www.nejm.org/doi/full/10.1056/NEJMvcm1105849">https://www.nejm.org/doi/full/10.1056/NEJMvcm1105849</a>
<b>Abscess Incision &amp; Drainage:</b>	<a href="https://www.nejm.org/doi/full/10.1056/NEJMvcm071319">https://www.nejm.org/doi/full/10.1056/NEJMvcm071319</a>
<b>Arthrocentesis of Knee:</b>	<a href="https://www.nejm.org/doi/full/10.1056/NEJMvcm051914">https://www.nejm.org/doi/full/10.1056/NEJMvcm051914</a>