

## Procedure Competency Assessment Tool – Arterial Cannulation

Provider: \_\_\_\_\_

Date: \_\_\_\_\_

Procedure:        ☐ 36620 Arterial cannulation        ☐ 76937 Ultrasound guidance for vascular access

Site:                ☐ Radial                ☐ Brachial                ☐ Femoral

How many of this procedure have you completed thus far? \_\_\_\_\_

Please circle the descriptor corresponding to the candidate's performance in each category, **irrespective of the training level**.

### Indication/Informed Consent:

Novice		Competent		Expert
Not sure of the patient's history, context of the procedure, or has knowledge gaps in procedure contraindications or potential complications		Understands the general indications, contraindications, potential complications, and clinical value of procedure; able to explain to patient		Clearly articulates the clinical value, potential complications, and alternatives to patient; able to accurately answer all patient questions to obtain informed consent

### Knowledge of Specific Procedure:

Novice		Competent		Expert
Deficient knowledge; unable to articulate procedure steps		Able to articulate all important steps of procedure		Demonstrates familiarity with all aspects of procedure

### Procedure Setup:

Novice		Competent		Expert
Does not gather required supplies, poor patient positioning, poor sterile technique, or does not properly identify landmarks		Gathers key instruments and supplies; properly positions patient; identifies landmarks; maintains sterile technique		Anticipates supplies needed for unexpected complications; ergonomic setup of all instruments and supplies

### Ultrasound Transducer Use: ☐ Not Applicable

Novice		Competent		Expert
Unsure of orientation and alignment of transducer		Properly orients and scans with the transducer to acquire images needed		Rapidly orients and scans with the transducer to acquire images needed

### Recognition of Key Ultrasound Findings: ☐ Not Applicable

Novice		Competent		Expert
Has difficulty identifying intended artery for cannulation, or differentiating from veins, nerves, or other structures		Identifies intended artery for cannulation and nearby structures to avoid; visualizes needle position relative to artery in short axis		Rapidly and accurately identifies all relevant structures; visualizes needle position relative to artery in long axis

## Procedure Competency Assessment Tool – Arterial Cannulation

### Needle Positioning:

Novice		Competent		Expert
Corrections needed to properly position and direct needle/catheter		Independently positions and directs needle/catheter, repositioning or redirecting as needed		Easily positions and directs needle/catheter without need for repositioning or redirection

### Flow of Procedure:

Novice		Competent		Expert
Frequently stops procedure and seems unsure of next move		Demonstrates some forward planning with reasonable progression of procedure		Obviously plans course of procedure with effortless flow from one move to the next

### Management of Complications: [ ] Not Applicable

Novice		Competent		Expert
Does not recognize or appropriately address developing complication; does not appropriately halt procedure with failed attempts		Recognizes and appropriately addresses developing complication; halts the procedure appropriately		Immediately recognizes developing complication; manages with precise direction and without hesitation

Overall on this task did the provider demonstrate competency to perform this procedure independently?

Yes \_\_\_\_\_ No \_\_\_\_\_

Comments:

---

---

---

---

Attending Name (Print): \_\_\_\_\_ Signature/Date: \_\_\_\_\_