**Arterial Puncture**

**Setting:**  
- [ ] Lab  
- [ ] Clinical

**Conditions (describe):**

______________________________

______________________________

**Equipment Used**

______________________________

______________________________

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**Equipment and Patient Preparation**

**NOTE:** *Never recap needle.* Any needle stick *must* be reported.

1. Verifies, interprets, and evaluates physician’s order or protocol  
   - [ ] Satisfactory  
   - [ ] Unsatisfactory  
   - [ ] Not applicable  

2. Scans chart for diagnosis, anticoagulant therapy, oxygen concentration, ventilator settings, and allergies if using local anesthetic  
   - [ ] Satisfactory  
   - [ ] Unsatisfactory  
   - [ ] Not applicable  

3. Selects, gathers, and assembles the necessary equipment  
   - [ ] Satisfactory  
   - [ ] Unsatisfactory  
   - [ ] Not applicable  

4. Washes hands and applies standard precautions and transmission-based isolation procedures as appropriate  
   - [ ] Satisfactory  
   - [ ] Unsatisfactory  
   - [ ] Not applicable  

5. Identifies patient, introduces self and department  
   - [ ] Satisfactory  
   - [ ] Unsatisfactory  
   - [ ] Not applicable  

6. Explains purpose of the procedure and confirms patient understanding  
   - [ ] Satisfactory  
   - [ ] Unsatisfactory  
   - [ ] Not applicable  

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**Assessment and Implementation**

7. Palpates pulse on both arms to determine best puncture site; uses nondominant hand, if possible  
   - [ ] Satisfactory  
   - [ ] Unsatisfactory  
   - [ ] Not applicable  

8. Performs modified Allen’s test; if negative, repeats on other arm  
   - [ ] Satisfactory  
   - [ ] Unsatisfactory  
   - [ ] Not applicable  

9. Prepares the puncture site by rubbing vigorously in circular motion away from puncture site with an antiseptic solution for at least 30 sec; disinfects gloved fingers used for palpation  
   - [ ] Satisfactory  
   - [ ] Unsatisfactory  
   - [ ] Not applicable  

10. Administers anesthetic if ordered  
    - [ ] Satisfactory  
    - [ ] Unsatisfactory  
    - [ ] Not applicable  

11. Repalpates and positions puncture site by extending wrist; places self and patient in comfortable position  
    - [ ] Satisfactory  
    - [ ] Unsatisfactory  
    - [ ] Not applicable  

12. Correctly performs the puncture:  
    a. Sets the plunger on a self-venting syringe to obtain the desired amount of blood (enough for repeated analysis)  
       - [ ] Satisfactory  
       - [ ] Unsatisfactory  
       - [ ] Not applicable  
    b. Holds the syringe at 45-degree angle, needle bevel up  
       - [ ] Satisfactory  
       - [ ] Unsatisfactory  
       - [ ] Not applicable  
    c. Slowly inserts needle between second and third skin fold on wrist; safely reangles needle if necessary  
       - [ ] Satisfactory  
       - [ ] Unsatisfactory  
       - [ ] Not applicable  

13. Obtains sample; removes needle and immediately applies pressure with sterile gauze  
    - [ ] Satisfactory  
    - [ ] Unsatisfactory  
    - [ ] Not applicable  

14. Corks needle with rubber stopper or automatic capping device  
    - [ ] Satisfactory  
    - [ ] Unsatisfactory  
    - [ ] Not applicable  

15. Maintains pressure on the puncture site for a minimum of 3 to 5 min; 10 min or longer if patient has bleeding disorder or uses anticoagulants  
    - [ ] Satisfactory  
    - [ ] Unsatisfactory  
    - [ ] Not applicable  

16. Checks puncture site for bleeding, swelling, discoloration, return of pulse proximal and distal to puncture site; ensures patient safety and comfort  
    - [ ] Satisfactory  
    - [ ] Unsatisfactory  
    - [ ] Not applicable  

17. Expels any air from sample following OSHA guidelines, using gauze pad or automatic venting cap  
    - [ ] Satisfactory  
    - [ ] Unsatisfactory  
    - [ ] Not applicable  

18. Labels sample and charge ticket appropriately with date, time, patient identification, F2O2 puncture site, Allen’s test results, ventilator settings (if applicable), and technician or therapist signature; places in iced, sealed container for transport  
    - [ ] Satisfactory  
    - [ ] Unsatisfactory  
    - [ ] Not applicable  

19. Cleans any blood spills with sodium hypochlorite solution  
    - [ ] Satisfactory  
    - [ ] Unsatisfactory  
    - [ ] Not applicable  

20. Disposes of infectious waste and washes hands; changes gloves before transport of sample  
    - [ ] Satisfactory  
    - [ ] Unsatisfactory  
    - [ ] Not applicable  

21. Records pertinent data in chart and departmental records  
    - [ ] Satisfactory  
    - [ ] Unsatisfactory  
    - [ ] Not applicable  

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22. Notifies appropriate personnel and makes any necessary recommendations or modifications to the respiratory care plan

23. Rechecks puncture site after 20 min if pressure bandage used

Signature of Evaluator ___________________________ Signature of Student ___________________________
### PERFORMANCE RATING SCALE

<table>
<thead>
<tr>
<th>Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>EXCELLENT – FAR EXCEEDS EXPECTED LEVEL, FLAWLESS PERFORMANCE</td>
</tr>
<tr>
<td>4</td>
<td>ABOVE AVERAGE – NO PROMPTING REQUIRED, ABLE TO SELF-CORRECT</td>
</tr>
<tr>
<td>3</td>
<td>AVERAGE – THE MINIMUM COMPETENCY LEVEL, NO CRITICAL ERRORS</td>
</tr>
<tr>
<td>2</td>
<td>IMPROVEMENT NEEDED – PROBLEM AREAS EXIST; CRITICAL ERRORS, CORRECTIONS NEEDED</td>
</tr>
<tr>
<td>1</td>
<td>POOR AND UNACCEPTABLE PERFORMANCE – GROSS INACCURACIES, POTENTIALLY HARMFUL</td>
</tr>
</tbody>
</table>

### PERFORMANCE CRITERIA

<table>
<thead>
<tr>
<th>Criterion</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Displays knowledge of essential concepts</td>
<td>5 4 3 2 1</td>
</tr>
<tr>
<td>2. Demonstrates the relationship between theory and clinical practice</td>
<td>5 4 3 2 1</td>
</tr>
<tr>
<td>3. Follows directions, exhibits sound judgement, and demonstrates attention to safety and detail</td>
<td>5 4 3 2 1</td>
</tr>
<tr>
<td>4. Exhibits the required manual dexterity</td>
<td>5 4 3 2 1</td>
</tr>
<tr>
<td>5. Performs procedure in a reasonable time frame</td>
<td>5 4 3 2 1</td>
</tr>
<tr>
<td>6. Maintains sterile or aseptic technique</td>
<td>5 4 3 2 1</td>
</tr>
<tr>
<td>7. Initiates unambiguous goal-directed communication</td>
<td>5 4 3 2 1</td>
</tr>
<tr>
<td>8. Provides for adequate care and maintenance of equipment and supplies</td>
<td>5 4 3 2 1</td>
</tr>
<tr>
<td>9. Exhibits courteous and pleasant demeanor</td>
<td>5 4 3 2 1</td>
</tr>
<tr>
<td>10. Maintains concise and accurate records</td>
<td>5 4 3 2 1</td>
</tr>
</tbody>
</table>

### ADDITIONAL COMMENTS: Include errors of omission or commission, communicative skills, and effectiveness of patient interaction:

### SUMMARY PERFORMANCE EVALUATION AND RECOMMENDATIONS

**SATISFACTORY PERFORMANCE** – Performed without error or prompting, or able to self-correct, no critical errors.

- _______ LABORATORY EVALUATION. SKILLS MAY BE APPLIED/OBSERVED IN THE CLINICAL SETTING.
- _______ CLINICAL EVALUATION. STUDENT READY FOR MINIMALLY SUPERVISED APPLICATION AND REFINEMENT.

**UNSATISFACTORY PERFORMANCE** – Prompting required; performed with critical errors, potentially harmful.

- _______ STUDENT REQUIRES ADDITIONAL LABORATORY PRACTICE.
- _______ STUDENT REQUIRES ADDITIONAL SUPERVISED CLINICAL PRACTICE.

### SIGNATURES

STUDENT: ___________________________ EVALUATOR: ___________________________

DATE: ___________________________ DATE: ___________________________