

PROCEDURAL COMPETENCY EVALUATION

Name _____

Date _____

Arterial Line Sampling

Setting: Lab Clinical

Evaluator: Peer Instructor

Conditions (describe): _____

Equipment Used

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Equipment and Patient Preparation

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|--------------------------|
| 1. Verifies, interprets, and evaluates physician's order or protocol and F ₁ O ₂ and ventilator settings | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Scans chart for any pertinent data and notes, including diagnosis | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Selects, gathers, and assembles the necessary equipment | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Washes hands and applies standard precautions and transmission-based isolation procedures as appropriate | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Identifies patient, introduces self and department | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Explains purpose of the procedure and confirms patient understanding | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Assessment and Implementation

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|--------------------------|
| 7. Observes cardiac monitor for shape and height of arterial waveform | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Identifies line/intraflow device | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Aspirates flush into waste syringe; removes cap from stopcock hub: | | | | |
| a. Wipes hub with alcohol | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Places cap aseptically on drape or gauze | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Attaches unheparinized syringe and turns stopcock off to intraflow | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Places gauze under the stopcock while aspirating approximately until flush solution removed and whole blood appears in syringe from the patient line | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| e. Turns stopcock off to syringe | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| f. Removes syringe and discards in sharps container | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Aspirates sample | | | | |
| a. Sets plunger of self-venting syringe for desired amount of blood (enough for repeated analysis) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Secures heparinized syringe on Luer-Lok hub | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Reopens stopcock; collects sample | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Turns stopcock off to syringe and removes syringe | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Caps syringe, removes air bubbles following OSHA guidelines | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. Labels sample, places in sealed container | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 13. Maintains line: using intraflo, with stopcock turned toward Luer-Lok, flushes the line to the patient for one pass of the screen | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 14. Turns stopcock off to the patient; places gauze under hub; pulls the intraflow to flush the stopcock hub | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 15. Turns the stopcock off to the Luer-Lok; wipes hub with alcohol; replaces cap on hub; checks waveform | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Follow-up

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|--------------------------|
| 16. Ensures patient comfort and safety | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
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17. Maintains/processes equipment: discards all disposables; disposes of sharps in puncture-proof container; sends blood to be analyzed after filling in date, time, F₁O₂, site, ventilation, setting on charge tickets, technician signature

18. Disposes of infectious waste and washes hands

19. Records pertinent data in chart and departmental records

20. Notifies appropriate personnel and makes any necessary recommendations or modifications to the patient care plan

Signature of Evaluator

Signature of Student

PERFORMANCE RATING SCALE

- 5** EXCELLENT – FAR EXCEEDS EXPECTED LEVEL, FLAWLESS PERFORMANCE
- 4** ABOVE AVERAGE – NO PROMPTING REQUIRED, ABLE TO SELF-CORRECT
- 3** AVERAGE – THE MINIMUM COMPETENCY LEVEL, NO CRITICAL ERRORS
- 2** IMPROVEMENT NEEDED – PROBLEM AREAS EXIST; CRITICAL ERRORS, CORRECTIONS NEEDED
- 1** POOR AND UNACCEPTABLE PERFORMANCE – GROSS INACCURACIES, POTENTIALLY HARMFUL

PERFORMANCE CRITERIA

SCALE

1. DISPLAYS KNOWLEDGE OF ESSENTIAL CONCEPTS	5	4	3	2	1
2. DEMONSTRATES THE RELATIONSHIP BETWEEN THEORY AND CLINICAL PRACTICE	5	4	3	2	1
3. FOLLOWS DIRECTIONS, EXHIBITS SOUND JUDGEMENT, AND DEMONSTRATES ATTENTION TO SAFETY AND DETAIL	5	4	3	2	1
4. EXHIBITS THE REQUIRED MANUAL DEXTERITY	5	4	3	2	1
5. PERFORMS PROCEDURE IN A REASONABLE TIME FRAME	5	4	3	2	1
6. MAINTAINS STERILE OR ASEPTIC TECHNIQUE	5	4	3	2	1
7. INITIATES UNAMBIGUOUS GOAL-DIRECTED COMMUNICATION	5	4	3	2	1
8. PROVIDES FOR ADEQUATE CARE AND MAINTENANCE OF EQUIPMENT AND SUPPLIES	5	4	3	2	1
9. EXHIBITS COURTEOUS AND PLEASANT DEMEANOR	5	4	3	2	1
10. MAINTAINS CONCISE AND ACCURATE RECORDS	5	4	3	2	1

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: _____

