

PROCEDURAL COMPETENCY EVALUATION

Name _____

Date _____

Arterial Puncture

Setting: Lab Clinical

Evaluator: Peer Instructor

Conditions (describe): _____

Equipment Used

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Equipment and Patient Preparation

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

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|---|--------------------------|--------------------------|--------------------------|--------------------------|
| 1. Verifies, interprets, and evaluates physician's order or protocol | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Scans chart for diagnosis, anticoagulant therapy, oxygen concentration, ventilator settings, and allergies if using local anesthetic | <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. Palpates pulse on both arms to determine best puncture site; uses nondominant hand, if possible | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Performs modified Allen's test; if negative, repeats on other arm | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 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 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Administers anesthetic if ordered | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Repalpates and positions puncture site by extending wrist; places self and patient in comfortable position | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 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) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Holds the syringe at 45-degree angle, needle bevel up | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Slowly inserts needle between second and third skin fold on wrist; safely reangles needle if necessary | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 13. Obtains sample; removes needle and immediately applies pressure with sterile gauze | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 14. Corks needle with rubber stopper or automatic capping device | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 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 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 16. Checks puncture site for bleeding, swelling, discoloration, return of pulse proximal and distal to puncture site; ensures patient safety and comfort | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 17. Expels any air from sample following OSHA guidelines, using gauze pad or automatic venting cap | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 18. Labels sample and charge ticket appropriately with date, time, patient identification, F ₁ O ₂ puncture site, Allen's test results, ventilator settings (if applicable), and technician or therapist signature; places in iced, sealed container for transport | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 19. Cleans any blood spills with sodium hypochlorite solution | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 20. Disposes of infectious waste and washes hands; changes gloves before transport of sample | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 21. Records pertinent data in chart and departmental records | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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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

- 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: _____

