## Intermittent Positive-Pressure Breathing Therapy

### Equipment and Patient Preparation
1. Verifies, interprets, and evaluates physician’s order or protocol
2. Scans chart for diagnosis and any other data and notes
3. Selects, gathers, and assembles the necessary equipment
4. Washes hands and applies standard precautions and transmission-based isolation procedures as appropriate
5. Identifies patient, introduces self and department
6. Explains purpose of the procedure and confirms patient understanding

### Assessment and Implementation
7. Assesses the patient before therapy by measuring pulse rate and pattern, respiratory rate and pattern, and auscultation
8. Measures the patient’s tidal volume, vital capacity, and peak flow rate
9. Assembles the IPPB circuit and tests the function
10. Adjusts settings initially at a low pressure, moderate flow, and moderate sensitivity (if applicable)
11. Aseptically fills nebulizer with prescribed medication
12. Instructs patient to insert the mouthpiece and maintain a tight seal; applies noseclips, mouth flange, or mask as appropriate
13. Instructs patient to inhale slightly until the machine triggers on, and allows the machine to augment inspiration; notes the volume achieved during inspiration
14. Adjusts the sensitivity if needed
15. Adjusts the pressure and flow until a maximum possible volume (at least two to three times the tidal volume) is achieved during inspiration without patient discomfort
16. Instructs the patient not to exhale forcefully against the exhalation valve
17. Instructs the patient to breathe slowly to prevent hyperventilation
18. Monitors pulse, respirations, and breath sounds during therapy; observes the patient for any adverse reactions
19. Reassesses the patient’s vital signs, breath sounds, vital capacity, and peak flow
20. Instructs the patient to cough; notes any sputum production and assesses volume, color, consistency, and odor

### Follow-up
21. Maintains/processes equipment
22. Disposes of infectious waste and washes hands
23. Records pertinent data in chart and departmental records
24. Notifies appropriate personnel and makes any necessary recommendations or modifications to the patient care plan

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Date

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

<table>
<thead>
<tr>
<th>PERFORMANCE CRITERIA</th>
<th>SCALE</th>
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<tbody>
<tr>
<td>1. DISPLAYS KNOWLEDGE OF ESSENTIAL CONCEPTS</td>
<td>5 4 3 2 1</td>
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<td>2. DEMONSTRATES THE RELATIONSHIP BETWEEN THEORY AND CLINICAL PRACTICE</td>
<td>5 4 3 2 1</td>
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<td>3. FOLLOW DIRECTIONS, EXHIBITS SOUND JUDGEMENT, AND DEMONSTRATES ATTENTION TO SAFETY AND DETAIL</td>
<td>5 4 3 2 1</td>
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<td>4. EXHIBITS THE REQUIRED MANUAL DEXTERITY</td>
<td>5 4 3 2 1</td>
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<td>5. PERFORMS PROCEDURE IN A REASONABLE TIME FRAME</td>
<td>5 4 3 2 1</td>
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<td>6. MAINTAINS STERILE OR ASEPTIC TECHNIQUE</td>
<td>5 4 3 2 1</td>
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<tr>
<td>7. INITIATES UNAMBIGUOUS GOAL-DIRECTED COMMUNICATION</td>
<td>5 4 3 2 1</td>
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<td>8. PROVIDES FOR ADEQUATE CARE AND MAINTENANCE OF EQUIPMENT AND SUPPLIES</td>
<td>5 4 3 2 1</td>
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<td>9. EXHIBITS COURTEOUS AND PLEASANT DEEMANOR</td>
<td>5 4 3 2 1</td>
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<td>10. MAINTAINS CONCISE AND ACCURATE RECORDS</td>
<td>5 4 3 2 1</td>
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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: ___________________________