

Procedural Competency Evaluation

STUDENT:

DATE:

HUMIDIFICATION THERAPY		PERFORMANCE LEVEL	PERFORMANCE RATING
Evaluator: <input type="checkbox"/> Peer <input type="checkbox"/> Instructor	Setting: <input type="checkbox"/> Lab <input type="checkbox"/> Clinical Simulation		
Equipment Utilized:	Conditions (Describe):		
Performance Level: S or ✓ = Satisfactory, no errors of omission or commission U = Unsatisfactory error of omission or commission NA = Not applicable			
Performance Rating: 5 Independent: Near flawless performance; minimal errors; able to perform without supervision; seeks out new learning; shows initiative; A = 4.7–5.0 average 4 Minimally Supervised: Few errors, able to self-correct; seeks guidance when appropriate; B = 3.7–4.65 3 Competent: Minimal required level; no critical errors; able to correct with coaching; meets expectations; safe; C = 3.0–3.65 2 Marginal: Below average; critical errors or problem areas noted; would benefit from remediation; D = 2.0–2.99 1 Dependent: Poor; unacceptable performance; unsafe; gross inaccuracies; potentially harmful; F = < 2.0 <i>Two or more errors of commission or omission of mandatory or essential performance elements will terminate the procedure, and require additional practice and/or remediation and reevaluation. Student is responsible for obtaining additional evaluation forms as needed from the Director of Clinical Education (DCE).</i>			
EQUIPMENT AND PATIENT PREPARATION			
1. Common Performance Elements Steps 1–8 (Refer to Appendix B)			
ASSESSMENT AND IMPLEMENTATION			
2. Common Performance Elements Steps 9 and 10 (Refer to Appendix B)			
3. Identifies the following types of humidifiers: bubble, wick, jet, HME			
4. Bubble humidifier: Uses when oxygen flow is 4 Lpm or higher with nasal cannula			
5. For HME: Assures no contraindications are present to its use according to AARC CPG			
A. Places in circuit at proper location			
6. Wick humidifier: Obtains and sets up continuous feed system for sterile water and water traps			
7. Assembles servo heating system and verifies function, then sets temperature between 32°C to 37°C as appropriate			
A. Jet nebulizer (aerosol generator): Obtains pre-filled nebulizer and aerosol drainage bags			
8. Adjusts liter flow to ensure patient inspiratory demands being met (minimum $V_E \times 3$)			
A. For wick: Uses high-flow flowmeter if needed			
B. For jet nebulizer: If FiO_2 60% or higher, sets up tandem nebulizer or GIN nebulizer			
9. Obtains and calibrates oxygen analyzer			
10. Analyzes FiO_2 delivered and adjusts device if needed			
11. Applies device to the patient			
12. Verifies gas temperature after appropriate time period			
FOLLOW-UP			
13. Common Performance Elements Steps 11–16 (Refer to Appendix B)			
14. Replaces HME if visibly soiled or resistance to breathing has significantly increased			
15. Replaces prefilled sterile water reservoir on bubble humidifier and jet nebulizer as needed			
16. Replaces sterile water bag on continuous feed system as needed			
17. Empties drainage reservoir or water traps as needed			

SIGNATURES

Student:

Evaluator:

Date: