Procedural Competency Evaluation

STUDENT: **DATE:**

AEROSOL GENERATORS: LARGE-VOLUME NEBULIZERS (LVNs)

			PERFORMANCE LEVEL	PERFORMANCE RATING
Evaluator: ☐ Peer ☐ Instructor	**Setting:** ☐ Lab	☐ 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

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).

	PERFORMANCE LEVEL	PERFORMANCE RATING
EQUIPMENT AND PATIENT PREPARATION		
1. Common Performance Elements Steps 1–8 (Refer to Appendix B)		
2. Selects appropriate aerosol generator and delivery device to achieve therapeutic objectives: LVN, tandem setup, gas injection nebulizer (GIN)		
ASSESSMENT AND IMPLEMENTATION		
3. Common Performance Elements Steps 9 and 10 (Refer to Appendix B)		
4. Sets flow rate to appropriate level (8–12 Lpm or GIN recommendation) to achieve adequate mist and total flow		
5. Determines patient total flow demand		
A. Determines total flow being generated by device		
B. Adjusts gas source and/or mist density to the appropriate flow rate for adequate flow to meet the patient's inspiratory demand		
C. For oxygen concentrations 60% or higher, uses a tandem or double nebulizer setup, or GIN		
6. Attaches the delivery device to the patient and ensures patient comfort		
7. Analyzes the F_{IO_2} and adjusts the entrainment selector or mist density if applicable		
8. Reassesses the patient after application of the aerosol device		
9. Collects sputum, labels, and sends to lab if indicated		
FOLLOW-UP		
10. Common Performance Elements Steps 11–16 (Refer to Appendix B)		

SIGNATURES   Student: Evaluator: Date: