

NEEDLE CRICOHYROTOMY (PERCUTANEOUS TRANSLARYNGEAL VENTILATION) – SKILL LAB

Student Name: _____ Date: _____

Instructor Evaluator (signature): _____

Student Evaluator (signature): _____

SCORING

N/A	Not applicable for this patient
0	Unsuccessful; required critical or excessive prompting; inconsistent; not yet competent
1	Successful; competent; no prompting necessary

Actual Time Started: _____

SCORE

Selects, checks, assembles equipment

Oxygen source capable of 50 psi

Oxygen tubing

Manual jet ventilator device (Y-connector or push button device)

Bag-valve-mask device

Large bore IV catheter

10-20 mL syringe

3.0 mm ET adapter

Prepares patient

Takes or verbalizes appropriate PPE precautions

Places the patient supine and hyperextends the head/neck (neutral position if cervical spine injury is suspected), manages the patient's airway with basic maneuvers and supplemental oxygen

Palpates neck locating the cricothyroid membrane (between the thyroid and cricoids cartilages)

Performs needle cricothyrotomy

Cleanse the insertion site with appropriate solution

Stabilizes site and inserts needle through cricothyroid membrane at midline directing at a 45° angle caudally

Aspirates syringe to confirm proper placement in trachea

Advances catheter while stabilizing needle

Removes needles and immediately disposes in sharps container

Attaches ventilation device and begins ventilation (1 second for inflation, 2 seconds for exhalation using jet ventilator, manually triggered ventilation device, BVM)

Secures catheter

Observes chest rise and auscultates lungs to assess adequacy of ventilation

Continues ventilation while observing for possible complications (subcutaneous emphysema, hemorrhage, hypoventilation, equipment failure, catheter kink, false placement)

Affective	
Accepts evaluation and criticism professionally	
Shows willingness to learn	
Interacts with simulated patient and other personnel in professional manner	

Actual Time Ended: _____

TOTAL: _____ /22

Critical Criteria

- ____ Failure to take or verbalize appropriate PPE precautions
- ____ Recaps contaminated needle or failure to dispose of syringe and needle in proper container
- ____ Inability to assemble necessary equipment to perform procedure
- ____ Failure to correctly locate the cricothyroid membrane
- ____ Failure to properly cleanse site prior to needle insertion
- ____ Incorrect insertion technique (directing the needle in a cephalad direction)
- ____ Failure to assess adequacy of ventilation and for possible complications
- ____ Failure to receive a total score of 17 or greater