



**National Registry of Emergency Medical Technicians®
Paramedic Psychomotor Competency Portfolio Manual**

**NEEDLE CRICOTHYROTOMY (PERCUTANEOUS TRANSLARYNGEAL VENTILATION)
SKILLS 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	Not yet competent, marginal or inconsistent, this includes partial attempts
2	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 cricoid 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 needle 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)	

