



# SIERRA-SACRAMENTO VALLEY EMS AGENCY PROGRAM POLICY

REFERENCE NO. 1110-C

## SUBJECT: INFREQUENTLY USED SKILLS – VERIFICATION OF MAINTENANCE

### ADULT NASOTRACHEAL INTUBATION ANNUAL SKILLS VERIFICATION

NAME \_\_\_\_\_ DATE \_\_\_\_\_

ALS AGENCY \_\_\_\_\_ EVALUATOR \_\_\_\_\_

**OBJECTIVE:** The candidate will demonstrate the ability to correctly nasally intubate the trachea, and ventilate within an acceptable time frame.

**EQUIPMENT:** Adult intubation manikin, endotracheal tubes, 10 ml syringe, topical vasoconstrictor, 2% lidocaine jelly, airway airflow monitor – BAAM or equivalent (optional), tape, stethoscope, BVM, End tidal CO<sub>2</sub> detection device, lubricant appropriate for manikin, appropriate PPE.

**PERFORMANCE CRITERIA AND CONDITIONS:** The candidate will be presented with an intubation manikin on which ventilation is being performed with a BVM. An EMT trained rescuer is available to assist with ventilating the patient. The candidate should correctly intubate the patient.

| EVENT  | DOES | DOES NOT |
|--|------|----------|
| 1. States the proper size of tube to use for the patient (0.5 – 1 mm smaller than optimal for oral intubation)   |      |          |
| 2. States the indications for nasotracheal intubation <ul style="list-style-type: none"><li>• Direct visualization of the posterior pharynx is difficult or impossible</li><li>• Breathing comatose or semi comatose patients requiring intubation, but who may not tolerate orotracheal intubation</li><li>• Asthma or pulmonary edema with respiratory failure, where intubation may need to be achieved in a sitting position</li><li>• Patient with clenched teeth</li><li>• Patient with fractured jaw</li><li>• Patient with oral or maxillofacial injuries</li><li>• Patients who cannot be ventilated by any other means</li></ul> |      |          |
| 3. States the Contraindications of nasotracheal intubation<br><b>Absolute:</b> <ul style="list-style-type: none"><li>• Apnea</li><li>• Patients &lt; 12 years of age</li></ul> <b>Relative:</b> <ul style="list-style-type: none"><li>• Midfacial trauma</li><li>• Suspected basilar skull fracture</li><li>• Bleeding disorders</li></ul>   |      |          |
| 4. States or demonstrates the use of appropriate PPE   |      |          |
| 5. Instills 0.5 ml Neosynephrine 0.5% into each naris  |      |          |
| 6. Inspects the nose and selects the larger nostril (right nostril if no clear choice)   |      |          |

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**ADULT NASOTRACHEAL INTUBATION ANNUAL SKILLS VERIFICATION – Cont.**

| EVENT   | DOES | DOES NOT |
|---|------|----------|
| 7. Lubricates and inserts NPA (optional)  |      |          |
| 8. Ensures patient is pre-oxygenated with 100% oxygen   |      |          |
| 9. Checks ET cuff by inflating it with no more than 10 ml's of air  |      |          |
| 10. Attaches airway airflow monitor / BAAM to NT tube (optional)  |      |          |
| 11. Lubricates the distal end of NT tube with 2% lidocaine jelly  |      |          |
| 12. Places patient's head in a midline neutral position   |      |          |
| 13. Instructs rescuer to stop ventilations / removes NPA if in place  |      |          |
| 14. Inserts the NT tube into the selected nostril with flanged end of the tube facing the septum                                  |      |          |
| 15. Gently inserts the tube into the nasopharynx with an anterior-to posterior direction  |      |          |
| 16. As tube advances into the posterior pharynx, listens for respiratory sounds (with airway airflow monitor / BAAM in place)     |      |          |
| 17. Gently but swiftly advances the tube 3 – 5 cm during peak inspiration   |      |          |
| 18. Inflates cuff with sufficient volume of air to ensure a seal (5-10 ml) and disconnects syringe immediately                    |      |          |
| 19. Attaches BVM to NT tube and ventilates  |      |          |
| 20. Confirms placement and ventilation by observing chest rise, auscultation over the epigastrium, and bilaterally over each lung |      |          |
| 21. Confirms tube placement with Capnography or Esophageal Detector Device (EDD) and CO <sub>2</sub> detection device             |      |          |
| 22. Intubation attempt should take no longer than 30 seconds  |      |          |
| 23. Properly secures NT tube using tape   |      |          |
| 24. Reevaluates tube placement after each patient movement  |      |          |