



**REGION 11
CHICAGO EMS SYSTEM
PROCEDURE**

Title: In-Line Nebulization – BLS/ALS
Section: Airway/Ventilatory Management
Approved: EMS Medical Directors Consortium
Effective Date: June 1, 2026

IN-LINE NEBULIZATION- BLS/ALS

INDICATIONS

- Severe bronchospasm in a patient that requires assisted ventilations

CONTRAINDICATIONS

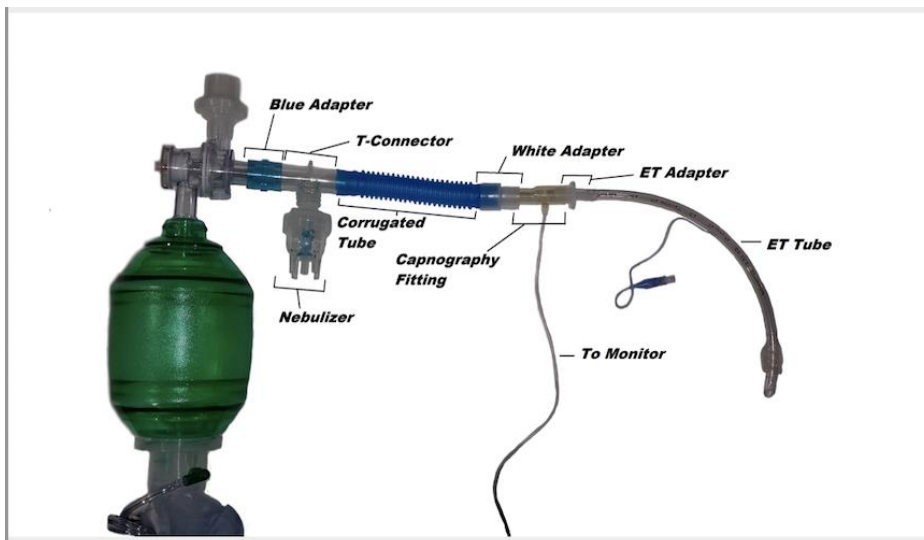
None

EQUIPMENT

- Advanced airway (endotracheal tube or i-gel supraglottic airway) with capnography or BVM
- Nebulizer with T-piece adapter, oxygen tubing, mouthpiece and flexible corrugated tubing
- White adapter for in-line nebulization, size 22 mm to 14 mm I.D.
- Blue adapter for in-line nebulization, size 22 mm to 22 mm I.D.
- Medication to be nebulized

PROCEDURE

1. Apply personal protective equipment: gloves.
2. **For ALS:** advanced airway ventilation with in-line nebulization:
 - a. Attach white adapter to capnography on advanced airway (endotracheal tube or i-gel) port
 - b. Attach corrugated tubing to white adapter and nebulizer with medication
 - c. Attach blue adapter to nebulizer and bag port
 - d. Turn on oxygen for nebulization of medication
 - e. Initiate ventilation of patient with bag





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3. **For BLS:** Bag-Valve-Mask (BVM) ventilation with in-line nebulization:
 - a. Attach white adapter to capnography or mask port.
 - b. Attach corrugated tubing to white adapter and nebulizer with medication.
 - c. Attach blue adapter to nebulizer and bag port.
 - d. Turn on oxygen for nebulization of medication.
 - e. Initiate ventilation of patient with bag.