

# CPAP with an Inline Nebulizer

## What patients benefit from CPAP?

Patients who are awake and are suffering from pulmonary edema, severe asthma, COPD, and have a pulse ox reading less than 90% at room air.

When an Inline Nebulizer is added, the patient will receive the benefits from CPAP (alveolar recruitment) in addition to the bronchodilatory effects of nebulized medications.

## Why it works:

A Duo Neb containing 2.5mg Albuterol and 0.5mg Atrovent given simultaneously and attached inline with the CPAP mask will not only relax and dilate the bronchial smooth muscles, but it will decrease the work of breathing for the patient by helping to keep their alveoli open and allow for better gas exchange.

## How to assemble and administer:

1) Apply CPAP to the Patient. Attach to oxygen and run at 15lpm. Adjust PEPP to 5-10mmHg. Ensure proper fit and seal on patient's face.



2) Ready the nebulizer without attaching the "t" that holds the mouth piece and hard tube.



3) Locate the Nebulizer T connector 22mm ID x 22mm OD supplied in the "In line nebulizer kit" and connect to nebulizer assembly.



4) Attach the nebulizer to CPAP in between PPE dial and face mask. Run oxygen to CPAP at 6lpm.

**\*\*\*Contraindications of CPAP: Respiratory arrest, pneumothorax, tracheostomy, vomiting, SBP < 90 mmHg, altered mental status, and not being able to maintain an airway. Inadequate respiratory effort, excessive secretions, nausea, and facial deformities all require cautious use of CPAP.**

