

Albuterol & Ipratropium (DuoNeb®) – 20.041

CLASS: A

PROTOCOLS USED IN: Respiratory Distress

PHARMACOLOGY AND ACTIONS:

Ipratropium is an atropine derivative used for inhalation therapy. For severe asthma and COPD, Ipratropium taken in addition to a short acting beta agonist (such as Albuterol) can provide greater bronchodilation and clinical benefit than the beta agonist alone.

INDICATIONS:

Acute reactive airway including asthma and COPD in exacerbation

SIDE EFFECTS AND NOTES:

- A. May repeat nebulizer treatment up to 3x q15 minutes PRN wheezing/ongoing reactive airway symptoms
- B. “Cardiac wheezing” may be heard on lung auscultation in patients experiencing heart failure exacerbation. Medication will not be effective in this circumstance.

ADULT DOSING:

Nebulizer:

2.5mg Albuterol/0.5mg Atrovent mixed in 3ml of normal saline for a concentration of 0.83mg/ml with at least 6 lpm of oxygen flow. Coach patient to inhale slowly and exhale passively through nose.

Metered Dose Inhaler (MDI)

90mcg per puff

Assemble one BVM, one AeroChamber, oxygen tubing and Albuterol inhaler. Begin with two Albuterol puffs into chamber and assist patient’s ventilations using the BVM and high flow oxygen.

After one minute, repeat with two puffs. Repeat every two minutes if improvement is not noted. **DO NOT EXCEED 20 PUFFS.**

PEDIATRIC DOSING:

≤ 1 year of age: Nebulized dosage of 0.03ml/kg with a max dose of 1ml.