



El Dorado County Emergency Medical Services Agency

Quick Reference

Revised Date: July 1, 2020

Medication Profile

Atrovent (Duoneb)

(Ipratropium Bromide + Albuterol Sulfate "DuoNeb Pillow")

Class:

Parasympathetic blocker (Anticholinergic), Bronchodilator

Action:

Dilates bronchioles and decreases respiratory tract secretions. Inhibits parasympathetic stimulation by blocking acetylcholine receptors. Anticholinergics prevent the increase of cyclic guanosine monophosphate which is caused by interaction of acetylcholine with the muscarinic receptor on bronchial smooth muscle

Onset: 5 minutes

Peak: 15 minutes

Duration: 2-4 hours

Adult Administration:

0.5mg premixed with 2.5mg albuterol (3ml total solution) via nebulizer (Single dose only)

Pediatric Administration:

0.5mg premixed with 2.5mg albuterol (3ml total solution) via nebulizer (Single dose only)

Indications:

Asthma
COPD
Allergic reaction
Bronchospasm

Contraindications:

None

Side Effects:

CV: Hypotension, bradycardia arrhythmias, cardiac arrest, venous thrombosis
CNS: Headache, confusion, psychosis, brain cell injury
GI: Nausea, vomiting, anorexia
MS: Joint pain
GU: Polyuria

Pregnancy:

Category C

Notes:

- IV line must be flushed between Calcium Chloride and Sodium Bicarbonate to avoid precipitation.
- Observe IV site closely. Extravasation may result in tissue necrosis. Slow IV push.

