



Yolo County Emergency Medical Services Agency

Quick Reference

Revised Date: December 14, 2018

Medication Profile

Ipratropium Bromide (Atrovent)

Class:

Anticholinergic bronchodilator

Action:

Ipratropium bromide is an anticholinergic (parasympatholytic) agent which blocks the muscarinic receptors of acetylcholine anticholinergics and prevents the increases in intracellular concentration of cyclic guanosine monophosphate (cGMP), resulting from the interaction of acetylcholine with the muscarinic receptors of bronchial smooth muscle.

Onset: 10-15 minutes

Peak: 30-60 minutes

Duration: 3-4 hours

Indications:

Bronchospasm associated with reactive airway disease or acute attacks of bronchospasm (COPD, asthma, allergic reaction etc.)
Airway burns with wheezing

Contraindications:

Hypersensitivity/allergy

Side Effects:

CV: Tachycardia, palpitations
CNS: Headache, insomnia

Notes:

- Should always be administered with Albuterol in a nebulized treatment.
- Supplemental continuous oxygen should be given in all patients receiving Ipratropium Bromide.

This document is not a substitute for Protocols and Procedures.

Effective Date: January 1, 2019

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