

Ipratropium Bromide (Atrovent)

Adult Airway - Reactive Airway Disease Pediatric Airway - Reactive Airway Disease		
B	Adult	0.5mg nebulized (Given in conjunction with Albuterol as a Duo Neb in first administration)
	Pediatric	Pediatrics receive the above dosage if over 8kg Weight Based Pediatric Dosing Chart Link

Class:

- Anticholinergic Bronchodilator

Description of Use:

- Ipratropium is an acetylcholine antagonist, blocking muscarinic cholinergic receptors. This decreases formation of cGMP, resulting in decreased contractility of smooth muscle tissues in the airway

Pharmacokinetics: (Route: Inhalation)

- Onset: 1-3 mins
- Peak: 1.5-2 hrs
- Duration: Up to 4 hrs
- Half-life: 1.5-4 hrs

Special Populations:

- Pregnancy Class: B
- Children: No age related precautions noted
- Elderly: No age related precautions noted

Contraindications:

- Atropine hypersensitivity, bromide hypersensitivity
- Cautions: narrow-angle glaucoma, prostatic hypertrophy, bladder neck obstruction, and hepatic/renal insufficiency

Adverse reactions:

- Bronchitis, URTI, dyspnea, headache, coughing, pain, nausea, influenza-like symptoms, pharyngitis, back/ chest pain, mouth dryness, dizziness, bronchospasm, sinusitis