



CHARLOTTESVILLE-ALBEMARLE RESCUE SQUAD

Clinical Review and Training

Albuterol (Proventil)

Class: Sympathetic agonist

Indications

Skill Level: E, I, P

- Asthma
- Reversible bronchospasm associated with emphysema and chronic bronchitis
- Anaphylactic respiratory distress

Contraindications

- Hypersensitivity
- Tachydysrhythmias

Mechanism of Action

- Selective for β_2 -adrenergic receptors which causes bronchodilation

Pharmacokinetics

- Onset: 5-15 minutes (inhaled)
- Peak Effects: 1.0-1.5 hours
- Duration: 3-6 hours
- Half-life: <3 hours

Side Effects

- Palpitations
- Anxiety
- Dizziness
- Headache
- Nervousness
- Nausea
- Vomiting

Dosage

- **2.5 mg inhaled** via hand held nebulizer or face mask with oxygen flow of 4-6 liters per minute

Supplied

- 2.5 mg/3 mL of normal saline