

B. Albuterol Sulfate (Proventil®, Ventolin®)

- I. Classification
 - Bronchodilator
- II. Actions
 - Relaxes bronchial smooth muscles (beta 2)
 - Reduces airway resistance
- III. Indications

Bronchospasm caused by:

 - Acute asthma
 - Anaphylaxis
 - COPD
 - Bronchitis
 - Toxic gas inhalation
 - Near drowning
 - Drug overdose
- IV. Contraindications
 - Not significant in above indications
- V. Adverse Effects
 - A. Cardiovascular
 - Tachycardia
 - Hypertension
 - B. Respiratory
 - Cough
 - Wheezing
 - C. Neurological
 - Tremors*
 - Nervousness*
 - Headache
 - Dizziness
 - D. Gastrointestinal
 - Nausea
- VI. Administration
 - A. Adult

2.5 mg/3 ml NS administered by nebulizer over 5-15 minutes. Repeat the breathing treatment as many times as needed.
 - B. Pediatric

Same as adult
- VII. Onset
 - Within 5 minutes
- VIII. Duration
 - 4-6 hours

IX. Precautions

- Hypoxic patients may experience dysrhythmias. Monitor the patient's rhythm and provide supplemental O₂ before and after the treatment to decrease hypoxemia.

X. Note

- Do not use a facemask with retaining strap due to the decreased ability to monitor tidal volume and level of consciousness.
- Use with caution in patients with a history of hypertension, heart disease and tachydysrhythmias.