

ALBUTEROL SULFATE

Additional Names: Proventil, Ventolin, Salbutamol

Classification: Beta Agonist, Bronchodilator (Sympathomimetic)

Indications: Relief of bronchospasms
Asthma
COPD, chronic bronchitis, emphysema
Suspected hyperkalemia

Contraindications: Known hypersensitivity
Symptomatic tachycardia (relative)
Cardiovascular or Cerebrovascular Disease (relative)
Congestive Heart Failure or Pulmonary Edema (relative)
Use of beta-blocker medications (relative)

Dosages: **Adult:**
Wheezing/Bronchospasm
5mg Nebulized
Mild: may repeat x 1 prn. Moderate: may repeat prn. Severe: may repeat prn

Drowning
If fluid is auscultated (i.e. rales) in the lungs
5mg Nebulized, q5min, may repeat x3 prn

Crushing Injury/Syndrome
Signs of hyperkalemia present
20mg Nebulized

Pediatric:
Asthma/Wheeze > 2 yo
≥ 4yo = 5mg Nebulized
< 4yo = 2.5mg Nebulized
May repeat x2 while administering other treatments. Continue DuoNeb's prn while enroute

Side Effects: Tachycardia, palpitations, hypertension, angina, nervousness, tremors

Physiological Effects: Beta-2 sympathomimetic that produces bronchodilatation by causing smooth muscle relaxation of the smooth bronchial muscles through the stimulation of the beta-2 receptors in the lung tissue.

Additional Info: Use cautiously in patients with CAD, HTN, DM, hyperthyroidism.