

Albuterol Sulfate

Effective: 03/01/2021

Supersedes:
N/A**Approved Provider:** EMT | AEMT | Paramedic**Referenced Protocols:** [Anaphylaxis](#) | [Breathing Difficulty](#) | [CHF](#) | [Crush Syndrome](#)

DOSING AND ADMINISTRATION

ADULT

- 2.5 mg in 3cc NS repeat PRN

PEDIATRIC (Refer to Handtevy)

- 2.5 mg in 3cc NS repeat PRN

Pharmacology and Actions:

- Bronchodilation through beta 2 mediated smooth muscle relaxation
- Albuterol also has some Beta-1 agonist activity which can increase myocardial contractility, irritability, and rate

Indications:

- Bronchospasm due to any etiology including: asthma, COPD, allergic reactions and pulmonary infections

Contraindications:

- None

Precautions:

- Do not neglect Oxygen administration, airway control, and proper ventilation
- Use with caution (i.e. close monitoring of vital signs, patient condition, and EKG monitor) in patients with coronary artery disease, dysrhythmias, hypertension, prior recent beta-adrenergic drug use, monoamine oxidase inhibitor use, or tricyclic antidepressant use

Administration:

- Acceptable routes include nebulizer and patients metered dose inhaler (MDI)

Side Effects:

- Tremors
- Nervousness
- Nausea
- Vomiting
- Cardiac irritability or tachycardia dysrhythmias may manifest and warrant termination of treatment