

ILLINOIS REGION 3 PROTOCOLS

NEBULIZER TREATMENT USING ALBUTEROL (PROVENTIL, VENTOLIN) (ALS)

I. Indications:

- A. Acute attacks of bronchospasm
- B. Reversible obstructive airway disease

II. Possible Hazards and Complications:

- A. Albuterol can produce paradoxical life-threatening bronchospasm
- B. Significant cardiac effects may occur
- C. Hypersensitivity reactions
- D. Use with caution in patients with diabetes, cardiovascular, and convulsive disorders
- E. Use with caution in patients taking tricyclic antidepressants
- F. Other aerosol bronchodilators and epinephrine should not be used with Proventil, or extreme caution should be used

III. Equipment:

- A. Albuterol solution 2.5 mg in 3 ml unit dose
- B. Delivery system - disposable
 - 1. Aerosol elongated mask or mouthpiece if available
 - 2. Nebulizer medication container
 - 3. Oxygen supply tubing

IV. Procedure Sequence:

- A. Obtain patient information and communicate with treating facility - history and physical
- B. Set up delivery equipment
- C. Explain procedure to patient
- D. Position patient in sitting position
- E. Monitor vitals before, during, and after treatment
- F. ECG monitor applied
- G. Oxygen flow rate 6-10 LPM
- H. Add 2.5 mg of Albuterol to delivery set
- I. Place aerosol mask on patient or use hand held nebulizer, and instruct to inhale slowly and deeply through their mouth
- J. Have patient cough post treatment
- K. Re-evaluate breath sound and communicate findings to treating facility
- L. Nebulizer treatments last approximately 6-10 minutes

NOTE: Albuterol can be used for patients 6 years old and over in the above dose and treatment method (may be used for patients less than six years of age if ordered by the EMS Physician).

Blessing Hospital, EMS Medical Director

Passavant Hospital, EMS Medical Director

St Johns Hospital, EMS Medical Director

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