

Nebulized Medication (≥ PL2)

Clinical Indications:

1. Patients requiring medication administration via nebulized route in accordance with the appropriate clinical guideline and formulary documents.

Contraindications:

1. Hypersensitivity to medication.
2. Medications not approved for nebulized delivery.

Relative Contraindications:

1. Blood clotting abnormalities
2. Anticoagulant use
3. Nasal polyps
4. Upper neck hematomas or infections
5. Acutely hypertensive patients
6. Patients suspected of experiencing elevated intracranial pressure

Procedure:

1. Ensure all required pieces are available.
 - a. T-piece
 - b. 6" tubes X 1
 - c. Mouthpiece and/or face mask
 - d. Medication chamber
 - e. Oxygen tubing
2. Assemble nebulizer.
3. Attach larger female port of T-piece firmly to male adapter on medication chamber.
4. If face mask is being used, the female fitting on the bottom of the mask is connected directly to the male adapter on the medication chamber.
5. Attach 6" tube to the male ports on the T-piece.
6. Firmly attach threaded portion of mouthpiece to 6" tube.
7. If patient is not intubated, then the nebulizer chamber is to be upright to insure proper aerosol dispersal
8. If patient is intubated, attach 90-degree endotracheal tube adapter to endotracheal tube and other end to the 6" tube.
9. Attach oxygen supply tubing to oxygen port located on bottom of medication chamber.
10. Do Medication Administration Cross Check
11. Unscrew top of medication chamber, add total amount of medication to be nebulized, and replace top.
12. Set oxygen flow rate based on equipment specifications.
13. Ensure that medication is flowing prior to giving mouthpiece to patient or placing face mask on patient.
14. Place mouthpiece in patient's mouth or position face mask on patient, instructing him/her to inhale as deeply as possible and hold as long as possible prior to exhaling.
15. If patient is intubated.
16. Attach non-rebreathing patient valve of bag-valve-mask to free 6" tube.
17. Ensure suctioning port on 90-degree adapter is closed.
18. Begin ventilating patient.
19. Nebulized medications may be used with CPAP device. Refer to CPAP device instructions for appropriate assembly and administration.
20. Treatment should be provided until medication is depleted.
21. Monitor patient for medication effects including reassessment of vital signs and breath sounds.
22. Document the medication administration including dose and time as well as any observed patient response in the patient care record.