

**HACKETTSTOWN REGIONAL MEDICAL CENTER
CARDIOPULMONARY
MEDICATION ADMINISTRATION**

Effective Date: March 2010

Policy No: 3B.011

Cross Referenced: 3B014

Origin: Cardiopulmonary

Reviewed Date: 12/2012

Authority: Cardiopulmonary Manager

Revised Date: 12/2012

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SCOPE

All members of the Cardiopulmonary Department

PURPOSE

To deliver nebulized or dry powder medications topically on the lung. To decrease inflammation, dilate the airways or assist in the mobilization of secretions.

Nebulized Medication Delivery:

Equipment:

1. Disposable single patient use nebulizer.
2. O2 supply tubing.
3. Disposable aerosol mask, T-piece and or mouthpiece.
4. Gas source, i.e. compressed air or O2 flow meter.

PROCEDURE

1. Obtain a physician order for appropriate therapy.
2. Fully explain to the patient the intent of therapy.
3. Assemble equipment according to manufacturer instructions.
4. Connect O2 supply tubing to gas source (flow meter).
5. Connect end of tubing to nipple on nebulizer.
6. Obtain correct medication from Pyxis.
7. All respiratory medication is profiled to each patient according to physician's orders.
8. Scan the patients' wristband and the vial of medication into the electronic medical record (EMR).
9. Open bottom of vial, pour in medication into medication cup and re-secure.
10. Place mask, mouthpiece or T-piece on nebulizer firmly.
11. Initiate gas flow and observe mist at mask /mouthpiece.
12. Insure the patient breathes slowly and comfortably.
13. Have the patient (if possible) inspire slowly through their mouth, take a deep breath if possible, hold 1-2 seconds, and expire slowly.
14. Asses pulse, oxygen saturation and respirations prior to medication administration, during delivery of medication, and post-bronchodilator.
15. Asses patients' breath sounds (auscultation) prior to medication administration and after medication administration.
16. Empty any remaining condensation in medication cup.
17. Document all medication delivery in the patients (EMR).

Dry Powder Medication Delivery:

Equipment:

1. Disk or device to deliver dry powder medication.

Procedure:

1. Obtain a physician order for appropriate therapy.
2. Fully explain to the patient the intent of therapy.
3. Assemble equipment according to manufacturer instructions.

Approved by: See signed Authority & Approval form
month / year Committee Name

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4. Obtain correct medication from Pyxis.
5. All respiratory medication is profiled to each patient according to physician's orders.
6. Scan the patients' wristband and the medication into the electronic medical record (EMR).
7. Open the medication package and place into delivery device.
8. Instruct the patient to actuate medication while taking a slow deep breath in through their mouth.
9. Instruct patient to hold their breath for 10 seconds, if possible.
10. Instruct patient to repeat steps 8 and 9 again.
11. Asses pulse, oxygen saturation and respirations prior to medication administration, during delivery of medication, and post-bronchodilator.
12. Asses patients' breath sounds (auscultation) prior to medication administration and after medication administration.
13. Discard empty medication capsule.
14. Document all medication delivery in the patients (EMR).

Precautions:

1. Using medications, potential side effects should be looked for and needs to be reported to both the charge nurse as well as the ordering physician.
2. Use Adverse Reaction Form provided by Pharmacy. (See Section 3B, policy 14).