

**HACKETTSTOWN REGIONAL MEDICAL CENTER
CARDIOPULMONARY
OXYGEN ADMINISTRATION VIA HI FLOW NASAL CANNULA**

Effective Date: March 2010

Policy No: 3B.005

Cross Referenced:

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 supply hi flow supplemental oxygen at moderate FiO₂ to treat patients with hypoxemia, increased work of breathing and respiratory distress. To be used in place of venti- mask, simple or NRB mask to maintain desired oxygen saturations.

Equipment:

- Hi Flow Nasal Cannula
- Hi Flow Bubble Bottle
- Oxygen Flow Meter
- Sterile Water

PROCEDURE

- Verify order by checking the patient's chart.
- Introduce yourself to the patient.
- Verify patient's identity by checking his/her ID bracelet.
- Explain to the patient what you are going to do.
- Plug oxygen flow meter into the oxygen wall outlet.
- Add sterile water to the appropriate level in the hi flow bubble bottle and connect to the flow meter.
- Adjust flow meter so that it will deliver the desired flow and connect the hi flow cannula to the hi flow bubble bottle.
- Connect hi flow nasal cannula to the patient, make sure that prongs are facing down into the patients nose. Adjust it so that it fits securely on the patient.
- Follow up with pulse oximeter to maintain desired oxygen saturation.

Care of Equipment:

- Flow meter must be vertical when plugged into the oxygen wall outlet to guarantee accurate flow.
- Exercise caution when handling equipment to avoid dropping.
- Add sterile water to appropriate level, do not over fill.

Important Points:

- Oxygen is a drug and, as such, a physician order is required.
- The hi flow nasal cannula requires a physician order and should specify a desired oxygen saturation to be maintained.
- The patient must be properly identified prior to administration of oxygen.
- Use only sterile water when filling bottle and fill to appropriate level. Do not overfill.
- Hi flow bubble bottle must be used with hi flow nasal cannula.
- Oxygen flow may be sat as high as 15 lpm.

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Safety Precautions:

- Allow no hazardous materials or devices near the patient while oxygen is in use (petroleum products - Vaseline, electric razors, etc.).
- Watch for patient sensitivity to oxygen administration (e.g., COPD).
- Only properly licensed personnel are allowed to set-up and/or monitor this device.

Documentation:

- Obtain a Cardiopulmonary Services requisition with the appropriate patient information from the computer.
- Stamp the Cardiopulmonary Services Progress Notes, record the appropriate data and insert the notes into the patient's chart in the proper location.