

Title of Skill:

Introduction Rationale:

Infant Airways
Infants are more vulnerable to respiratory illness therefore, they may need assistant ventilation to prevent tissue hypoxia. For this purpose different types of airways are the basic need of any hospital setting.

Learning objective:

after session student should be able to define

- Different types of airways and their function
- Indication of putting airways
- Complication of airways

Equipment require:

- Face mask with Oxygen supply
- LMA / Supra glottic airways
- Tracheal intubation
- Suction machine for cleaning airways

Procedure:

Use stick aseptic technique, wearing surgical mask and surgical gloves, after all septic measures put the airways according to patients need and clinical status. After maintaining airway check for:

- Patient's vital signs R/R, H/R, Temp, BP and O₂ Sat
- look for any respiratory distress, cyanosis, grunting and chest indrawing
- Auscultate the patient for bilateral air entry
- Urgent chest x-ray

Types:

There are different type of airways from a simple face mask, supra glottic airway (LMA) to invasive endotracheal intubation. Suction machine also included in it they are used to clean airways.

Indication:

- Severe respiratory distress
- Apnea / respiratory failure
- Coma / unconsciousness
- Cardio respiratory collapse
- Refractory seizures

Contradiction:

N/A

Complication:

- Pneumothorax
- Block of airways due to secretion
- Trauma
- Dislodge
- Pulmonary Hemorrhage

Title of Skill:

Nebulizer

Introduction Rationale:

Nebulizer is device to relieve respiratory distress because of allergic or inactive condition of lungs. In this way, two kind of medicine i.e. reliever and controller medicine via inhalation route

in patient with acute attack asthma the patient needs quick relieve by giving bronchodilator medicine by inhalation method with use of nebulizer device

Learning objective:

after session student should be able to define

- What is nebulizer?
- What type of medicine use in nebulizer?
- What is the technique of using?
- Indication

Equipment require:

Face Mask, tubing, electrical source, nebulizer, drugs of nebulizer, syringe, and normal saline

Procedure:

Use strict aseptic technique, cleaning face mask with spirit swab. Connect the electrical source to nebulizer device. Obtain the desired amount of normal saline in the disposable syringe and put in mouth piece of nebulizer. Now take prescribe amount of inhaler medicine (Bronchodilator) reliever or controller as prescribed by physician and add to the previously put normal saline. Now attached face mask to the mouth piece. Put face mask over the child face make sure it make good seal to deliver optimum amount of medicine. Now switch on the device to start procedure.

Types:

Indication:

Asthma, Allergic airway obstruction

Contradiction:

Complication: