

Non-Invasive Ventilation (NIV) Guidelines

NIV is generally indicated as short-term therapy for the treatment of acute reversible exacerbation of a clinical condition

Utilize Heated High-Flow (HHF) Nasal Cannula guidelines prior to initiating NIV

Criteria for Consideration:

- Respiratory distress
 - Failed HHF Management
 - Absent of contraindications

Initiate Non-Invasive Ventilation

Contraindications:

- Cardiac or respiratory arrest
- Hemodynamic instability or unstable cardiac rhythm
- Non respiratory organ failure
- Severe encephalopathy (GCS<10)
- Severe upper GI bleed
- Facial surgery, trauma or deformity
- Upper airway obstruction
- Inability to cooperate or protect airway
- Inability to clear secretions
- High risk for aspiration (e.g. nausea, vomiting)
- Untreated Pneumothorax
- Increased Intracranial Pressure

After 1 Hour:

- Reassess the patient
- Obtain ABG

pH \geq 7.20
and
 PaO₂ \geq 60
*No new contraindications

pH < 7.20
or
 PaO₂ < 60
*Or new contraindications

Optimize Settings

Transfer to ICU

Notify Rapid Response Nurse

- Physician Evaluation

Reassess patient every 4 hours:

- Skin
- Tidal Volumes
- Respiratory Rate
- Oxygen saturation

Obtain new NIV orders

Actively Weaning and FiO₂ < 0.6

Less than 24 hours on NIV?

- Wean settings as tolerated
- Discontinue NIV
- Discontinue Order

REVISED

6/27/2016