

Emergency and Critical Care



Global Campus for Excellent Education

Acute Respiratory: Noninvasive Positive Pressure Ventilation (NPPV)

Noninvasive Positive Pressure Ventilation (NPPV)

Who?

- COPD patients
- Sleep disorders
- Reversible hypoxic respiratory failure
- DNR patients
- Heart failure pulmonary edema
- Neuromuscular disorders

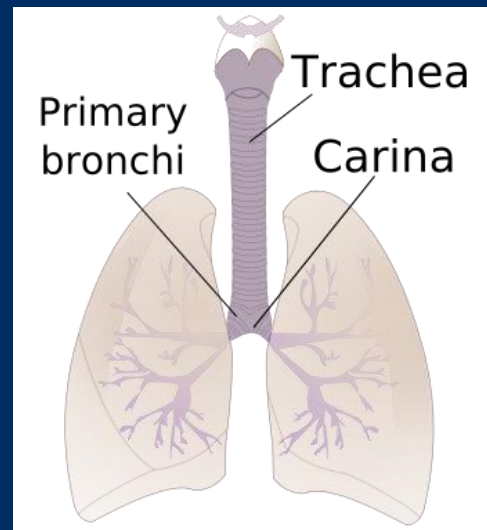
Who Not?

- Overwhelming secretions
- Uncontrolled cardiac arrhythmia
- Moderate to severe hypoxia
- Hypotension
- Severe anxiety, inability to follow directions



Noninvasive Positive Pressure Ventilation (NPPV)

- Why?
- What?
 - BiPAP
 - CPAP



Noninvasive Positive Pressure Ventilation (NPPV)

- BiPAP
 - Inspiratory (iPAP)
 - Expiratory (ePAP)
- CPAP
 - Constant



Noninvasive Positive Pressure Ventilation Nursing Care

Monitor oxygen saturation

Monitor ABG's

Response to treatment

- ↓ HR
- ↓ RR
- ↓ use of accessory muscles

Improved breath sounds

Appropriate fit

