**Ventilator Management**

**Nursing**

- Nursing Communication Discontinue Mechanical Ventilation Plan upon extubation
- Elevate Head of Bed > 30 degrees
- Oral Care q 2 hr, brush teeth BID

**Respiratory**

- Non Invasive Ventilation with BIPAP; IPAP =15, EPAP =5, RR= 15

- Ventilator Management per protocol
  - Ventilator Order
    - TV = 6 - 8 ml/kg ideal body wt
    - Mode= SIMV
    - Rate = 14
    - PEEP = 5 cm
    - PS = 10 cm
    - FIO2= 100%
    - Sputum gm stain C&S from ET secretions
  - Additional Ventilator Orders

- ABG on initial settings and call MD for further orders

- Patients should be assessed daily for their readiness for extubation 📈
  - Evidence
  - Ventilator Weaning per protocol
  - Daily spontaneous breathing trial, ps zero, peep 5 x 30 minutes, place back on previous settings at end of trial while awaiting decision to extubate.
  - End Tidal CO2 Measurement

**Ventilator Sedation Protocol**

**Nursing**

- Target Ramsey score must be completed for dosing
  - Nursing Communication Target Ramsey Score 2-3. Assess and record every 1 hour.
  - Nursing Communication Nursing care per Mechanical Ventilation Sedation Protocol
Medications

Fentanyl infusion 1000mcg/100ml D5W 100ml IV 50 mcg/hr, ** VENTILATOR SEDATION **. Give 50 mcg bolus, then begin infusion of 50 microgram/hr up to 700 micrograms/hr
Fentanyl INJ 50 microgram solution intravenous push every 15 minutes PRN breakthrough pain
Propofol Infusion (10mg/ml) 100mL 5 microgram/kilogram per minute solution intravenously ** VENTILATOR SEDATION ** increase q 5-10 minutes by 5-10 mcg/kg/min until Ramsey target reached or 50 mcg/kg/min.
Ativan 25mg/250ml D5W 250ml IV 1 mg/hr, ** VENTILATOR SEDATION **. Give 1 mg bolus, then start infusion. May increase by 1 mg/hr every 1 hr to 10 mg/hr
Ativan 1-2 milligram solution intravenous push every 15 minutes PRN breakthrough agitation ** VENTILATOR SEDATION **
Midazolam 0.5-15 milligram/hour continuous intravenous infusion ** VENTILATOR SEDATION ** Initial bolus 2 mg, then adjust by 2 mg/hr every 15 min to achieve sedation, maximum of 15 mg/hour
Midazolam 1-5 milligram intravenous push every 15 minutes as needed for breakthrough agitation ** VENTILATOR SEDATION **

☑** SEDATION VACATION PROTOCOL ** After patient has been on mechanical ventilation for minimum 4 hr, stop IV sedative at/before 0800 AND 1600, perform Glasgow Coma Scale. RT to perform spontaneous breathing evaluation (SBE) during periods of sedation discontinuance. (Step 1 of 2)
☑** SEDATION VACATION PROTOCOL ** If the patient does not meet criteria for a Spontaneous Breathing Trial (SBT), restart IV sedation at ½ the dose following the neurological and respiratory evaluation. (Step 2 of 2)