(place patient label here)

Patient Name:_____

BENEFIS HEALTH SYSTEM
Benefis
HOSPITALS

PROVIDER ORDERS

Order Set Directions:
- **(√)- Check orders to activate; Orders with pre-checked box ☑ will be followed unless lined out.**
- **Initial each place in the pre-printed order set where changes such as additions, deletions or line outs have been made**
- **Initial each page and Sign/Date/Time last page**

Diagnosis: _____

Allergies with reaction type:_____

ICU Ventilator Management Protocol

Version 1 5/23/14

- After provider order for initiation of a protocol, nursing may place orders found within the protocol using the Policy/Protocol - No Esign Req order source.

Respiratory

☑ Ventilator settings: Initial Settings as ordered by provider or per Ventilator Initiation Standing Order

Oxygenation Goal: PaO2 55-80 mmHg or SpO2 88-95%

- Use the incremental FiO2/PEEP combination below to achieve the Oxygenation goal
  - ☑ Higher FiO2/Lower PEEP :
    FiO2 0.3/PEEP 5;
    FiO2 0.4/PEEP 5;
    FiO2 0.4/PEEP 8;
    FiO2 0.5/PEEP 8;
    FiO2 0.5/PEEP 10;
    FiO2 0.6/PEEP 10;
    FiO2 0.7/PEEP 10;
    FiO2 0.7/PEEP 12;
    FiO2 0.7/PEEP 14;
    FiO2 0.8/PEEP 14;
    FiO2 0.9/PEEP 14;
    FiO2 0.9/PEEP 16;
    FiO2 0.9/PEEP 18;
    FiO2 1.0/PEEP 18-24

Plateau Pressure (Pplat) Goal: less than or equal to 30 cm H2O

- ☑ Monitor Pplat (inspiratory pause) a minimum of every 4 hours and after each change in PEEP or tidal volume
- ☑ If Pplat is greater than 30 mm H2O: decrease tidal volume by 1 milliliter/kilogram increments to a minimum 4 milliliters/kilogram
- ☑ If Pplat less than 25 cm H2O and tidal volume is less than 6 milliters per kilogram: increase tidal volume by 1 milliliter/kilogram until Pplat is greater than 25 cm H2O or tidal volume is equal to 6 milliliters/kilogram
- ☑ If Pplat is less than 30 mm H2O and breath stacking occurs: may increase tidal volume by 1 milliliter/kilogram increments to a maximum of 8 milliliters/kilogram if Pplat remains less than or equal to 30 cm H2O

pH Goal: 7.30-7.45

- ☑ Acidosis Management (pH less than 7.30): If pH 7.15-7.30: increase respiratory rate until pH is greater than 7.30 or PaCO2 is less than 25 (maximum respiratory rate 35)
  If pH is less than 7.15: increase respiratory rate to 35. If pH remains less than 7.15 Notify Provider and consider giving sodium bicarbonate
- ☑ Alkalosis Management (pH greater than 7.45): If respiratory rate 30-35 decrease respiratory rate by 5. If respiratory rate 25-30 decrease respiratory rate by 4. If respiratory rate 20-25 decrease respiratory rate by 3

☑ Blood gas, arterial prn and 30 minutes after each ventilator change