**ICU Ventilator Bundle Version 5 Approved 08/09/16**

**Nursing Orders**

Communication order: Goal sedation level - \_\_\_\_\_\_\_\_\_ (+4 to -5) per Richmond Agitation Sedation Scale

+4: Combative

+3: Very Agitated

+2: Agitated

+1: Restless

0: Alert and Calm

-1: Drowsy

-2: Light Sedation

-3: Moderate Sedation

-4: Deep Sedation

-5: Unarousable

Initiate Daily Awakening-Unless otherwise ordered, interrupt sedation each shift until patient is awake, can follow commands or until they become uncomfortable or agitated. Then resume infusion at 1/2 the previous rate and titrate to RASS Scale goal. Coordinate with weaning assessment.

Notify provider IF extubated to address all pain/sedation/delirium orders

**Respiratory**

***Initial Ventilator Mode and Settings***

For Assist-Control or SIMV modes: select volume control or pressure control, not both

Oxygen, titrate to maintain oxygen saturations greater than 94%

Assist-Control Mode

AC-VC Mode

AC-PC Mode

Spontaneous Mode

Spontaneous VC Mode

SIMV Mode

Bi-level Mode

BIPAP Mode

CPAP Mode

NIPPV Mode

***FIO2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

***Ventilator Rate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

***Pressure Support \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

***PEEP \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

***Ventilator Protocols***

 Initiate Ventilator Management Protocol

 Initiate Vent Weaning (SBT) Protocol

**Medications**

***Analgesics : Select one bolus and CCA combination***

morphine in normal saline 1 mg/mL (CCA)

2-5 milligram intravenously every 10 minutes times 3 doses. If bolus doses ineffective notify provider. If effective continue with clinician controlled analgesia

0.5-2 milligram intravenously every 15 minutes as needed for pain

fentaNYL in normal saline 10 micrograms/mL (CCA)

25-50 microgram intravenously every 10 minutes times 3 doses. If bolus doses ineffective notify provider. If effective continue with clinician controlled analgesia

10-50 microgram intravenously every 10 minutes as needed for pain

HYDROmorphone in normal saline 0.2 mg/mL (DILAUDID - CCA)

0.2-0.6 milligram intravenously every 10 minutes times 3 doses. If bolus doses ineffective notify provider. If effective continue with clinician controlled analgesia

0.05-0.6 milligram every 15 minutes as needed for pain

***Sedatives /Anxiolytic Continuous Infusion -Select One***

dexmedetomidine (PRECEDEX) in NS 400 mcg/100 ml (4 mcg/ml)

0.5 microgram/kilogram per hour continuous intravenous infusion ; May titrate to 1.5 microgram/kilogram per hour to achieve ordered RASS sedation level (Note: this does not cover alcohol withdrawal)

propofol 10 mg/mL intravenous emulsion (DIPRIVAN)

5 microgram/kilogram per minute continuous intravenous infusion ; May titrate to 80 microgram/kilogram per minute to achieve ordered RASS sedation level

***Sedatives /Anxiolytic***

LORazepam (ATIVAN)

\_\_\_- \_\_\_\_ milligram intravenously every hour as needed for anxiety

***Antidelirium Agents***

Use only if delirium is present and verify with Confusion Agitation Assessment Method (CAM) score

haloperidol lactate (HALDOL)

5-10 milligram intravenously every 20 minutes until calm. [MAX DOSE- \_\_\_\_](NOTE MAY CAUSE QT PROLONGATION)

5 milligram intravenously every 6 hours as needed for agitation (NOTE MAY CAUSE QT PROLONGATION)

***Bronchodilators***

albuterol-ipratropium 2.5 mg-0.5 mg/3 mL soln for inhalation (DUONEB)

3 milliliter by nebulizer every 4 hours

albuterol 2.5 mg/3 mL (0.083 %) solution for nebulization (VENTOLIN)

2.5 milligram by nebulizer every 4 hours

ipratropium 0.5 mg/2.5 ml neb solution (ATROVENT)

0.5 milligram by nebulizer every 4 hours

**Laboratory**

Blood gas study

stat

routine

routine in AM

as needed and 30 minutes after every ventilator change

**Radiology and Diagnostic Tests**

XR Chest Single , portable,

routine Reason for exam: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

in AM; Reason for exam: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Consults**

PT- ICU Mobility