***Parapac Plus 310 Mechanical Ventilator***

**Description**

Mechanical ventilation for both NIV CPAP patients and intubated patients.

**Indications**

* Apneic and Intubated
* Patients requiring CPAP for any reason

**Procedures**

* **Calculate Ideal Body Weight**
  + Males: 50kg + 2.3kg for every inch over 5 feet
  + Females: 45.5kg + 2.3kg for every inch over 5 feet
* **Tidal Volume** 
  + 4-8ml/kg IBW; start at 6ml/kg IBW
* **Minute Volume**
  + 100ml/kg/min of IBW up to 150ml/kg/min IBW in specific populations
* **Respiratory Rate**
  + Start at a rate of 10, adjust for normocarbia
* **PEEP**
  + Start at 5mmHg and adjust as needed
* **FiO2**
  + Start at 100% and decrease to maintain SpO2 94%-99%
* **PIP**
  + Set PIP alarm at 35

**Considerations**

* Adjust PEEP and FiO2 to manage oxygenation
* Adjust RR and VT to manage ventilation/EtCO2
* Changes in VT should be done 1mg/kg IBW at a time.
* Consider MV up to 150ml/kg/min IBW for pregnant and/or acidotic patients to maintain normocarbia.
* Consider targeted end tidal goal for the patient with DKA, Sodium Channel Blocker Overdose, 25-30mmhg.

**Special Considerations**

* High PIP alarms- use DOPE pneumonic
* PEEP during CPAP- remember, this is adjusted with FLOW. For higher PEEP, increase FLOW.
* All patient start with a FiO2 of 100%; decrease FiO2 to 50% if patient can maintain SpO2 94%-99%