



PROCEDURES PROC-01K

INVASIVE VENTILATION

Page 1 of 2
Last Revision:
06/07/2019

Indications:

- Intubated patients

Contraindications:

- Patients weighing 6kg or less
- Able to manage patient with Noninvasive ventilation (relative)

Procedure:

1. Prepare Equipment
 - Attach circuit to e700
 - Attach e700 to oxygen source
 - Turn on e700
 - Select appropriate patient size (infant – pedi – adult)
2. Adjust ventilator mode to “A/C”
3. Adjust settings and titrate to patient’s need.
 - Vt: [(Patient’s height in feet) – 1.5] X 100 = appropriate Vt based on ideal body weight
 - Rate:
 - 10 breaths/minute – CPR, Obstructive Lung Disease (Asthma, COPD)
 - 20 breaths/minute – Normal lungs (Trauma, Overdose), or uncertain
 - 30 breaths/minute – Metabolic Acidosis (DKA, Sepsis, Excited Delirium)
 - I:E Ratio: Consider increasing to 1:3 or 1:4 to allow for an extended exhalation phase to correct breath stacking if present (asthma/COPD).
 - PEEP: Titrate up to 15 cmH2O for patients that do not experience an increase in SpO2
 - FiO2: Consider titrating down to 60% for prolonged transports, patients intubated for non-respiratory indications, or for patients with known PaO2 > 100. Titrate lowest FiO2 to keep SpO2 > 94%
4. Attach circuit to ET Tube or SGA. ITD and ETCO2 detector should be placed between the circuit and ET Tube/SGA if applicable
5. Confirm ET placement and functionality of ventilator by continual monitoring of EtCO2.

Alarms/Trouble Shooting:

Do not ignore any alarms provided by the e700. Utilize the “DOPES” acronym to troubleshoot any complication. If in doubt, remove circuit and utilize BVM.

- Displacement
- Obstruction
- Pneumothorax
- Equipment
- Stacking (breath)



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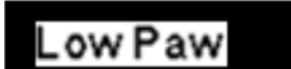
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Page 2 of 2
Last Revision:
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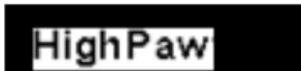
Alarm References:



Breathing Circuit Integrity (circuit disconnected)



Low Airway Pressure



High Airway Pressure



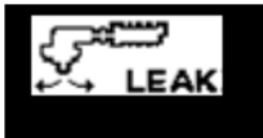
Low Minute Volume



High Minute Volume



Blocked Airway



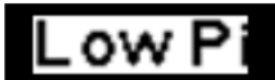
Leak (at 40% below set Vt)



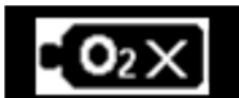
Invalid Setting



Setting Conflict



Low Inhalation Pressure



No Oxygen (<20 PSI)



Low Oxygen (<40 PSI)



High Input Pressure (>50PSI)



Empty Battery



Low Battery