

## Circuit Check

- Flashlight
- Cannula Site(s)
  - Bleeding
  - Flow/turbulence
  - Color change
  - Position/landmarks/ last X-ray
  - Clamps
  - Clots/fibrin
- Bridge
  - Stopcocks off to circuit or line clamped
  - Flush per policy
- Connectors
  - Cracks
  - Tubing security
  - Clots/fibrin
  - Pigtails clear?
- Stopcocks
  - Off to circuit and capped
  - Tight connection to luer lock
- Bladder
  - Volume
  - Air
  - Clots
- Roller Pump**
  - **Tubing integrity**
  - **Air**
  - **Blood flow setting – (*occlusion setting*)**
- Centrifugal Pump**
  - **Air**
  - **Blood flow/RPM setting**
  - **Gel**
- Oxygenator
  - Clots
  - Leaks
  - Vent port open
  - Sigh
- Pressure Monitors
  - Pressure readings
  - Pressure limits

- Bubble detector
  - Located venous side or arterial side
  - Occlusive vs non-occlusive
- Heater
  - Water bath temperature
  - Patient temperature
  - Water level
- Gas Flowmeter
  - Tubing connections to flowmeter and oxygenator
  - Gas source connections to wall outlets
  - Sweep and FiO<sub>2</sub> settings
- Blood Flowmeter
  - Correct direction of blood flow
- Clamps available at bedside
- Hospital generator electrical outlets/UPS utilized
- Hand crank

### Coming Off ECMO Emergently

- Clamp patient off circuit
  - VBA (roller)
  - AVB (centrifugal)
- Call for help
  - RN
  - RT
  - MD
  - Perfusionist
  - Surgeon
- Emergency ventilator settings
- Code drugs
- Blood bank