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

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- 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 FiO2 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