

Minimizing Infection Risk with the ELSA

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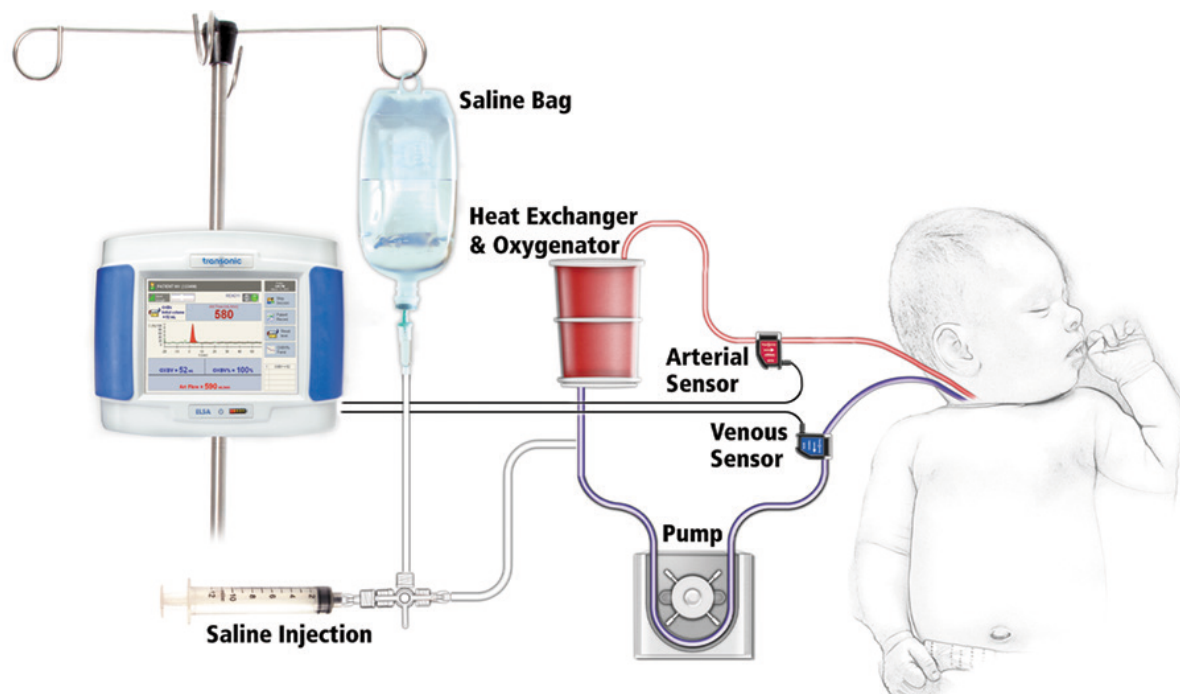
We recognize the importance and diligence required to minimize infection risks for ECMO patients. That is why we have established a way to obtain measurements with the ELSA Monitor while keeping infection control a priority. Using a closed system within the pre-membrane transducer site allows clinicians to give the saline bolus without accessing the circuit every time.

To maintain a closed system, connect a three way stop-cock to a syringe, IV tubing and a bag of saline (see figure below). Then configure this to join the pre-membrane transducer site. The specialists can then use the stopcock to fill

the syringe and give the saline flush when performing a REC and OXBV measurement with the ELSA.

Key Points

- Use a 10mL syringe for neonatal/ pediatric patients and 30mL syringe for adult patients.
- Be aware of pre-membrane pressure alarm, as it may be activated during flush depending on set-up.
- Diligence is required to eliminate bubbles within the line while giving the bolus. This is not likely to activate a bubble alarm. However, caution is advised.



ELSA System setup with touch screen computer/monitor. Note syringe, stopcock, saline bag and IV tubing. Flowsensors are clipped onto the tubing lines on either side of the oxygenator.

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