

Extracorporeal Life Support Safety Checklist

Review at the start of each shift with another VVE nurse and perfusionist if present. Tick to confirm completion, have each reviewer sign document and place in chart each shift.

- ☐ Confirm all power cords are plugged into the UPS wall outlet. Ensure A/C power light is illuminated (not battery power)
- ☐ Confirm oxygen and air pressure hoses are properly attached to the wall source. Ensure the **green gas** line is connected to the flowmeter and oxygenator
- ☐ Confirm the ECLS cart wheels are in the locked position
- ☐ Inspect the heater/cooler and ensure adequate water level and temperature targets
- ☐ Inspect the circuit for air, clots and/or fibrin strands
- ☐ Confirm the tubing is free of kinks and obstructions. Ensure arterial and/or venous lines are properly secured
- ☐ Confirm correct placement of flow sensors/probes
- ☐ Confirm all Luer lock connectors and/or caps are secure. Ensure all caps are non-vented
- ☐ Confirm correct alarm settings on all ECMO devices
- ☐ Confirm cannula securement, dressing integrity and sutures

Emergency Equipment and Response

Confirm emergency supplies are equipment

- ☐ 4 metal clamps **AND NO SCISSORS**
- ☐ Locate the hand-crack on the Cardiohelp
- ☐ Know where the backup Cariohelp and disposal ECMO circuit is located
- ☐ Test the battery status on the back up console
- ☐ Spare oxygen tank (ensure tank volume is full)
- ☐ Ensure completed head of bed sign is posted with emergency contacts.
- ☐ Review the location of the emergency call button.
- ☐ Locate emergency call button
- ☐ Review Crisis Action Plan with Perfusion, CCTC Consultant and Senior, Respiratory Therapy, Unit Clerk, Charge Nurse and coworkers in bay at the start of shift.
- ☐ Review all emergency protocols with partner/perfusion if present.

Date:	Time:
Print Name	Signature
Print Name	Signature
Print Name	Signature

