# VV Cannulation Checklist - PERFUSIONIST

## EQUIPMENT

- ❑ Tubing Clamps
- ❑ ECMO cart
- ❑ Full O2 tank (in transporting)
- ❑ Cannulation Cart
- ❑ Backup console available
- ❑ Heater/cooler available

## PRE-INITIATION CHECKLIST

- ❑ Console connected to power
- ❑ Console battery charged
- ❑ Circuit primed/de-aired
- ❑ Gas lines connected to source
- ❑ Gas blender functioning
- ❑ Gas line attached to oxygenator
- ❑ Appropriate size cannulas selected
- ❑ Connections secure and banded
- ❑ FIO2 set to 100%
- ❑ Prime lines removed
- ❑ Flow probe direction confirmed
- ❑ Minimum RPM set to 1800
- ❑ Lines clamped prior to separation
- ❑ Verify cannula placement and tubing connections
- ❑ Verify cannula connections are air free

## INITIATION CHECKLIST

- ❑ Verify anticoagulation bolus has been given
- ❑ Remove tubing clamp from venous line
- ❑ Remove tubing clamp from arterial/return line and confirm forward flow
- ❑ Turn sweep gas on at 1:1 with blood flow
- ❑ Increase RPM and move toward maintenance flow quickly
- ❑ Verify arterial/return line is red and venous line is dark
- ❑ Watch for increase in patient sats
- ❑ Reduce ventilator support towards rest settings

## IMMEDIATE POST INITIATION CHECKLIST

- ❑ Set high/low flow alarms once stable support has been established
- ❑ Continue to reduce pressors and increase flow to achieve support goals
- ❑ Recheck connections
- ❑ Consider recirculation when increasing flows to maintenance level
- ❑ Check cannulation sites
- ❑ Recheck connections
- ❑ Connect heater/cooler or alternative heat source
- ❑ Check blood gas and anticoagulation and adjust sweep gas for CO2 correction