**PrismaFlex Dialysis on ECLS:**

PURPOSE:

To outline the nursing/physician responsibilities when initiating PrismaFlex dialysis on ECLS.

SUPPORTIVE DATA:

PrismaFlex dialysis is indicated for the treatment of ECLS patients who are in catabolic acute renal failure with hypervolemia and uremia requiring high solute clearance not achievable with standard hemofiltration.

EQUIPMENT LIST:

* Primed PrismaFlex machine
* 2 high-flow 3-way stopcocks
* 2 pigtail clamps.

STEPS:

* Confirm that the PrismaFlex machine is fully primed and ready to use
* Remove the yellow cap from the de-airing port
* Clamp off the pre-oxygenator pigtail and replace stopcock with a 3-way high-flow stopcock, and prime new stopcock
* Clamp off superior post-oxygenator pigtail and replace 2-way stopcock with a **high-flow** stopcock, and prime new stopcock
* When PrismaFlex machine is ready for connection, attach the **inlet** side of the PrismaFlex tubing (red) to the superior post-oxygenator high-flow stopcock – make sure the PrismaFlex tubing is clamped
* Attach the **outlet** side of the PrismaFlex tubing (blue) to the pre-oxygenator high-flow stopcock – make sure the PrismaFlex tubing is clamped
* When ready to begin dialysis, unclamp the post-oxygenator pigtail, followed by the inlet (red) tubing of the PrismaFlex circuit, followed by the outlet (blue) tubing of the PrismaFlex circuit, followed by the pre-oxygenator pigtail.
* PICU team will advance the PrismaFlex flow until desired degree of dialysis is obtained.
* Monitor ECLS pressures and circuit for air as dialysis is established.
* Loosely replace yellow de-airing cap.
* Label inlet and outlet pigtails to PrismaFlex circuit.

DOCUMENTATION:

Document time that PrismaFlex dialysis was started and hourly volume changes in EMR