

ICU Prismaflex Protocol

(Important changes in RED)

Setting Up CRRT

Supplies (Gather all of these before you initiate treatment):

- ☐ CRRT Machine
- ☐ CRRT Filter Cartridge
- ☐ 3 – 1L bags of NS (0.9% normal saline) *
- ☐ 1 additional effluent bag
- ☐ 5L PrismaSol Dialysate boxes (Check your CRRT Order for the prescribed flow rates and bath concentration)
- ☐ 1 Sterile Y-Connector* (Item # 97381)
- ☐ 1 Sterile Spikes* (Item #97376)
- ☐ Line Change Date Labels
- ☐ Tubing for draining Effluent (2 – ¼"x12' tubing)
- ☐ Optional: Citrate and Calcium Gluconate if you are on a citrate protocol (Check your orders!)
- ☐ Multiple NS flushes
- ☐ Sterile Alcohol caps
- ☐ Sterile Red Caps
- ☐ *Always keep extra sterile y-connectors, spikes and 1L of NS at the bedside should you need to return or re-circulate emergently.

Initiation Procedure Checklist

- ☐ Perform Hand Hygiene and don clean gloves
- ☐ Turn on CRRT Machine
- ☐ Check the time on the machine – this is the only time you may change it.
- ☐ Follow all directions on screen for setup
- ☐ Enter your CRRT prescription into the machine from the CRRT Orders in EPIC. Double check it with another RN and continue
- ☐ Perform hand hygiene, put on new clean gloves
- ☐ Take an alcohol swab and scrub the access port for 5 seconds. Connect the Access Line (RED) to the access port. Repeat this process for the Return Line (BLUE). Ensure the clamps on the patient side and the line side are all unclamped.
- It is Emory's recommended practice to keep Tegos on the lines while running CRRT
- ☐ Start Treatment
- ☐ **Measure your Effluent Tubing against the top of the silver drainage wall box – this is 18" across. Make a mark on the tubing at 18" with the marker and push the**

tubing through the grommets in the wall box and down through the drain until you reach the mark. Do NOT use tape to hold this in place!

- ☐ **Attach the tubing to the bottom spout of the effluent bags**
- ☐ **Label your Filter, Effluent Bags and Effluent Tubing with the date to change labels and place a red cap on the effluent ports that connect to the machine, when they are not in use.**
- ☐ **Dispose of NS bag, spikes and y-connector. Perform Hand Hygiene and don clean gloves prior to any patient contact.**

Maintaining During CRRT

Supplies (Always have in your room if you are running CRRT):

- ☐ Tego Caps
- ☐ Red Caps
- ☐ NS flushes
- ☐ 1L NS
- ☐ Extra Effluent Bag
- ☐ Tubing for draining Effluent (2 – ¼"x12' tubing)
- ☐ Marker
- ☐ Date to Change Labels
- ☐ Sterile Y-Connectors (Item #97381)
- ☐ Sterile Spikes (Item #97376)
- ☐ Dialysis Catheter Line Manager
- ☐ Dialysis Catheter Dressing Change Kit
- ☐ Gauze (4x4) (For bleeding or emergencies)
- ☐ Surgicel or Quickclot (For bleeding or emergencies)
- ☐ Compression Dressing (For bleeding or emergencies)

Procedure

- ☐ At shift change check your line insertion site to make sure your dressing is clean, dry, intact, has a biopatch, alcohol caps on all ports, and is dated.
- If any of the K-card items are not compliant, please change your card to red and address the areas needed in the next 2 hrs.
- ☐ Check your settings in the orders to make sure there have not been any changes to treatment put in by Nephrology
- ☐ **Check the placement and integrity and date of change labels on your effluent bags and lines (especially in the wall box) and change as appropriate.**

- ☐ At shift change, make sure your hematocrit has been updated to the most recent hematocrit (this will ensure a proper filtration fraction and decrease chances of hemolysis).
- ☐ **Always work CLEAN to DIRTY:**
 - **If you touch the CRRT machine, effluent, wall box, etc., follow by practicing good hand hygiene and putting on new clean gloves.**

CRRT Effluent Protocol

Effluent bags and tubing should be changed every 72 hours or PRN

- ☐ Take the effluent bag out of the CRRT new filter set and hang it on the effluent scale when instructed to do so.
- ☐ Take the extra effluent bag that you grabbed to set up your CRRT with & hang it on the left side of the CRRT machine on the hooks. Place a red cap on the effluent port that connects to the CRRT machine (top right corner).
- ☐ **Grab 2 of the ¼" x 12' suction tubing.**
- ☐ **Attach the connection portion of the suction tubing to the effluent bag spout.**
- ☐ **On the other side of each set of tubing, cut off the connection end.**
- ☐ **Open the silver drain cabinet.**
- ☐ **Measure your Effluent Tubing against the top of the silver drainage wall box – this is 18" across. Make a mark on the tubing at 18" with the marker and push the tubing through each grommet in the wall box and down through the drain until you reach the mark or until you can no longer push the tubing in any further. (re-mark tubing if necessary).**
- ☐ **PERFORM HAND HYGIENE and DO NOT USE ANY TAPE**
- ☐ **Observe for displacement.**

Recirc or terminating CRRT

Can also be used to return blood, or do a saline recirculation for up to 2 hrs.

Supplies

- ☐ 1L 0.9% Normal Saline
- ☐ Saline Flushes
- ☐ Sterile Y-Connector (Item # 97381)
- ☐ Sterile Spike (Item # 97376)
- ☐ Red Biohazard Bag

Procedure

- ☐ The Prismaflex disposable set must be changed after 72 hours of use. Continued use beyond this limit could result in rupture of the pump segments.
- ☐ Select "Stop Treatment" Choose whether you need to return blood or return blood and saline recirculate.
- ☐ **If you are doing a saline recirculation, please dispose of the used effluent bags and tubing and use the CRRT Effluent Protocol above to replace.**
- ☐ Follow the instructions on the screen for returning blood to your patient and disconnecting from the patient.
- ☐ Place an alcohol cap on each lumen.
- ☐ After the patient has been disconnected and your filter has been disposed of in a red biohazard bag, please wipe down your CRRT machine with purple wipes and place the clean machine back in the clean equipment room
- **If your patient is on precautions that require Tru-D, please wipe down with purple wipes and leave in the room until Tru-D cleaning has been completed. Then, store in clean equipment room.**