



CRRT POWERPLAN GUIDELINES - HMC

The Continuous Renal Replacement Therapy (**CRRT**) PowerPlan can be used for the entire length of treatment (up to 14 days) and includes:


- **Treatment Orders:** Continuous Veno Venous Hemofiltration and Hemodiafiltration.

<input type="checkbox"/>	 Continuous Veno Venous Hemofiltration
<input type="checkbox"/>	 Continuous Veno Venous Hemodiafiltration

- **Medications:** Sodium Chloride, Replacement Fluid, Dialysate Fluid, Heparin, Sodium Citrate, Calcium Chloride, PRN Dialysis Catheter Locks, and Electrolyte Replacements.



- ① Review the Medication Guidelines to assist you with your order.

	HEPARIN GUIDELINES: 1. Recommended systemic PTT range = 40-60 seconds. 2. Start heparin infusion at 10 units/kg/hr (round to the nearest 100 units). 3. Refer to Heparin Infusion Titration Guidelines for dosing adjustments.
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









- **Lab Orders:** CRRT-specific surveillance labs are pre-selected in the PowerPlan. These are distinguishable from other lab orders by the “CRRT” text in the order details. Lab values are a basis for ordering additional ERT product based on the guidelines listed in the order details. This process is nurse managed.

- ① Follow the specimen draw schedule listed in the PowerPlan. Redrawing a lab is only indicated if a new order is entered by a Practitioner.

- **Communication:** Includes instructions to call the provider when the CRRT is initiated, and **CRRT Reviewed**.

Subsequent CRRT Treatment Orders

- Use the **Subsequent CRRT Treatment Orders** sub-phase under **PT Care/ Nursing** section for additional treatment orders.

NEPH CRRT HMC, Subsequent CRRT Treatment Orders (Planned Pending), Ordered as: CRRT	
Pt Care / Nursing	
CVVHD	
<input type="checkbox"/>	 Continuous Veno Venous Hemofiltration
<input type="checkbox"/>	 Continuous Veno Venous Hemofiltration
<input type="checkbox"/>	 Continuous Veno Venous Hemofiltration
<input type="checkbox"/>	 Continuous Veno Venous Hemofiltration
<input type="checkbox"/>	 Continuous Veno Venous Hemofiltration
CVVHDF	
<input type="checkbox"/>	 Continuous Veno Venous Hemodiafiltration
<input type="checkbox"/>	 Continuous Veno Venous Hemodiafiltration
<input type="checkbox"/>	 Continuous Veno Venous Hemodiafiltration
<input type="checkbox"/>	 Continuous Veno Venous Hemodiafiltration
<input type="checkbox"/>	 Continuous Veno Venous Hemodiafiltration

Additional Information

Anticoagulation Orders

Heparin:

- Heparin dose titration and administration is **managed by the nurse**. The PowerPlan contains Reference Text for dose titration guidelines.






Sodium Citrate:

- Sodium Citrate dose titration is **managed by the practitioner**.

Calcium Chloride Orders

- Calcium Chloride dose titration and administration is **managed by the nurse**. The PowerPlan contains Reference Text for dose titration guidelines.

Electrolyte Replacement Orders

Electrolyte Replacements	
	Please discuss with ICU service regarding the discontinuation of standing ICU PRN electrolyte replacement orders for potassium and phosphate.
<input checked="" type="checkbox"/>	 potassium chloride 20 mEq, IVPB, On Call, PRN Potassium Abnormal, CRRT For K < 3.4 mEq/L RN: Request KCl replacement based on routine lab results.
<input checked="" type="checkbox"/>	 potassium chloride 40 mEq, IVPB, On Call, PRN Potassium Abnormal, CRRT For K < 3 mEq/L RN: Request KCl replacement based on routine lab results.
<input checked="" type="checkbox"/>	 sodium phosphate 20 mEq, IVPB, On Call, PRN Phosphate Abnormal, CRRT For PO4 < 3 mg/dL RN: Request PO4 replacement based on routine lab results.
<input checked="" type="checkbox"/>	 sodium phosphate 40 mEq, IVPB, On Call, PRN Phosphate Abnormal, CRRT For PO4 < 1.5 mg/dL RN: Request PO4 replacement based on routine lab results.

- Electrolyte replacement therapy is administered via IVPB. Administration and orders for additional product, if indicated, is **nurse managed**.
 - ICU electrolytes have to be discontinued by the primary team.
- ① The threshold lab values at which electrolyte replacement is initiated in CRRT differs from normal ICU values.