

☐ Harmonized	SET	ORDER			
Height: c	m Weight:	kg			
□ No Known Allergies	Allergies:				
	r or subclavian site: Er med by MD prior to us kg		has been ordered, լ	performed and	
Initial Bloodwork (i	f not already done thi	•	sion)		
☑ Ionized calcium☑ Potassium☑ Albumin☑ POCT ABG☑ CBC	SodiumTotal CO₂PhosphateCreatinineINR	Magnesium	⊠ Glucose	□ HBsAg	
as per the nomog	hloride bolus(es) prior ram below:	to starting CRRT i	if pre-CRRT ionized	calcium is low,	
Patient's Ion		Calcium Chl	oride Bolus		
Less than 0.76 mmol/L		Give 3 g calcium chloride (1 g in 100 mL NaCl over 1 hour x 3), then repeat ionized calcium in 1 hour and follow this nomogram			
0.76 – 0.85 m	mol/L	Give 2 g calcium chloride (1 g in 100 mL NaCl over 1 hour x 2), then repeat ionized calcium in 1 hour and follow this nomogram			
0.86 – 0.95 mmol/L		Give 1 g calcium chloride (1 g in 100 mL NaCl over 1 hour), then repeat ionized calcium in 1 hour and follow this nomogram			
0.96 – 1.14 mmol/L		Give 1 g calcium chloride (1 g in 100 mL NaCl over 1 hour), then start CRRT			
1.15 mmol/L or greater		No calcium chloride bolus, start CRRT			
☐ Notify nephrologing is not started with	st if the patient's ionize in hours	d calcium remains	less than 0.96 mm	ol/L and CRRT	
			QL. I		
Date: Time:		Time:		Time:	



Height: c	m Weight: _	kg				
□ No Known Allergies	Allergies: _					
CRRT Setup						
 Mode: Continuous Venovenous Hemodiafiltration (CVVHDF) □ Prismaflex Filter Set (select one) □ ST150 (default) □ ST100 □ Other (specify): (HF1400 (Polysulphone) can be considered for patients on ACE inhibitor in last 24 hours) □ Prime with one litre of 0.9% NaCl □ Re-prime with second litre of 0.9% NaCl □ Update most recent hematocrit in CRRT program at least once daily 						
Blood Flow Rate (BFR) pump ☑ Start blood flow rate at 150 mL/min. May adjust BFR from 130 to 180 mL/min prn to keep access pressures between -50 and -220 mmHg						
Pre Blood Pump (PBP) anticoagulation solution (via PBP scale on Prismaflex, White) □ Low concentration 18/0 citrate (citrate=18, citric acid=0, Na=140, Cl=86) with a starting target citrate concentration of: □ 3 mmol/L (default) OR □ 2 mmol/L (liver failure precautions) OR □ Other mmol/L □ Adjust the target citrate concentration based on the post-filter ionized calcium as per the CRRT Low Concentration 18/0 Citrate Solution Infusion Protocol						
Note: the low concentration 18/0 citrate solution flow rate contributes to the CRRT dose at a correction factor of 80 – 90% (correction for pre-dilution)						
Calcium Replacement ☐ 10% calcium chloride in 50 mL by syringe pump (labelled Calcium Chloride 5 grams – 680 mmol/L). Starting calcium compensation is: ☐ 90% OR ☐ 100% (default) OR ☐ 110% OR ☐ Other% ☐ Adjust as per the CRRT Calcium Chloride Solution Infusion Protocol						
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Practitioner:		Nurse:		Clerk:		
Signature: Time:		Signature: Time		Signature:		
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Height: c	m Weight:	kg				
☐ No Known Allergies	Allergies:					
CRRT Setup Contin	nued					
Dialysate Solution		e Pump (Green)				
☐ Prism OCAL B22	(default)					
(Bicarb=22, Ca=0, Na=140, Cl=119.5, Mg=0.75, lactate=0, glucose=0, K = 0)						
	n for final cor	ncentration of	mmol/L (u	usually 4 – 5 mmol/L)		
OR						
PrismOCAL	0 O0 N	I440 OL-400 M	-0.5	0 . (/ - 0)		
•		Na=140, Cl=106, Mg	. •	,		
	n for final cor	ncentration of	mmol/L (I	usually 4 – 5 mmol/L)		
Other (specify):						
☐ Other (specify)						
☐ Dialysate Rate: _	mL/I	nr (usually 10 mL/kç	g/hr rounde	ed up to the nearest 50 m	ıL/hr)	
Replacement Solution via Replacement Pump (Purple) PrismOCAL (default) (Bicarb=32, lactate=3, Ca=0, Na=140, Cl=106, Mg=0.5, glucose=0, K = 0) Add Potassium for final concentration of mmol/L (usually 4 – 5 mmol/L)						
OR						
PrismOCAL B22	N 440 0	440 5 14 0 75 1		0.14 0)		
•		=119.5, Mg=0.75, la		•		
Add Potassium for final concentration ofmmol/L (usually 4 – 5 mmol/L)						
OR Other (specify):						
Replacement Rate: mL/hr (usually 6 mL/kg/hr when using a citrate target of 3 mmol/L (default) or 11 mL/kg/hr when using a citrate target of 2 mmol/L (liver failure precautions) rounded up to the nearest 50 mL/hr)						
Practitioner:		Nurse:		Clerk:		
Signature:		Signature:		Signature:		
Date: Time:		Date: Time:		Date:Time:	· · · · · · · · · · · · · · · · · · ·	



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		•	•		•
***Note: Patient flui (intake – output) *** Maintain neutral to per hour rough for the country of the country	per Hour (select one d removal rate PFRI palance (zero net fluic net (i.e600 mL/24 he net (i.e1,200 mL/24 net (i.e2,400 mL/24 move val rate:	R = desired I loss/hour) ours net) hours net) 4 hours net) mL per hour r	net	
If patient has incr	ent fluid removal rate ease in inotrope requ noval rate not to be included in	irements, R			and/or intensivist
35 - 38°C) ⊠ Nurse to adjust to	e: Off OR 37 o maintain patient nor er if patient's tempera	mothermic (unless ordere	ed otherwise	, ,
machine, clamp a	ncy OR severe hypotencess and return presong the patient to be possion as possion as possion.	ssure ports, rematurely	disconnect p	atient	
Practitioner:	Signature:	Time:	:	Signature:	Time:
Date: Time:	Dale:	rime:		Date:	HIHE.



Height: c	m Weight: _		g			
□ No Known Allergies	Allergies:		,			
Creatinine, Urea, Terminating Treatm	lonized Cal osphate, M CBC, INR, nent & Car	lagnesium, Poi PTT, Glucose, e of Catheter	, Sodium, Chloride nt of Care Arterial Post-filter Ionized o lock catheter line	Blood Gases (Po Calcium		
<u> </u>	lumen vol	umes to lock ca	atheter lines			
Other Orders ☐ When CRRT is initiated and terminated, notify Pharmacist to review medication dosing ☐ When CRRT is initiated, stop the calcium replacement protocol and magnesium replacement protocol from the Electrolyte Replacement Protocol in Critically III Adults if ordered ☐ When CRRT is initiated, start the CRRT Magnesium Protocol ☐ Once CRRT is terminated, resume the calcium replacement protocol and magnesium replacement protocol from the Electrolyte Replacement Protocol in Critically III Adults if previously ordered ☐ When CRRT is terminated, stop CRRT lab work and resume lab work as per critical care orders ☐ If the delivered CRRT dose was under 20 mL/kg/hr over the last 24 hours, notify nephrologist within the next 12 hours ☐ If there is no access to obtain bloodwork (i.e. no arterial line or other central line) and peripheral bloodwork cannot be obtained, CRRT patient venous bloodwork can be drawn from the red access port with a 22-gauge needle after pushing "Change Bags" on the CRRT machine (blood circulates but all fluid flows including the calcium infusion stop) and waiting 30 seconds to allow equilibration						
Additional Orders						
Practitioner:		Nurse:		Clerk:		
Signature:		Signature:		Signature:		
Date: Time:		Date:	Time:	Date:	Time:	