

Citrate CVVH prescription- Ward 215

Date _____ Name _____ DOB _____ Pt Weight (kg) _____

Filter used _____ Access _____ Dressing Change _____ Device number _____
 (Filter generally AV1000)

Date			
Treatment- (Ci-Ca)			
† Calcium start rate(then A.P.P.)			
* Citrate start rate (then A.P.P.)			
Dialysate – K4 x 4 bags Or K2 x 2 bags if K>6.5mmol/L			
* Dialysate flow rate			
* Blood flow rate			
Dialysis Temp (35-39°C)			
Doctor’s Signature			
MFT PRO SET UP	Date/time/ Signature nurse 1	Signature nurse 2	
Set up by: (date/time/ 2 signatures)			
Set up by: (date/time/ 2 signatures)			
Set up by: (date/time/ 2 signatures)			

(†- see table 1 below / *- See table 2 below / A.P.P – As Per Protocol)

Ultrafiltration rate and changes – Medical prescription

Date and time				
UF rate (mls/hr)				
Signature/Print				

Note: Need to prescribe in Kardex (see exemplar) / See “Quick guide” for exceptions

- CiCa Dialysate K4- rate 25mls/kg/hr (use table 1 for rough estimate. Qd:Qb 20:1 ratio)
- Sodium Citrate 4% 1500 mls- as per protocol
- Calcium Chloride 100mmol/1000mls – as per protocol

Table 1: Calcium start rate – note: prescribe rate as advised in table (no need to adjust for filtrate volume)

Systemic ionised Calcium (mmol/L) (Arterial Line)	<1.01	1.01 – 1.11	1.12 – 1.20	1.21 – 1.45	>1.45
Calcium chloride pre-treatment bolus?	Yes	Yes	No	No	No
Starting prescription of calcium chloride (mmol/L <u>of filtrate</u>)	2.2	2.0	1.9	1.5	1.4

Table 2 – Citrate/Dialysate and blood flow rates. Based on approx. 25ml/kg/hour

Weight	<60kg	60-69kg	70-79kg	80-89kg	>90kg
Dialysate flow rate (ml/hr)	1400	1600	1800	2000	2200
Blood flow rate (ml/min)	70	80	90	100	110
Citrate dose (mmol/L)	4.0	4.0	4.0	4.0	4.0
Ultrafiltration rate (ml/hr)	CLINICIAN DECISION ON INDIVIDUAL PATIENT BASIS				