



Harmonized

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Authorized to

- Critical Care Nurses trained in Continuous Renal Replacement Therapy (CRRT) at Lakeridge Health

Patient Population Description

- Critical care patients receiving CRRT using *CRRT Using Low Concentration 18/0 Citrate Solution and The Prismaflex System Order Set.*

Contraindications to Implementing the Protocol

- Patients less than 16 years of age
- Patient unwilling or unable to provide a blood sample for bedside or laboratory testing
- Refusal of patient/family consent for treatment; notify Most Responsible Practitioner (MRP) immediately

Protocol Description

Upon receipt of an order for CRRT Intravenous Magnesium Protocol the authorized implementer will follow the nomogram in Table 1:

Table 1

Magnesium Level (mmol/L)	IV Magnesium Dose (peripheral or central)	Repeat Magnesium Level and follow this nomogram
0.65 – 0.74	2 g/50 mL over 1 hour	With usual CRRT lab work
0.55 – 0.64	4 g (2 g/50 mL over 1 hour q1h X 2)	4 hours after magnesium infusion completed
Less than 0.55	6 g (2 g/50 mL over 1 hour q1h X 3) and call nephrologist	2 hours after magnesium infusion completed

Review/Evaluation Process

Every 2 years



Related Documents

- CRRT Low Concentration 18/0 Citrate Solution Infusion Protocol
- CRRT Calcium Chloride Solution Infusion Protocol
- CRRT Using Low Concentration 18/0 Citrate Solution and The Prismaflex System Order Set