

Subject: ALS Medication – Paramedic
Calcium Chloride Administration Policy

- I. Class
Electrolyte.
- II. Indications
 - A. Hyperkalemia in renal dialysis patients.
 - B. Cardiac Arrest in the renal dialysis patients.
 - C. Hypocalcemia.
 - D. Calcium channel blocker toxicity.
 - E. Magnesium sulfate overdose or signs of toxicity.
- III. Therapeutic Effects
Increases serum calcium levels.
- IV. Contraindications
 - A. Absolute
 - 1. Hypercalcemia.
 - B. Relative
 - 1. Digitalis therapy (Use with caution, may cause ventricular fibrillation or bradycardia).
- V. Administration and Dosage
 - A. Adult
 - 1. One (1) GM over 10 minutes for all indications except hypermagnesemia and cardiac arrest.
 - 2. Cardiac Arrest: 1(one) Gram IV push.
 - 3. Hypermagnesemia: 500 mg over 5 minutes.
 - 4. Repeat as needed if CNS depressions persist.
 - B. Pediatric
 - 1. 20-25 mg/kg (0.2-0.25 ml/kg) of 10% solution, IV slowly over 60 seconds.
- VI. Special Information
 - A. Precipitates if mixed with Sodium Bicarbonate (into Calcium Bicarbonate).
 - B. Potent local irritants at injection site.
- VII. Adverse effects include bradycardia, asystole, hypotension, nausea and vomiting, and/or peripheral vasodilatation
- VIII. Base Orders
Standing Order if no contraindications exist.