NAPA COUNTY EMS AGENCY

Calcium Chloride

MEDICATION REFERENCE CARD

INDICATION	• Cardiac arrest when hyperkalemia is suspected in renal dialysis patients. • Suspected hyperkalemia in crush injury patients.
CONTRA-INDICATION	• History of digitalis use, unless in the setting of cardiac arrest. • Respiratory failure • Hypercalcemia
SIDE EFFECTS	• Peripheral vasodilation • Localized “burning” sensation
ADULT DOSE	**C-02:** Asystole/Pulseless Electrical Activity • IV/IO slow IVP 1G of 10% calcium chloride **T-04:** Crush Syndrome • 1 gm slow IVP over 60 seconds
PEDIATRIC	***NOT LOCALLY INDICATED FOR PEDIATRIC PATIENTS***
CAUTION	• Necrotic to tissue, avoid extravasation. • IV line should be flushed between administration of Calcium Chloride and Sodium Bicarbonate.
ACTIONS	• Electrolyte replacement; provides Ca^{2+} and Cl^- ions, which are normal constituents of body fluids and are dependent on various physiological mechanisms for maintenance of balance between intake and output. Ca^{2+} is essential for the functional integrity of the nervous and muscular systems, is necessary for normal cardiac function, and is one of the factors that operates in the mechanisms involved in the coagulation of blood.
GUIDELINE	• **C-02:** Asystole/Pulseless Electrical Activity • **T-04:** Crush Syndrome