



Yolo County Emergency Medical Services Agency

Quick Reference

Revised Date: December 14, 2018

Medication Profile

Calcium Chloride 10%

Class:

Electrolyte

Action:

Replenishes a necessary element (Ca++) which is necessary for nerve and muscle function, as well as cardiac function and blood clotting. Increases contractile force (inotrope), prolongs systole, and increases myocardial automaticity.

Onset: Immediate

Peak: N/A

Duration: 0.5-2 hours

Indications:

Hyperkalemia associated with crush injury

Contraindications:

No absolute contraindications

Side Effects:

CV: Hypotension, bradycardia arrhythmias, cardiac arrest, venous thrombosis

CNS: Headache, confusion, psychosis, brain cell injury

GI: Nausea, vomiting, anorexia

MS: Joint pain

GU: Polyuria

Notes:

- IV line must be flushed between Calcium Chloride and Sodium Bicarbonate to avoid precipitation.
- Observe IV site closely. Extravasation may result in tissue necrosis. Slow IV push.

This document is not a substitute for Protocols and Procedures.

Effective Date: January 1, 2019

Page 1 of 1