

# Calcium Chloride

<a href="#">Adult Medical Hyperkalemia</a> <a href="#">Evaluation of H's and T's in Cardiac Arrest</a>		
P	Adult	1 Gram IV/IO Slow IV push
	Pediatric	Not Indicated
<a href="#">Adult Medical Drug Overdose- Calcium channel blocker overdose with hypotension and bradycardia</a> <a href="#">Pediatric Medical Drug Overdose</a>		
P	Adult	1 Gram IV/IO Slow IV push. Dose may be repeated every 10 minutes for total of 3 doses
	Pediatric	20 mg/Kg (0.2mL/Kg) IV/IO slow IV push (over 5 minutes) maximum 1 gram. May repeat every 10 minutes for a total of 3 doses

## Class:

- Electrolyte Replacement

## Description of Use:

- Essential for the function and integrity of the nervous, muscular, and skeletal systems. Plays an important role in normal cardiac and renal functions, respiration, blood coagulation, cell membrane and capillary permeability. Assists in regulating the release and storage of neurotransmitters and hormones

## Pharmacokinetics: (Route: IV)

- Onset: Unknown
- Duration: Unknown
- Half-life: Unknown

## Special Populations:

- Pregnancy Category: C
- Pediatrics: Restrict IV use due to small vasculature
- Elderly: Oral absorption may be decreased

## Contraindications:

- Digoxin toxicity, hypercalcemia, ventricular fibrillation
- Cautions: History of renal calculi, chronic renal impairment

## Adverse reactions:

- Peripheral vasodilation, local "burning" sensation, decreased BP
- Extreme irritation, possible tissue necrosis or sloughing with IV