

CALCIUM CHLORIDE (CaCl₂)
(Base Hospital Order Only)

Classification: Electrolyte

Actions:

1. Acts as an activator in transmission of nerve impulses and contraction of cardiac, skeletal, and smooth muscles.
2. Maintains cell membrane and capillary permeability.

Indications:

1. Cardiac arrest or significant instability associated with hyperkalemia (suspect in renal failure) or Ca channel blocker toxicity.
2. Overdose on Calcium Channel Blocker medications.
3. Signs of Magnesium toxicity:
 - Hyporeflexia (see notes)
 - Respiratory Depression
 - New onset altered mental status
 - New onset of cardiac rate and rhythm changes

Contraindications: **Hypercalcemia**

Adverse Effects:

Cardiovascular
Cardiac arrest

Metabolic
Hypercalcemia

Administration: **ADULT DOSE**
1 Gm slow IVP/IO

PEDIATRIC DOSE
20 mg/kg slow IVP/IO not to exceed 500 mg per dose

Onset: Immediate

Duration: 30 minutes - 2 hours

Notes:

- Calcium Chloride will precipitate if in a solution with Sodium Bicarbonate
- Hyporeflexia is indicated by decrease or loss of deep tendon reflexes