

CALCIUM CHLORIDE (CaCl) PUBLIC COMMENT JULY 2024

ACTION: Electrolyte

- Increases calcium levels necessary for cardiac contractility.
- Stabilizes the myocardium in hyperkalemia or hypocalcemia associated cardiac arrhythmias.

INDICATIONS:

- Hyperkalemia.
- Hypocalcemia with tetany.
- Calcium channel blocker overdose/toxicity.
- Hypermagnesemia.

CONTRAINDICATIONS:

- Use with extreme caution in patients taking digitalis compounds.

POTENTIAL SIDE EFFECTS:

- Bradycardia and asystole.
- V-Fib.
- Hypotension.
- Nausea and vomiting.

ADULT DOSE/ROUTE:

- ⇒ **Hyperkalemia and calcium channel blocker overdose:** ~~500mg~~ 1g IV/IO ~~over 5 min~~ IVP, may repeat in ~~2-5~~ minutes (~~max dose of 1000mg~~); until ECG changes improve, up to a ~~Max dose~~ cumulative amount of 4g.

PEDIATRIC DOSE/ROUTE:

- ⇒ 20 mg/kg IVP or IO up to 1g per dose over 5 min. May repeat in 5 minutes up to a ~~cumulative~~ Max dose amount of 24g.

NOTES:

- Ensure that you have patent IV line as calcium extravasation will cause tissue necrosis.
- Calcium precipitates in IV bag or tubing if mixed with sodium bicarbonate. Flush IV in between medications.