

CALCIUM CHLORIDE 10%

PHARMACOLOGY & ACTIONS:

- Increases the force of myocardial contraction by initiation of myofibril shortening.
- The positive inotropic effects and vasoconstricting effects produce a rise in systemic arterial pressure.

INDICATIONS:

- In cardiac arrest setting:
 - Hyperkalemia secondary to renal failure.
 - Hypocalcemia due to multiple blood transfusions.
 - Known or suspected calcium channel blocker overdoses.

CONTRAINDICATIONS:

- CANNOT BE ADMINISTERED WITH SODIUM BICARBONATE
- In presence of sodium bicarbonate, calcium salts will precipitate as carbonates.

ADMINISTRATION:

- Dose is 2- 4 mg/kg of 10% (100mg/cc) solution IV push.
- May be repeated if necessary

SIDE EFFECTS & ACTIONS:

- Extremely important to flush the IV line between administration of sodium bicarbonate and calcium chloride to avoid precipitation.
- May produce coronary and cerebral artery spasms.
- Should be used with caution in patients receiving digitalis; may precipitate toxicity

CLASS: A

PROTOCOL(S) USED IN: ACLS