

SODIUM BICARBONATE

PHARMACOLOGY & ACTIONS:

- An alkalotic solution which neutralizes acids found in the blood
- Acidosis depresses cardiac contractility, and the cardiac response to catecholamine and makes the heart more likely to fibrillate.

INDICATIONS:

- To reverse acidosis found during cardiac arrest or near-drowning victims.
- Make the heart more receptive to conversion from VF, asystole, or PEA by normalizing the pH.
- For alkalization of urine in certain poisoning & overdoses.

CONTRAINDICATIONS:

- None noted

ADMINISTRATION:

- Adult & pediatric dose: Cardiac arrest - 1 mEq/kg initially followed by .5 mEq/kg every 10 minutes.

SIDE EFFECTS & SPECIAL NOTES:

- Should not be given in with catecholamine or calcium.
- May increase cerebral acidosis, especially in diabetics who are ketotic.
- Metabolic alkalosis which is impossible to reverse
- In respiratory arrest without cardiac arrest, the treatment of choice is ventilation, no sodium bicarbonate unless cardiac arrest has occurred & the patient does not respond to adequate ventilation or other standard ACLS treatment modalities.

CLASS: A

PROTOCOL(S) USED IN: ACLS, Overdose

