



**Oakland County**  
**MEDICATION SECTION**  
**SODIUM BICARBINATE**

Initial Date: 10/25/2017  
Revised Date: 10/01/2021

Section 9.41

***Sodium Bicarbonate (NaHCO<sub>3</sub>)***

**Protocols:**

1. Excited Delirium
2. Adult and Pediatric Cardiac Arrest – General
3. Poisoning/Overdose
4. Crush Injury


**Indications:**

1. Cardiac arrest with suspected hyperkalemia
2. Tricyclic antidepressant (TCA)
3. To cause alkalization in significant acidosis

**Contraindications:**

1. Hypersensitivity to sodium bicarbonate
2. Severe pulmonary edema
3. Known Alkalosis

**Dosing:**

1. Adults in Excited Delirium: 50 mEq IV
-  2. Adult and Pediatric Cardiac Arrest: 1 mEq/kg IV/IO
3. TCA overdose with widened QRS
  - a. Adults 50 mEq IV, repeat as needed.
  - b. Pediatrics 1mEq/kg IV, repeat as needed.
  - c. May be repeated to narrow QRS and improve blood pressure
4. Crush Injury: 1 mEq/kg IV/IO, max dose 50 mEq

**Precautions:**

1. Must flush IV line between medications
2. Administer slowly
3. Only given if acidosis is suspected