

**CENTRAL CALIFORNIA**  
**EMERGENCY MEDICAL SERVICES**  
A Division of the Fresno County Department of Public Health

Manual	Emergency Medical Services Administrative Policies and Procedures	Policy Number 540.13
Subject	Critical Care Paramedic Treatment Protocols  <b>SODIUM BICARBONATE INFUSION</b>	Page 1 of 1
References	California Code of Regulations Title 22, Division 9, Chapter 4	Effective 06/01/2018

I. PURPOSE

To authorize CCPs to monitor and adjust existing intravenous sodium bicarbonate infusions during scheduled interfacility transport.

II. POLICY

- A. Only authorized CCPs will be permitted to monitor of discontinue sodium bicarbonate infusions during scheduled interfacility transports.
- B. **CCPs may not initiate sodium bicarbonate infusions.**

III. PROCEDURE

- A. The following parameters shall apply to all patients with pre-existing Sodium bicarbonate infusions:
  1. The infusion concentration and regulation of the infusion rate will occur within the parameters as defined by the transferring physician and shall be consistent with Policy 540 Attachment A - CCEMSA CCP Transfer Form
  2. In cases of **overcompensation resulting in metabolic alkalosis presenting as 1) impaired tissue perfusion, or 2) water overload** the medication infusion will be discontinued and the transferring physician and Base Hospital notified.
  3. **Additional precautions** for the use of sodium bicarbonate infusions are as follows:
    - a. Inactivates catecholamines
    - b. Precipitates calcium salts
    - c. Extravasation into subcutaneous tissues may cause scleroses small veins and/or local chemical burn
    - d. Intracranial hemorrhage in newborns (hyposmolality) – use only 4.2% bicarbonate for ages <3 months

Approved By	<b>Daniel J. Lynch</b> (Signature on File at EMS Agency)	Revision
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