

	1753	Critical Care Paramedic Magnesium infusion
Nor-Cal EMS Policy & Procedure Manual	Treatment Guidelines	
Effective Date: 11/04/2022	Next Revision: 11/04/2025	
Approval: Jeffrey Kepple MD – MEDICAL DIRECTOR	SIGNATURE ON FILE	

Authority

Health and Safety Code Division 2.5, California Code of Regulations, Title 22, Division 9, Chapter 4, Article 2.

Purpose

To provide a mechanism for Critical Care Paramedics (CCPs) to provide Magnesium infusions during transports.

- **ONLY** for NorCal EMS Agency accredited CCPs who have successfully completed training program(s) approved by the Nor-Cal EMS Agency Medical Director.
- **ONLY** for CCP ambulance provider agencies approved by the Nor-Cal EMS Agency.
- **CCPs will not initiate Magnesium infusion on non-interfacility transport.**

Policy

1. CCP are permitted to monitor and adjust Magnesium infusions during interfacility transports; and may initiate infusion with Physician consultation.

Signed transfer order from the transferring physician must provide for maintaining and adjusting infusions during transport.

Prior to transport confirm:

- Continuously monitor ECG, Spo2 with vital signs obtained and documented every 5 minutes
- Regulation of the infusion rate will occur within the parameters as defined by the transferring physician
- Administer Magnesium as per physician orders. If no orders may use guidelines below.

Magnesium guidelines

ECLAMPSIA: 4 Grams in a 50 or 100ml bag of saline, given over 20 minutes
Followed by 2 grams/hour and contact of transferring physician

Torsades: 2 gms over 1-2 minutes

Respiratory: 50mg/kg in a 50 or 100ml bag of saline, given over 20 minutes. Max Dose 2 Grams.

After initiating Magnesium: physician contact required.