



**Department of Health Services**

Timothy W. Lutz  
Director

**Divisions**

Administration  
Behavioral Health  
Primary Health  
Public Health

**County of Sacramento**

**Date:** August 8, 2025

**To:** All Sacramento County Emergency Medical Services Agency  
(SCEMSA) Stakeholders

**From:** Dr. Gregory Kann, SCEMSA Medical Director

**Subject:** Magnesium Sulfate

Effective **November 1, 2025**, all ALS units will be required to carry **250mL Normal Saline (NS) bags** to support policy updates involving the **administration of magnesium sulfate**.

**Guideline for use of Magnesium Sulfate:**

*PD#8003 – Seizures*

- If known or suspected pregnancy (greater than 20 weeks) OR if possible pregnancy within the last 6 weeks, administer magnesium sulfate even if seizure has resolved.

Magnesium Sulfate:

-10g IM (5 g in each buttock) OR 6g IV/IO in 250mL NS, infusion over 10 minutes.

*PD#8026 – Respiratory Distress*

Magnesium Sulfate:

-2g IV/IO in 250mL NS, infusion over 10 minutes

*PD#8031 – Non-Traumatic Cardiac Arrest*

- Polymorphic Ventricular Tachycardia (Torsades de Pointes)

Magnesium Sulfate:

-2g IV/IO over 1-2 minutes

\*May be given at any time after the first epinephrine dose.

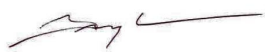
*PD#9003 – Pediatric Respiratory Distress*

- For moderate to severe exacerbations

Magnesium Sulfate:

-50 mg/kg to a maximum dose of 2g IV/IO in 250mL NS, infusion over 10 minutes.

If you have any questions or concerns, please contact Jenna Alexander at [alexanderjen@saccounty.gov](mailto:alexanderjen@saccounty.gov) or (916)268-0417.

  
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Gregory Kann MD FACEP  
Medical Director  
Sacramento County EMS Agency