

## MAGNESIUM SULFATE

<b>THERAPEUTIC EFFECTS</b>	Blocks neuromuscular transmission and decreases the amount of acetylcholine liberated at the end plate of the motor nerve impulse.		
<b>INDICATIONS</b>	<ol style="list-style-type: none"> <li>1. Control of seizures in severe toxemia of pregnancy</li> <li>2. May be effective in treatment of V-fib or pulseless V-Tach if hypomagnesemic state or Torsades de Pointes is suspected.</li> <li>3. Asthma exacerbation not responding to the first line treatments following contact from Medical Control.</li> </ol>		
<b>CONTRAINDICATIONS</b>	Should not be given to mothers with toxemia of pregnancy during the 2 hours immediately preceding delivery.		
<b>PRECAUTIONS/SIDE EFFECTS</b>	Because magnesium is removed from the body solely by the kidneys, this drug should be used with caution in patients with renal impairment. Clinical indications of a safe dosage regimen include the presence of the patellar reflex and absence of respiratory depression.		
<b>ADULT DOSAGE/ROUTE</b>	<p><b>Indication 1</b></p> <p>4 gm of 50% solution diluted with 20 mL normal saline IV/IO. 4 gm of 50% solution, IM</p>	<p><b>Indication 2</b></p> <p>1-2 gm of 50% solution diluted in 10 ml normal saline, IV/IO</p>	<p><b>Indication 3</b></p> <p>1-2 gm of 50% solution diluted in 10 ml normal saline, IV/IO over 10 to 20 minutes</p>
<b>PEDIATRIC DOSAGE/ROUTE</b>	<p><b>Indication 2</b></p> <p>25-50 mg/kg of 50% solution diluted with 5-10 ml normal saline IV/IO over 10-20 minutes. Maximum dose is 2 gm.</p>		