

MAGNESIUM SULFATE

THERAPEUTIC EFFECTS	Blocks neuromuscular transmission and decreases the amount of acetylcholine liberated at the end plate of the motor nerve impulse.		
INDICATIONS	<ol style="list-style-type: none"> 1. Control of seizures in severe toxemia of pregnancy 2. May be effective in treatment of V-fib or pulseless V-Tach if hypomagnesemic state or Torsades de Pointes is suspected. 3. Asthma exacerbation not responding to the first line treatments following contact from Medical Control. 		
CONTRAINDICATIONS	Should not be given to mothers with toxemia of pregnancy during the 2 hours immediately preceding delivery.		
PRECAUTIONS/SIDE EFFECTS	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.		
ADULT DOSAGE/ROUTE	<p>Indication 1</p> <p>4 gm of 50% solution diluted with 20 mL normal saline IV/IO. 4 gm of 50% solution, IM</p>	<p>Indication 2</p> <p>1-2 gm of 50% solution diluted in 10 ml normal saline, IV/IO</p>	<p>Indication 3</p> <p>1-2 gm of 50% solution diluted in 10 ml normal saline, IV/IO over 10 to 20 minutes</p>
PEDIATRIC DOSAGE/ROUTE	<p>Indication 2</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>		