



Section 13: Appendix 1: Medications

MAGNESIUM SULFATE

Pregnancy Category - A

P PARAMEDIC P

ACTIONS	<ol style="list-style-type: none">1. Central Nervous System Depressant2. Anticonvulsant3. Antiarrhythmic
INDICATIONS	<ol style="list-style-type: none">1. Ventricular fibrillation / pulseless ventricular tachycardia in patients who are malnourished or chronic alcoholics2. Treatment of seizures in eclampsia patients3. Torsades de pointes
CONTRAINDICATIONS	<ol style="list-style-type: none">1. Known hypersensitivity2. Shock3. Heart blocks
PRECAUTIONS	<ol style="list-style-type: none">1. Hypotension2. Renal impairment
SIDE EFFECTS	<ol style="list-style-type: none">1. Respiratory depression2. Flushing3. Drowsiness
SUPPLIED	1 gram / 2 ml vial 50% solution
ADULT DOSAGE	Cardiac Arrest / Torsades or Hypomagnesemia: 2 grams diluted in 100 ml normal saline IV/IO. Use Minidrip administration set Eclampsia / Toxemia: 6 grams diluted in 100 ml normal saline IV/IO wide open. Use Minidrip administration set
PEDIATRIC DOSAGE	25 – 50 mg / kg IVP / IO for Torsades only See <u>PEDIATRIC DRUG ADMINISTRATION CHART</u> for weight based administration
KEY POINTS	<ul style="list-style-type: none">• Check deep tendon reflexes (DTR's) after administration• Monitor EKG, vital signs and respiratory effort during administration
PROTOCOL USES	<ul style="list-style-type: none">• Adult Ventricular Fibrillation / Ventricular Tachycardia• Adult Wide Complex Tachycardia• Obstetrical Emergencies• Pediatric Ventricular Fibrillation / Ventricular Tachycardia