

Magnesium Sulfate (Adult Doses)

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Indications

- **Hypomagnesaemia**
- **Seizures**
- **Pre-eclampsia**
- **Eclampsia**
- **Torsades/V-fib/V-tach**
- **Asthma (bronchodilation)**

Adverse Reactions/Side Effects

- **CNS: drowsiness**
- **Respiratory: decreased rate**
- **Cardiovascular: arrhythmias, bradycardia, hypotension**
- **Skin: hypothermia**

Dosages Mnemonic (SAP)

- **S**eizures: 1 gram
- **A**sthma/torsades: 1-2 gram
- **P**reterm labor/Pre-eclampsia/Eclampsia: 4-5 grams

*Dosages run low to high
1 gram, 1-2 grams, 4-5 grams*

Dosages Mnemonic (SAP)

	Diagnosis	Dose	Rate
S	Seizures	1 gram IV	Seizures: 10% solution over 1 min
A/T	Asthma/Torsades	1-2 Grams IV	Asthma: 15-30 min Torsades: 5-20 min
P/E	Perterm Labor/Pre-eclampsia/ Eclampsia	Bolus: 4-5 grams IV Drip: 1-2 grams/hr	All Boluses: 3-20 min Continuous drip: 1-2 gram/hr