



Magnesium Sulfate

CLASS:	Anticonvulsant Electrolyte Antidysrhythmic
ACTIONS:	Stabilizes muscle cell membranes by interaction with the sodium/potassium pump CNS depressant Relaxation of smooth muscle
INDICATIONS:	Adult Cardiac Arrest Shockable Adult Respiratory Distress Adult Pre-eclampsia/eclampsia
CONTRAINDICATIONS:	High degree heart block Renal insufficiency Renal failure
PRECAUTIONS:	Monitor ECG and respiratory status closely Monitor deep tendon reflexes or for clonus in the eclamptic patient: loss of these may indicate over administration
SIDE EFFECTS:	Bradycardia CNS depression Flushing of the skin Heart block Hypotension Respiratory depression
ADULT DOSAGE:	Cardiac Arrest Shockable: Consider <i>Magnesium Sulfate, 2 g IV/IO mixed in 10 mL 0.9% Normal Saline over 5 minutes</i> Respiratory Distress/Status Asthmaticus: Administer <i>Magnesium Sulfate 2 g IV/IO</i> . If premixed, give <i>2 g IV/IO</i> over 20 minutes. If not premixed, mix <i>2 g in 100mL 0.9% Normal Saline IV</i> over 20 minutes Pre-Eclampsia: Administer <i>Magnesium Sulfate 4 g IV/IO</i> . If premixed, give <i>4 g IV/IO</i> over 20 minutes. If not premixed, mix <i>4 g in 100mL 0.9% Normal Saline IV</i> over 20 minutes. Eclampsia: Administer <i>Magnesium Sulfate 4 g IV/IO</i> . If premixed, give <i>4 g IV/IO</i> given at a rate of 1 g per minute or until seizure stops. <i>If not premixed, mix 4 g in 100mL 0.9% Normal Saline IV/IO</i> given at a rate of 1 g per minute or until seizure stops.