MAGNESIUM SULPHATE

(Revised: October 2020)



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ACTIONS: Magnesium is the second that 1% is present in extra the processes regulating second second that 1% is present in extra the processes regulating second that 1% is present in extra the processes regulating second that 1% is present in extra the processes regulating second that 1% is present in extra the processes regulating second that 1% is present in extra the processes regulating second that 1% is present in extra the processes regulating second that 1% is present in extra the processes regulating second that 1% is present in extra the processes regulating second that 1% is present in extra the processes regulating second that 1% is present in extra the processes regulating second that 1% is present in extra the processes regulating second that 1% is present in extra the processes regulating second that 1% is present in extra the processes regulating second that 1% is present in extra the processes regulating second that 1% is present in extra the processes regulating second that 1% is present in extra the processes regulating second that 1% is present in extra the processes regulating second that 1% is present in the processes regulating second that 1% is present in the processes regulating second that 1% is present in the processes regulating second that 1% is present in the processes regulating second that 1% is present in the processes regulating second that 1% is present in the processes regulating second that 1% is present in the processes regulating second that 1% is present in the processes regulating second that 1% is present in the processes regulating second that 1% is present in the processes regulating second that 1% is present in the processes regulating second that 1% is present in the processes regulating second that 1% is present in the processes regulating second that 1% is present in the processes regulating second that 1% is present in the processes regulating second that 1% is present in the 1% is	most abundant intracellular cation. Less		
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membrane stability.	Magnesium is the second most abundant intracellular cation. Less that 1% is present in extracellular fluid. Magnesium is involved in the processes regulating sodium and potassium movement across cell membranes and, as such, it may promote myocardial cell membrane stability.		
USES: ICP 1. Torsades de poir	ntes/polymorphic VT)		
ICP 2. Refractory VF (3	rd drug)		
ICP 3. Seizures due to	eclampsia		
pregnant patien presenting as ur	e-eclampsia – hypertensive it (≥20/40 to 6/52 post partum) nwell (altered LOC, headache, visual disturbances, etc)		
ADVERSE EFFECTS: Rare – more common if se 1. Respiratory depression 2. Nausea and vomiting 3. Hypotension 4. Confusion 5. Bradycardia	erum magnesium is normal:		
CONTRA- INDICATIONS: 1. AV block 2. Renal failure	2. Renal failure		
3. Hepatic failure	3. Hepatic failure		
PRECAUTION: Myasthenia gravis			

continues over

MAGNESIUM SULPHATE – cont.



DOSES:

ADULT:		
ICP	With cardiac output: 2.5g IV/IO – diluted up to 10ml with normal	
	saline, given over 5 minutes.	
ICP	Refractory VF: 2.5g IV/IO – over 30 – 60 seconds	
ICP	Torsades de pointes: 2.5g IV/IO – over 30 – 60 seconds	
ICP	Pre-eclampsia: 2.5g IV/IO via Springfusor	
	(made up to 7ml total volume with normal saline;	
	7ml will run over 10 minutes)	
ICP	Seizures due to eclampsia: 2.5g IV/IO over 30 – 60 seconds,	AP
	followed by	7 (1
ICP	2.5g IV/IO via Springfusor (made up to	
	7ml total volume with normal saline;	
	7ml will run over 10 minutes)	
PAEDIATRIC: (unusual)		
ICP	Dose is 50mg/kg (to max of 2.5g).	
	Dose is Joing/kg (to illax of 2.3g).	
	Dilute entire amnoule up to 10ml - 250mg/ml Discard excess	

Dilute entire ampoule up to 10ml = 250mg/ml. Discard excess.

With cardiac output: give calculated dose IV/IO over 3-5 minutes.

No cardiac output: give calculated dose IV/IO over 30-60 seconds.

SPECIAL NOTE:

prolonged hypotension post-magnesium administration – if unresponsive to fluids, patient may be treated with IV calcium.