

# MAGNESIUM



## Indications

**Neuro-irritability    Eclampsia    Fetal neuroprotection < 30/40**

## Administration

### Bolus



20 mmol = 5 g in 10 mL  
Slow **push over 10 min**

Repeat if 2nd seizure

### Infusion



40 g MgSO<sub>4</sub> in 500 mL H<sub>2</sub>O (pre-mix)  
Infuse at **12.5 mL/hr** = 1 g/hr

Continue for 24 hrs

## Monitoring

### Tendon reflexes

Plasma levels (only if oliguric / AKI, aim 2-3 mmol/L)

## Toxicity

### SIGNS:

1. Areflexia
2. Respiratory depression
3. ECG changes



Stop infusion



CaCl 10 mL or  
Ca gluconate 30 mL