

Magnesium Sulfate

【IMGSO4】MgSO4 10%® 2g/20mL/Amp

ATC Code : B05XA05

中文名： 硫酸鎂注射液 «信東»

適應症： 子癇症、子癇前症、妊娠毒血症、產科全身麻醉輔助；體內鎂離子缺乏時之補充。

主成分： 每 mL 中含有： Magnesium sulfate · 7H<sub>2</sub>O.....100mg  
相當於每一安瓿（20mL）16.23mEq

藥理分類： **Anticonvulsant, Miscellaneous; Electrolyte Supplement, Parenteral; Magnesium Salt.**

用法用量： **Administration** : IV (IV rate < 1.2 mEq/min) or IM.

IM: May be mixed with 1 mL of lidocaine 2% solution to reduce pain from administration.

**Indications and dosage regimens:**

**Hypomagnesemia:**

— **Prevention:**

Additive in TPN; Usually, 5-8 mEq/day. Maintenance requirements are not precisely known.

— **Treatment:**

Use caution to prevent exceeding the renal excretory capacity.

**Mild deficiency:**

Usually, 8 mEq every 6 hours for 4 doses.

**Severe deficiency:**

IV infusion, 40 mEq added to 1 L of D5W or NS over 3 hours.

IM, 2 mEq/kg within a 4-hour period.

**Prevention and control of seizures:**

— **Toxemias of pregnancy:**

**Severe preeclampsia or eclampsia:**

IV infusion, initially, 32-40 mEq in 250 mL of D5W or NS, then 8-24 mEq/hr continuously; MAX 240-320 mEq/day.

Serum Mg<sup>2+</sup> concentration of 6 mg/dL is considered optimal for seizure control.

**Eclampsia:**

32-48 mEq in 100 mL of IV fluid over 15-20 minutes, followed by 2 g/hr continuous IV infusion; use antihypertensive agents for women with diastolic blood pressure 105-110 mmHg.

— Other seizure etiologies: Usually, 8 mEq IM or IV.

**Barium poisoning:**

IV, 8-16 mEq to counteract the intense muscle stimulating effects of barium.

仿單：

子癇症、子癇前症、妊娠毒血症、產科全身麻醉輔助：

通常每日量 1~10g I.V.或 I.M.，子癇症時頭一次投予 4g，後每半小時靜脈注射 5mL（0.5g）。

體內鎂離子缺乏時之補充：

本藥每 mL 含  $Mg^{2+}$  : 0.81mEq，僅限用於全靜脈營養輸注液調配使用。請勿直接單獨做末梢靜脈內點滴注射。

不良反應： 高血鎂、胃腸刺激、水樣腹瀉、心律不整、心跳停止。

注意事項： 1.分娩前 2 小時產生毒血症、嚴重腎臟疾患、心臟阻斷之患者禁用本劑。  
2. 有腎功能障害之患者；高鎂血症患者；腸內有寄生蟲之小孩患者及有心臟疾病患者 必須審慎投與，以免造成危險。

懷孕期： 1.由於硫酸鎂很容易通過胎盤，曾經有引起極少數新生兒之高鎂血症，故應小心投與。  
2. Magnesium sulfate injection is used for the prevention and treatment of seizures in pregnant or postpartum women with severe preeclampsia or eclampsia (ACOG 2013; ACOG 202 2019; ACOG 652 2016).  
3.Magnesium sulfate may also be used prior to early preterm delivery for neuroprotection to reduce the risk of cerebral palsy (ACOG 455 2010; ACOG 652 2016; Reeves 2011);

授乳期： 1.本品會分泌至母乳中。  
2. Although the manufacturer recommends that caution be used if administered to breastfeeding females; magnesium sulfate when used for the prevention of seizures is considered compatible with breastfeeding (WHO 2002).

相容輸注液： D5W, NS