

Neostigmine

【INEOS】 Neostigmine Methylsulfate 0.5mg/1mL/Amp ATC Code : N07AA01

中文名： 甲硫酸新斯狄格明注射液 《台裕化學》

適應症： 消化液分泌機能減退、排尿困難、腸管痙攣、因肌無力、肌肉痙攣、神經痛、肌肉萎縮等引起之各種運動障礙、綠內障、眼部肌無力及瞳孔反應檢查。

藥理分類： Acetylcholinesterase Inhibitor

用法用量： Administration: IM, SC or slow IV(at least one minute, concomitantly with or just after IV atropine sulfate).

Indications and dosage regimens:

Diagnosis of myasthenia gravis: IM.

- Adults: 0.022 mg/kg preceded by atropine sulfate 0.011 mg/kg IM.
- Children: 0.025-0.04 mg/kg preceded by atropine sulfate 0.011 mg/kg SC.

Myasthenia gravis: IM, SC, IV (IV route is hazardous)

- Adults: 0.5-2.5 mg
- Children: 0.01-0.04 mg/kg Q2-4h as needed.

Neonatal myasthenia gravis: IM

0.03 mg/kg Q2-4h; SC, 0.1-0.2 mg.

Neuromuscular blockade reversal: Slow IV

- Adults:
0.5-2.5 mg; repeated if necessary, totally not exceed 5 mg. (0.6-1.2 mg atropine sulfate should be given to counteract the adverse muscarinic effects.)

- Neonates & infants:
0.04 mg/kg with 0.02 mg/kg atropine sulfate.

Postoperative distention and urinary retention:

- Prophylaxis: Adults, IM or SC, 0.25 mg Q4-6h for 2-3 days.
- Treatment: Adults, IM or SC, 0.5-1 mg, repeated Q3-5h for 5 doses after the bladder has been emptied.

(仿單)皮下及肌肉注射之，每日 1~3 次，每次 0.25~0.5mg。必要時(Antidote to curare Principle)以 0.5mg 之本劑與 0.6mg 之 Atropine Sulfate 合併靜脈注射。

不良反應： 唾液或汗水增多、胃腸不適、抽筋等。

交互作用：

- Corticosteroids 會對重症肌無力患者產生嚴重肌肉強度衰竭的現象，作用從服藥後第 2 天開始在第 7 天達到最強，並且對 anticholinesterase 的治療不反應，嚴重的甚至需要靠呼吸器才能維持呼吸。雖然 corticosteroids 對重症肌無力的長期治療具有長期效益，並用時仍須嚴密監控病人反應並隨時提供生命維持系統待命。
- Donepezil, bupropion: reduced seizure threshold, ↑ risk of seizures.
- Hydrocortisone, prednisolone: ↓ neostigmine effectiveness.

注意事項： 1. 仿單：可肌肉注射或皮下注射(用於眼科)。

2. 腸或尿道阻塞之患者禁用本劑。

懷孕期： 1. 無相關資料，宜審慎評估。

2. Anticholinesterases have caused uterine irritability and induced premature labor with IV use in near-term pregnant women. When used as adjunct to analgesia in labor,

adverse events to the fetus and mother are dose- and route-dependent (Habib 2006).

授乳期：未有授乳婦使用 neostigmine 產生問題之文獻，故宜慎用。

貯存：室溫避光貯存。