

Aminophylline

【IAMP】Asiphylline® 250mg/10mL/Amp

ATC Code : R03DA05

中文名：心安寧注射液 «信東»

適應症：心臟衰弱、狹心症、血壓亢進症、心臟性氣喘、支氣管氣喘、心臟不全。

藥理分類：Phosphodiesterase Enzyme Inhibitor, Nonselective.

用法用量：Administration: IV infusion

Indications and dosage regimen:

Acute bronchospasm: IV, at a rate < 25 mg/min

Loading dose:

- Adults & children 6 mo, patient not currently receiving theophylline: 6 mg/kg IV slowly given over 20 minutes;
- otherwise, base on the general expectation that: each 0.6 mg/kg result in a 1 mcg/mL increase in serum level.
- Children should not be administered more frequently than every 8 hours.

Maintenance dose:

Patients Group	Infusion rate (mg/kg/hr)	
	First 12 hr	Beyond 12 hr
Neonates to infant 6 months	Not recommended	
Children 6 mo-9 yr	1.2	1.0
Children 9-16 yr & young adult smoker	1.0	0.8
Otherwise healthy, non-smoking adults	0.7	0.5
Older patients, patients with cor pulmonale	0.6	0.3
Patients with CHF or liver failure	0.5	0.1-0.2

不良反應：頭痛、噁心、無法入眠、腹瀉、心跳快、極度口渴、耳鳴、肌肉抽筋、噁心、嘔吐、胃痛、食慾差。

交互作用：

- **FLUOROQUINOLONES**, mexiletine, combination hormonal contraceptives, imipenem: ↑ plasma theophylline concentrations, and theophylline toxicity.
- **ERYTHROMYCIN**: ↑ theophylline concentrations and ↓ erythromycin concentrations.
- **FLUCONAZOLE**: ↑ exposure to theophylline.
- **PHENYTOIN**: ↓ phenytoin and/or theophylline exposure.
- **DONEPEZIL**, bupropion: ↓ seizure threshold, ↑ risk of seizures.

注意事項：靜脈注射過快會發生臉紅、嘔吐感、眩暈。建議稀釋後以約 25mg/min 速度。

懷 孕 期：1. 避免懷孕時使用，除非經過醫師的判斷，其預期的效益超越對胎兒的危險。
2. Theophylline crosses the placenta; adverse effects may be seen in the newborn.
3. Use is generally safe when used at the recommended doses (serum concentrations 5 to 12 mcg/mL), however maternal adverse events may be increased and efficacy may be decreased in pregnant women.
4. The recommendations for the use of theophylline in pregnant women with asthma are similar to those used in nonpregnant adults (*National Heart, Lung, and Blood Institute Guidelines 2004*).

授 乳 期：1. Theophylline 會分泌至乳汁中，當益處高於對嬰兒的危險性時，才投予本藥。
2. Irritability may be observed in the nursing infant. Serious adverse events in the infant are unlikely unless toxic serum levels are present in the mother.

注射液調配：1. 靜脈輸注時間：給負載劑量時，20 分鐘以上。給維持劑量時，12 小時。
2. 相容輸注液--D5W、D5W-1/2NS、D5NS、D5R、D5LR、1/2NS、NS。

儲 存：室溫(Aminophylline 注射劑避免冷藏，以免結晶生成。