

Aminophylline

【OAMIN】 Aminophylline 100mg/Tab

ATC Code : R03DA05

中文名： 氨基非林錠 «強生»

適應症： 氣喘及支氣管痙攣。

藥理分類： Phosphodiesterase Enzyme Inhibitor, Nonselective.

用法用量：**Administration:**

Orally, take on an empty stomach, 1 hr before or 2 hrs after a meal.

Indications and dosage regimen:

Loading dose:

Adults & children > 1 yr, patient not currently receiving theophylline preparations, 7.6 mg/kg;

otherwise, based on the general expectation that:

each 0.6 mg/kg result in a 1 mcg/mL increase in serum level.

Children < 1 yr,

1.25 mg/kg for each 2 mcg/mL increase in serum level.

Maintenance dose:

Patients	First 12-16 hr	Maintenance Dosage
Premature neonates up to 40 wk post conception age	-	1.25 mg/kg Q12h
0-4 wk postnatal age	-	1.25-2.5 mg/kg Q12h
4-8 wk postnatal age	-	1.25-2.5 mg/kg Q8h
8 wk-6 mo		1.25-3.8 mg/kg Q6h
Children 6 mo-9 yr	5 mg/kg Q4h × 3 doses	5 mg/kg Q6h
Children 9-16 yr & young adult smokers	3.8 mg/kg Q4h × 3 doses	3.8 mg/kg Q6h
Otherwise healthy, nonsmoking adults	3.8 mg/kg Q6h × 2 doses	3.8 mg/kg Q8h
Older patients, patients with cor pulmonale	2.5 mg/kg Q6h × 2 doses	2.5 mg/kg Q8h
Patients with CHF or liver failure	2.5 mg/kg Q6h × 2 doses	1.25-2.5 mg/kg Q12h

Chronic bronchospasm:

Daily dose in 3-4 doses

— Starting dose for adults and children > 1 yr:

The lesser of 500 mg/day total or 20 mg/kg/day, increase the dose if tolerated at 3-day intervals by 25% increments.

— **Maximum dose** for age:

Children 1-9 yr, 30 mg/kg/day;

9-12 yr, 25 mg/kg/day;

12-16 yr, 23 mg/kg/day;

> 16 yr, 16 mg/kg/day or 1139 mg/day total, whichever is less.

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： 1.空腹(飯前 30 ~60 分鐘或飯後 2 小時)服用效果較佳。若發生腸胃不適，可於餐中或飯後立即服用。
2.用藥期間減少茶、咖啡及巧克力的攝取。

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，唯有當服用本品的益處高於對嬰兒的危險性時，授乳婦方能投予本藥。
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.