

Isoniazid

【OINAH】 Isoniazide 100mg/Tab

ATC Code : J04AC01

中文名：異菸鹼醯肼錠 «強生»

【O8047】 Isoniazid Tablets 300 mg "S.L.."

ATC Code : J04AC01

中文名：異菸鹼醯肼錠 300 毫克 «信隆藥品»

適應症：肺結核、其他結核症。

藥理分類：**Antitubercular Agent.**

作用機轉：Isoniazid inhibits the synthesis of mycolic acids, an essential component of the bacterial cell wall. At therapeutic levels isoniazid is bactericidal against actively growing intracellular and extracellular *Mycobacterium tuberculosis* organisms.

用法用量：**Administration:** orally, taken one hour before or 2 hours after meals.

Indication and dosage regimens:

Treatment of latent TB infections:

— Adults:

9H: 5 mg/kg/**day**, Max dose: 300 mg/day, for 9 months (270 days).

3HP: (≥ 12 years old) 15 mg/kg/**week**, Max dose: 900 mg/dose, for 3 months (12 doses).

— Infants & Children:

9H: 10 mg/kg/**day**, Max dose: 300 mg/day, for 9 months.

3HP: (2~11 years old) 25 mg/kg/**week**, Max dose: 900 mg/dose, for 3 months (12 doses).

***9H: 9 months Isoniazid (daily)**

***3HP: 3 months Isoniazid + RifaPentine (once weekly)**

Treatment of TB:

— Adults: 5 (4~6) mg/kg/**day**; Max dose: 300 mg/day.

— Infants & Children:

< 30 kg: 10 (7-15) mg/kg/**day**, Max dose: 300 mg/day.

≥ 30 kg: 4-6 mg/kg/**day**, Max dose: 300 mg/day.

不良反應：週邊神經病變(手腳刺痛、麻感)、灼熱感。腹痛、深色尿、食慾減退、嘔吐或黃疸，或視覺模糊、眼痛。

交互作用：Isoniazid is a weak *CYP3A4* Inhibitors

- Acetaminophen, CarBAMazepine, RifAMPin: ↑ risk of hepatotoxicity.
- Corticosteroids (Systemic): ↓ the serum concentration of Isoniazid.
- Phenytoin: ↑ the serum concentration of Phenytoin.
- Levodopa: ↓ the therapeutic effect of Levodopa-Containing Products.
- Itraconazole: ↓ the serum concentration of Itraconazole.
- Domperidone: ↑ domperidone exposure and ↑ risk of QT prolongation.
- Amiodarone: ↑ amiodarone exposure.

注意事項：1. 空腹服用(飯前 1 小時或飯後 2 小時)。
2. 服用本劑期間應避免飲酒，以免發生肝炎。
3. 指導患者如有腹痛、深色尿、嘔吐、黃疸，或視覺模糊、眼痛，應儘速就醫。
4. 服藥期間避免食用乳酪(起司)、魚類，可能會引起頭痛、潮紅、心悸、發汗、頭昏、寒顫。

懷孕期：

- 臨床評估需考量對孕婦的益處及對胎兒的潛在風險。
- Treatment is recommended when the probability of maternal disease is moderate to high. Drug-susceptible TB guidelines recommend isoniazid as part of the initial treatment regimen; close monitoring is recommended.

- 授乳期：
- 治療期間仍可哺乳。
 - Isoniazid is considered compatible with breastfeeding (*WHO 2002*). In the treatment of drug-susceptible TB, use of isoniazid is not a contraindication to breastfeeding in patients deemed noninfectious who are treated with first-line agents (ie, isoniazid).