

## Verapamil

【IISO】U-Sodin® Injection 5mg/2mL/Amp

ATC Code : C08DA01

中文名：優賜定注射液 «優良化學»

適應症：陣發性上室性心搏過速、對於心房撲動、心房纖維顫動情況時、快速心室心搏之暫時性控制。

藥理分類：**Antianginal Agent; Antiarrhythmic Agent, Class IV; Antihypertensive; calcium Channel Blocker, Nondihydropyridine.**

用法用量：**Administration:**

IV over at least 2 minutes; in older patients for the acute treatment of SVT, over 3 minutes (ACLS [Neumar 2010])

**Indications and Dosage regimens:**

**Supraventricular tachyarrhythmias:**

— **Conversion of PSVT to sinus rhythm:**

Adults: initially, 5-10 mg (or 0.075-0.15 mg/kg) IV over > 2 min, a second IV dose of 10 mg (or 0.15 mg/kg) may be given 30min after initial dose if necessary; MAX 20 mg.

Children: 1-15 yr, initially, 0.1-0.3 mg/kg (or 2-5 mg; not exceed 5 mg) IV over > 2 min; the initial pediatric dose may be repeated once after 30 minute, the repeat dose should not exceed 10 mg.

— **Ventricular rate control in atrial fibrillation or flutter:**

Adults:

**IV:** initially, 5-10 mg (or 0.075-0.15 mg/kg) IV over 2 min, a second IV dose of 10 mg (or 0.15 mg/kg) may be given 30min after initial dose if necessary; MAX 20 mg.

Children:

1-15 yr, initially, 0.1-0.3 mg/kg (or 2-5 mg; not exceed 5 mg) IV over 2 min; the initial pediatric dose may be repeated once after 30 minutes, the repeat dose should not exceed 10 mg.

不良反應：便秘、厭食、噁心、頭痛、頭昏、心悸、下肢水腫、皮疹等。

交互作用：1. **Clarithromycin、Erythromycin、grapefruit(juice);** ↑ Verapamil serum level.  
2. **Phenytoin, Carbamazepine, Rifampicin, St. John's wort, phenobarbital:** ↓ Verapamil serum level.  
3. **Colchicine:** ↑ colchicine plasma level and ↑ risk of toxicity.  
4. **Cisapride:** ↑ risk of QT prolongation, torsades de pointes, cardiac arrest.  
5. **Atorvastatin, simvastatin:** ↑ serum level and ↑ myopathy.  
6. **Clopidogrel:** ↓ antiplatelet effect and ↑ risk of thrombotic events.

注意事項：1. 肝、腎障礙者應減低劑量；老年人應從低劑量開始服用。  
2. Sick sinus syndrome、二或三度房室阻斷、低血壓、嚴重左心室功能不全、心因性休克、鬱血性心衰竭患者禁用本劑。  
3. 口服製劑避免以葡萄柚汁送服。

禁忌：1. 心因性休克(除了心律不整引起之休克)，  
2. 急性心肌梗塞引起之併發症(心跳過慢、低血壓、左心衰竭)。  
3. 二度和三度的房室阻斷(A-V block)。竇性心跳不穩症候者。  
4. 嚴重心衰竭症候者。

- 懷 孕 期： Verapamil crosses the placenta. Use during pregnancy may cause adverse fetal effects (bradycardia, heart block, hypotension) (*Tan 2001*).
- 授 乳 期： 1.授乳婦禁用(仿單)。  
2. Verapamil and norverapamil are present in breast milk.  
3. Although breastfeeding is not recommended by some manufacturers, verapamil is considered compatible with breastfeeding (WHO 2002).
- 相容輸注液： D5W, D5S, D5W-1/2NS, NS, 1/2NS, Ringer's inj., Lactated Ringer's