

Vancomycin

【IVANL】 Vanlyo® 500mg/Vial

ATC Code : J01XA01

中文名： 台裕穩利乾粉注射劑 《台裕化學》

適應症： 葡萄球菌感染所致之心內膜炎、骨髓炎、肺炎、敗血病、軟組織感染、腸炎、梭狀桿菌感染所致之假膜性結腸炎。

藥理分類： **Glycopeptide.**

用法用量： **Administration:** Avoid IM injection.

- **IV:** Intermittent IV infusion over 1 hour with a conc. ≤ 5 mg/mL at a rate of ≤ 10 mg/min. Adult patients of fluid restriction, up to 10 mg/mL may be used.
- **Oral:** Reconstituted **powder** for injection may be diluted and used for oral administration; common flavoring syrups may be added to improve taste.
The unflavored, diluted solution may also be administered via nasogastric tube.

Indications and dosage regimens:

IV General dosage:

- Adults: 500 mg Q6h or 1 g Q12h.
- Neonates < 1 week of age: 15 mg/kg initially, followed by 10 mg/kg Q12h.
- Neonates 1 wk to 1 month of age: 15 mg/kg initially, followed by 10 mg/kg Q8h
- Children ≥ 1 month of age:
40 mg/kg/day given in 3-4 divided doses for mild to moderate infections or 40-60 mg/kg/day given in 4 divided doses for severe infections.

Oral: for treating *C. difficile* infections. Ineffective for treating systemic infections. 125 to 500 mg 4 times daily.

Dose Adjustments:

- Renal impairment (adult and pediatric):
15 mg/kg as initial dose then optimal dose and interval based on serum drug concentrations.
- Anuric patients (adults): 1 g every 7 to 10 days.
- For anephric patients on dialysis, first dose is 15 mg/kg, followed by maintenance dose of 1.9 mg/kg/day.

不良反應： 皮膚疹、噁心、嘔吐、腎毒性、耳毒性。

交互作用：

- Piperacillin/tazobactam: ↑ risk of acute kidney injury.
- Amikacin: ↑ ototoxicity and/or nephrotoxicity.
- Gentamicin: may result in nephrotoxicity.
- NSAIDs: ↑ the serum concentration of Vancomycin.

注意事項： 1. 於成人，建議濃度不超過 5 mg/mL，速率不大於 10 mg/min。有液體限制者，濃度可高至 10 mg/mL。注射時間不得少於 60 分鐘，以避免因靜脈注射過速引起之 red man syndrome。

2. 於全身麻醉前 1 小時，須停止使用本劑。

3. 口服投與—

- 口服 vancomycin 是用來治療伴隨抗生素而由難治梭狀桿菌(*C. difficile*)所致假膜性結腸炎和葡萄球菌所引起的結腸炎，但對其他的感染無效。
- 成人通常一天劑量 500 mg 到 2 g，分三或四次，投與七到十天；兒童一

天劑量是每公斤體重 40 mg，分三或四次，投與七到十天；一天的總劑量不要超過 2 g。

- 可將適當劑量用水稀釋到 30 mL 給患者喝，一般矯味糖漿可加入此溶液以改善口服的味道。不加糖漿的水溶液也可藉由鼻胃管投與。

懷 孕 期：

1. Vancomycin HCl 可以通過胎盤。除非確實需要時，才給孕婦投與此藥。
2. Vancomycin is recommended for the treatment of *Clostridioides* (formerly *Clostridium*) *difficile* infections in pregnant women (ACG [Surawicz 2013]).
3. Vancomycin is recommended as an alternative agent to prevent the transmission of group B streptococcal (GBS) disease from mothers to newborns (ACOG 782 2019).
4. In patients colonized with MRSA, vancomycin is recommended as part of the antibiotic regimen for prophylactic use prior to cesarean delivery (ACOG 199 2018).

[US Boxed Warning]:

The formulation of vancomycin injection containing the excipients polyethylene glycol (PEG 400) and N-acetyl D-alanine (NADA) is not recommended for use during pregnancy. PEG 400 and NADA have caused fetal malformations in animal reproduction studies. If use of vancomycin is needed during pregnancy, use other available formulations of vancomycin.

授 乳 期： 會自母親的母乳中排泄。授乳婦使用此藥時，須十分注意。由於有副作用發生的可能，故須斟酌藥物對母親的重要性，決定是否停止授乳或停藥。

配 製：

1. 每瓶(500mg)先加入 10mL 注射用水，再加入 100mL 相容輸注液稀釋，使濃度不超過 5 mg/mL。
2. 以間歇性靜脈注射給藥（每分鐘小於 10mg），至少要 60 分鐘以上。輸注前後須充份沖滌管路。

安 定 性：

- 以 10mL 注射用水配製後，置於冰箱內可保存 96 小時。
- 以相容輸注液稀釋後應立即使用。

相容輸注液： D5W、NS、D5S、Lactated Ringer's。