

Furosemide

【ILASR】Lasix (Rosis®) 20mg/2mL/Amp

ATC Code : C03CA01

中文名：樂泄靜脈注射液 «榮民製藥»

適應症：利尿、高血壓、急性肺水腫。

藥理分類：Antihypertensive; Diuretic, Loop.

用法用量：Administration:

- Administer up to 80 mg IV slowly over 1 to 2 minutes.
- May be given undiluted, direct IV injections may be administered at a rate of 20 to 40 mg per minute;
- High doses (eg, ≥ 160 mg) infusion: add to NS, LR, or D5W after pH has been adjusted to above 5.5 and infuse at a rate not greater than 4 mg/min.
- Rapid administration increases the risk of ototoxicity due to the high concentrations achieved in a short period of time.
- **Pediatrics, 17 years or less:**
 - **Intermittent IV:** May be administered undiluted direct IV at a usual rate of 0.5 to 1 mg/kg/minute (not to exceed 4 mg/minute); in adults, 20 to 40 mg undiluted solution may be administered over 1 to 2 minutes.
 - **Continuous IV infusion:** Administer diluted or undiluted as a continuous IV infusion with the use of an infusion pump.

Contraindications:

- A) Anuria
- B) History of hypersensitivity to furosemide or medical adhesives
- C) Hepatic cirrhosis or ascites

Indications and dosage regimen:

Adults:

— Edema:

- initially 20-40 mg as a single dose, the dosage then being increased by an additional 20 mg at 2-hour intervals until the desired response is obtained.
- The maintenance dose as determined by titration is then given 1 or 2 times a day.

— Pulmonary edema, acute; Adjunct:

- Initial, 40 mg IV slowly, over 1 to 2 minutes; after 1 hour, may increase to 80 mg IV over 1 to 2 minutes.
- Concomitant medication, may be administered with additional therapy (eg, digitalis, oxygen) as indicated.

— Congestive heart failure – Edema:

- Initial, 20 to 40 mg slow IV, over 1 to 2 minutes; may repeat same dosage 2 hours later or increase by 20 mg no sooner than 2 hours following previous dose; titrate to effect; individualized dosage may then be given once or twice daily.
- Acute decompensated heart failure with inadequate diuresis: Regimen may be intensified with higher doses of IV loop diuretic or addition of a second (eg, thiazide) diuretic (guideline dosage).

Pediatric patients:

— **Edema:**

● **intermittent IV infusion:**

Initial: 0.5 to 2 mg/kg/dose every 6 to 12 hours; if initial dose ineffective after 2 hours, may increase dose by 1 mg/kg/dose; **maximum** dose: 6 mg/kg/dose not to exceed maximum adult dose: 200 mg/dose; adjust to minimal effective dose for maintenance.

● **Continuous IV infusion:**

Infants and Children:

Initial: IV bolus dose of 0.1 mg/kg followed by continuous IV infusion of 0.05 to 0.4 mg/kg/**hour**; titrate dosage to clinical effect.

不良反應： 姿勢性低血壓、眩暈、電解質失衡、光敏感、口乾、虛弱、嗜睡、噁心、尿酸值升高等。

交互作用：

- **Desmopressin:** ↑ risk of severe hyponatremia.
- **Digitoxin:** ↑ digitoxin toxicity (nausea, vomiting, cardiac arrhythmias).
- **Gentamicin:** ↑ additive ototoxicity and/or nephrotoxicity.
- **NSAIDs:** ↓ diuretic effectiveness and may ↑ nephrotoxicity.
- **Chloral hydrate:** may result in cardiovascular toxicity (diaphoresis, hypertension, tachycardia).

注意事項：

1. 本注射液為鹼性，勿與高度酸性物質混合。
2. 若注射液變黃，勿再使用。
3. 配製後應於 24 小時內使用。
4. 無尿症（anuria）或腎功能嚴重不良病患使用本品時，應加注意。
5. 對 Sulfonamide 衍生物會引起過敏症者，亦可能發生過敏，須謹慎使用。
6. 電解質不平衡、高尿酸患者，須謹慎使用。

懷 孕 期： 不宜使用。孕婦使用 furosemide 的安全性尚未建立。

授 乳 期： Furosemide 會分泌至母乳中，授乳婦不宜使用。

輸液相容性： 1. Compatible: D5W, NS, Lactated Ringer's solution.
2. Incompatible: Fructose 10% in water.