

FUROSEMIDE

Loop Diuretic

Indications

- Hypertension
- Conditions causing fluid overload: HF, CKD, Liver failure

Action

Inhibit the transport system that moves sodium, potassium, and chloride across cell membranes in the thick ascending loop of Henle and distal renal tubule, causing more sodium, chloride, and potassium to be excreted in the urine.

Top Side Effects

CV: Hypotension

F&E: Dehydration, hypokalemia, hyponatremia, hypocalcemia, hypomagnesemia

Renal: Acute Kidney Injury

EENT: Tinnitus, hearing loss

Neuro: Blurry vision, dizziness

Nursing Implications

Monitor:

- BP, electrolytes, BUN, CRE
- Urine output, weight
- Orthostatic hypotension
- Dizziness - Risk for fall
- Hearing difficulties

Effectiveness:

- Decreased crackles, edema + increased urine output

Contraindications

Hypokalemia, hyponatremia, hypocalcemia, hypomagnesemia, anuria, hepatic coma

Patient Education

- May experience lightheadedness; get up slowly
- May interact with digoxin causing digoxin toxicity

Top Tested Tips

Do not administer it to patients with hypokalemia (or any of the F&E imbalances listed as side effects).

Do not administer for a client with low BP or urine output less than 30ml/h