ACTIVE LEARNING TEMPLATE: *Medication*

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MEDICATION Furosemide

REVIEW MODULE CHAPTER

CATEGORY CLASS Loop Diuertic

PURPOSE OF MEDICATION

Expected Pharmacological Action

-Acts on the loop of henle in the renal tubules and blocks the reabsoption of sodium and chloride. This allows for excretion of sdoium and chloride, which carry water with them leading to increased output and decreased potassium.

Therapeutic Use

- Treats pulmonary edema in heart failure

Complications

- Electrolyte imbalances (hyponatremia, hypokalemia)
- Severe dehydration
- Hypotension
- Ototoxicity
- Hyperglycemia
- Increased uric acid levls

Medication Administration

- PO, give in the morning with food
- IV, give undiluted and administer slowly
-IM
- PO, 20-80mg once per day

Contraindications/Precautions

- Electrolyte imbalances
- Anuria
- Dehydration
- Hepatic coma
- Pregnancy
- Lactaion
- use cautiously in renal impaired patients and diabetic patients.

Nursing Interventions

- Monitor for electrolyte imbalances and notify provider of any changes.
- Monitor blood pressure frequently.
- Ensure the patient is not taking any ototoxic drugs.
- Monitor for hearing loss and tell the patient to report any vertigo or tinnitus,
- Monitor blood gluocse level in diabetic patients to prevent hyperglycemia.
- Monitor uric acid levels.
- monitor for hypokalemia with dysrythmias.

Interactions

- Patients who use this drug with digoxin are at a higher risk of dioxin toxicity.
- NSAIDS may decrease the diuertic effects
- Neuromuscular blocking agents may have prolonged effect
- Lithium toxicity may occur in patients taking lithium and fuerosemide.
- Amphotericin B and corticosteroids also increase patients risk for hypokalemia
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Client Education

- Maintain a sodium and fluid restictions as ordered
- Take this medication early in the morning.
-Take this medication with food to prevent GI upset.
- Eat healthy meals and maintain a healthy weight.
- Attend all follow up appointments.

Evaluation of Medication Effectiveness

- Monitor for a decrease in edema
- Assess lung sounds
- Assess SPO2 and respirations
- Monitor strict I/O