

ACTIVE LEARNING TEMPLATE: *Medication*

STUDENT NAME _____

MEDICATION _____ REVIEW MODULE CHAPTER _____

CATEGORY CLASS _____

PURPOSE OF MEDICATION

Expected Pharmacological Action

Loop diuretics act on the ascending loop of Henle. This acts in the renal tubules blocking reabsorption of sodium and chloride. This promotes excretion of sodium and chloride which carry water with them. As a result, urine output is increased and potassium is excreted.

Therapeutic Use

- Pulmonary edema in Heart Failure
- Edema caused by renal, hepatic, or cardiac failure not affected by other diuretics
- Treats Hypertension not controlled by other diuretics

Complications

Medication Administration

Contraindications/Precautions

Nursing Interventions

- Monitor serum electrolytes periodically, notify HCP of abnormal levels.
- If hypokalemia occurs, monitor for cardiac dysrhythmias.
- Monitor blood pressure frequently during treatment.
- Monitor blood glucose levels periodically in all clients.
- Ensure the client does not take any other ototoxic medications.
- Monitor uric acid levels periodically.

Interactions

Client Education

- Eat foods rich in potassium if indicated (citrus fruits, bananas)
- Report signs of electrolyte imbalance (confusion, muscle twitching, irregular pulse).
- Report dizziness, syncope to provider.
- Report new onset of hearing loss to HCP.
- Clients who have DM, carefully monitor blood glucose levels for hyperglycemia.

Evaluation of Medication Effectiveness