

Unit 6: Heart Failure online assignment (1.5H)

Directions:

- Read Lewis Chapter 34, review ATI Pharmacology Made Easy 4.0: Cardiovascular Module: Drug Therapy for Heart Failure, and review the Unit 6 Pharmacology List.
- Utilizing the resources above, complete the case study. There will be many items for each question.
- Utilizing the Pharmacology List and ATI/Skyscape, complete three ATI Medication Templates from the Pharmacology List.
- This assignment is due in the Unit 6: HF assignment drop box by March 14, 2022 at 0800.
- Be prepared to discuss this assignment in class.
- You must complete the assignment in full to receive the 1.5H theory credit.

CASE STUDY:

Frannie Failure, a patient on 4P, calls the nurse and states, "I feel really puffy. My rings feel so tight on my fingers and I am having trouble catching my breath." The patient is lying flat in the bed and is alert and oriented x 3. NS @ 125mL/HR running.

Assessment:

- Vital Signs: T 97.9 oral, HR 120, RR 24, SpO2 86% RA, BP 152/94, pain 0/10.
- Respiratory: Lung sounds- crackles throughout bilaterally, non-productive cough.
- Cardiac: Heart sounds- S3, pedal pulses not palpable, 3+ pitting edema bilateral feet and ankles.
- Skin intact, pale and cool.
- Gastrointestinal: Bowel sounds x4 WNL, BM yesterday morning.
- Intake/Output: Patient has had 900ml in and 200ml out.

1. What additional information would you want to know?

- What is her medical history? Does any heart issues run in her family? What was the patient's admitting diagnosis?

2. What assessment/ interventions would be appropriate for this patient?

-Raise the head of bed up to 30 degrees. Stop the normal saline infusion. Put the patient on a nasal canula. Put pillows under her arms and feet. Rotate the patient every 3 hours. Try to take the patient's rings off. Administer medications. Use a doppler to get her pedal pulses. ECG monitor.

3. What would you anticipate the healthcare provider to order?

- Lasix, echocardiogram, 12-lead ECG, chest x-ray, MRI, cardiac cath. Labs like BNP and NT-pro-BNP.

4. What medications would be appropriate for this patient (include all pertinent from the Pharmacology List) ? Doses? Nursing Interventions? You will pick three of these medications to complete the ATI Medication Templates.

-Furosemide- 20-80mg/day. Monitor daily weight, monitor intake and output, assess BP and pulse before administering, assess the patient's edema, assess lung sounds.

-Captopril- 25 mg 3 times daily. Monitor weight and assess patient for fluid overload, monitor renal function.

-Losartan- 50 mg once daily. Assess BP and pulse frequently once given. Assess for angioedema.

-Nitroglycerin- 2.5-9 mg every 8-12 hrs. Monitor BP and pulse before and after administration. Assess the patient's pain.

-Spironolactone- 25-50 mg/day. Monitor intake and output, Assess for hyperkalemia, assess patient for skin rashes.

-Digoxin- PO 0.75-1.5mg for initial dose then 0.125-0.5 mg/day as a maintenance dose. Monitor apical pulse for 1 full min before administering, monitor BP, monitor ECG, monitor IV site, monitor intake and outputs.

5. What patient education would you include?

-eat small frequent meals, DASH diet, avoid extreme cold or heat, try to exercise 30 mins each day, know the signs and symptoms of heart failure and when to call the doctor, get your annual vaccines, avoid emotional upsets, allow for periods of rest during the day. take your BP during the day and count your pulse before taking your drugs.