

Firelands Regional Medical Center School of Nursing
AMSN 2024
Unit 6: Heart Failure online assignment (1.5H)

Directions:

- Read Lewis Chapter 38, 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 11, 2024 at 0800.
- Be prepared to discuss this assignment in class.
- You must complete the assignment in full to receive the 1.5H theory credit.

Assignment Objectives:

- Determine overall goals in the treatment of heart failure.

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. Normal saline 0.9% @ 125mL/HR is 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 over the last 8 hours.

1. **What additional information would you want/need to know?** I would want to know what medical history she has, what does her labs look like, what home medication is she taking, what does her chest x-ray look like, what does her ekg look like, what's her EF, what's her weight.
2. **What assessment/ interventions would be appropriate for this patient?** Assessments would be heart, lung, skin, respiratory, labs (BNP), vitals, heart monitor, daily weights, oxygen, diuretics, ted hose, elevation, pulse checks, elevated head of bed, decrease fluids
3. **What would you anticipate the healthcare provider to order?** Orders would include labs, , chest x-ray, ekg, echocardiogram, ace or arbs, or beta blockers, diuretics, heart healthy/low sodium diet, daily weights, fluid restriction, o2, cardiac stress test
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.** Depending on the labs and testing she has done the possible medications will be ACE inhibitors (captopril, lisinopril, enalapril), ARBs (losartan,

valsartan), Digoxin, furosemide, bumetanide, hydrochlorothiazide, Beta Blockers (metoprolol succinate, carvedilol, bisoprolol), spironolactone. The medications will started at the lower doses and go up as needed. The diuretics may be started at a higher dose to get the fluid off of her and then titrate. If she develops any electrolyte imbalances medications will be added or taken away to balance those. Weights, I/O, VS, cardiac monitoring, VS will all be completed and monitored. I have included 3 medication sheets

- 5. What patient education would you include?** I would include heart healthy and low sodium diet, medication education (bp, pulse, weight, side effects, when to call the provider), prep for testing and how tests would work contributing risk factors, signs and symptoms of fluid retention