Firelands Regional Medical Center School of Nursing
AMSN 2023
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 13, 2023 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. 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**?
    a. Has the patient been up at all or just in bed, are radial and brachial pulses palpable, is there edema in the upper extremities, is the patient feeling fatigued, is the patient experiencing palpitations, what has the patients trending urine output been, is the patient experiencing any lightheadedness or dizziness, is the patient experiencing decreased LOC, how has the patient been sleeping, is the patient experiencing any chest pain, has there been any change in the patients daily weight.
2. **What assessment/ interventions would be appropriate for this patient?**

    a. Daily weights, monitor sodium and potassium levels, oxygen as needed, place patient in the high fowlers position, continuous ECG monitoring, vital signs, strict intake and output, administer medications.

3. **What would you anticipate the healthcare provider to order?**
    a. I would anticipate the healthcare provider to order diuretic therapy, strict intake and output, daily weights, decrease or discontinue fluids.
4. **What medications would be appropriate for this patient (include all pertinent from the Pharmacology List) ? Doses? Nursing Interventions? <u>You will pick three of these medications to complete the ATI Medication Templates.</u>**
    a. Digoxin
        i. Will be given with a loading dose followed by a maintenance dose of 0.5 mg a day
        ii. Monitor apical pulse for 1 minute before administering
        iii. If HR is less than 60 do not administer
        iv. Monitor for signs of toxicity
    b. Dobutamine
        i. Given IV 2.5-15 mcg/kg/min titrate to response , do not given more than 40mcg/kg/min
        ii. Monitor cardiac rhythm and blood pressure
    c. Furosemide
        i. 20-80 mg/day, may be given in two maintenance doses daily
        ii. Monitor electrolyte levels
        iii. Monitor intake and output
    d. Hydrochlorothiazide
        i. 12.5- 100 mg/ day in 1-2 doses
        ii. Monitor electrolyte levels
        iii. Monitor blood glucose
        iv. Monitor uric acid levels
    e. Spironolactone
        i. 25-50 mg once daily
        ii. Monitor electrolyte levels
        iii. Monitor intake and output
        iv. Monitor ECG
5. **What patient education would you include?**
    a. Be sure to report signs and symptoms of heart failure. Educate on when to return to the hospital, educate on medication compliance, educate about medication side effects.