

NUR 202 Week 1-3 Readings, Fall 2026

CHRONOLOGY OF STUDY

WEEKS 1, 2 & 3

I. ALTERATION IN OXYGENATION / PROFESSIONAL ISSUES

NEEDS OF THE CLIENT HAVING DEFICIENCY IN PROVIDING OXYGEN AND NUTRIENTS TO THE CELLS, NEEDS OF THE CLIENT WITH CARDIOVASCULAR DYSFUNCTION

A. Outcomes

At the completion of this unit of study, the student will be able to:

1. Utilize the nursing process to develop an individualized nursing care plan for a client with alterations in cardiac function.
2. Assess the client for early signs and symptoms of common cardiovascular dysfunction.
3. Identify the risk factors associated with potential or actual cardiovascular dysfunction.
4. Identify diagnostic tests used to assess cardiovascular function.
5. Assess clients for manifestations of selected cardiovascular dysfunction.
6. Discuss the etiology, signs, symptoms, treatment, and nursing care related to selected cardiac dysfunction.
7. Identify medications, including actions and side effects, which are useful in treating clients with cardiovascular dysfunction.
8. Utilize previously learned nursing skills and interventions in client care.
9. Assist clients in coping with emotional responses that may accompany cardiovascular dysfunction.
10. Develop teaching strategies that will assist the client in understanding and complying with a prescribed treatment regimen.
11. Discuss management of care and delegation for the client with a cardiovascular dysfunction.

B. Readings

** Review anatomy and physiology of the heart in anatomy textbook. **

Brunner Week 1: Chapters 21, 22, 23

Week 2: Chapters 11, 25, 27

Week 3: Chapter 24, 27, 26 (pg. 835-853)

Davis Drug Refer to appropriate drug classifications relative to this area.

C. College Laboratory: Laboratory readings are on weekly lab guide.

OUTLINE

II. Baseline data

A. Overview of the heart

1. Structure (review)
2. Function (review)
3. Fundamentals of electrocardiogram (MS Lab)

B. Predisposing factors related to heart disease

C. Common dysrhythmias

III. Nursing process

A. Assessment: data collection

1. Diagnostic tests/laboratory data
2. Pharmacotherapy
3. Medical and surgical interventions
4. Needs assessment of a client with:
 - a. Cardiac dysrhythmias and conduction problems
 - b. Coronary Artery Disease
 - I. Angina pectoris
 - II. Acute coronary syndrome (myocardial infarction)
 - c. Cardiac dysfunctions (etiology, assessment, interventions)
 - I. Congestive heart failure
 - II. Congenital cardiac defects
 - III. Valvular heart disease
 - IV. Infectious and inflammatory heart disease
 - V. Cardiomyopathy
 - VI. Cardiogenic shock
 - VII. Septic Shock
 - VIII. Pulmonary Edema
 - IX. Pulmonary Embolism

d. Vascular Dysfunction

- I. Hypertension
- II. Aneurysms
- III. Arterial obstruction- arterial bypass

e. Clients undergoing cardiac surgery

- I. Pacemaker insertion
- II. Repair and by-pass surgery
- III. Angioplasty

B. Data analysis: common nursing diagnoses

1. Altered cardiac output R/T dysfunctional electrical conduction
2. Fluid volume excess R/T decreased urinary output secondary to heart failure
3. Activity intolerance R/T imbalance between oxygen supply and demand
4. Anxiety R/T unknown outcome of diagnostic tests
5. Noncompliance R/T denial of illness
6. Altered tissue perfusion R/T impaired circulation

C. Expected outcomes

D. Nursing interventions/rationale

E. Evaluation