

### Textbooks for Nursing 4:

#### REQUIRED (all, except Kaplan access, should have been purchased in previous semesters):

Kaplan Nursing	<u>Kaplan Access Card</u> : available only in the college bookstore. Card, along with paid receipt, must be shown to instructor on first day of classes. This will allow for online secure access to Kaplan homepage which provides study skills workshops, practice tests, secure tests, test results, remediation and NCLEX-RN® prep materials resources Failure to purchase Kaplan access will result in an incomplete grade.
Nursing Kit	A kit containing equipment for skills practice-available at the book store, if not previously purchased.
Smeltzer, Bare, Hinkle & Cheever	<u>Brunner &amp; Suddarth's Medical-Surgical Nursing</u> , 14 <sup>th</sup> Ed., 2017, Lippincott, (ISBN: 9781496355157) <u>Docucare</u> , Lippincott (if you did not purchase it for 12-18 months prior to Nursing 4)
Mulholland & Turner	<u>The Nurse, the Math, the Meds: Drug calculations using dimensional analysis</u> 2015, 3 <sup>rd</sup> Ed., Evolve (ISBN: 9780323187114)
Ward & Hisley	<u>Maternal-Child Nursing Care with the Women's Health Companion</u> , 2nd Ed., F.A. Davis (ISBN: 9780803636651)
McHugh/Shuster	<u>Concept Mapping</u> , 4 <sup>th</sup> Ed., F. A. Davis (ISBN: 97803638488)
Potter & Perry	<u>Clinical nursing skills and techniques</u> 8 <sup>th</sup> Ed., Elsevier (ISBN: 978032308386)
Halter-Varcarolis	<u>Foundation of Psychiatric Mental Health Nursing</u> , 7 <sup>th</sup> Ed., Saunders (ISBN: 978-1455753581)
Ackley & Ladwig	<u>Nursing Diagnosis Handbook</u> , 11 <sup>th</sup> Ed., Mosby (ISBN: 978-0-323-32224-9)

The following books are available for free on Stat!Ref via the Library website:

1. a. Leeuwen & Poelhuis-Leth Davis's Comprehensive Handbook of Lab. & Diagnostic Tests w/Nursing Implications 5<sup>th</sup> Ed (or 6<sup>th</sup>). F.A. Davis
- b. Deglin & Vallerand Davis's Drug Guide for Nurses w/CD ROM, 14<sup>th</sup> Ed., F.A. Davis (ISBN for both books: 9780803628618)

#### OPTIONAL BOOKS:

Nugent, & Vitale	<u>Test Success: Test - Taking Techniques for Beginning Nursing Students</u> , latest Ed., F.A. Davis (ISBN 978-0-8036-1894-7)
Deglin & Vallerand	<u>Med Deck</u> , 12 <sup>th</sup> Ed., F. A. Davis (ISBN-13: 978-0-8036-2329-3)

## WEEKS 1, 2 & 3

- I. ALTERATION IN OXYGENATION / PROFESSIONAL ISSUES
- II. NEEDS OF THE CLIENT HAVING DEFICIENCY IN PROVIDING OXYGEN AND NUTRIENTS TO THE CELLS
- III. 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.

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|---------------|--|
| Brunner       | Week 1: Chapters 25, 26, 27<br>Week 2: Chapters 14, 29<br>Week 3: Chapter 28, 30 (pg. 828-851), 31 |
| Ward & Hisley | Chapter 11: "Cardiovascular Heart Disease"<br>Chapter 26: Review congenital heart disease          |
| 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. The maternity client and cardiac disorders
    - f. 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