

Covenant School of Nursing
Instructional Module 7 Learning Guide
Topics: Cardiac Rhythm Analysis & Care of the Cardiac Patient
Week 1

Learning Goals/Outcomes

Upon completion of these lessons, you will be able to:

- Integrate knowledge of cardiac anatomy and how it relates to perfusion.
- Recognize signs and symptoms of cardiac problems along with nursing interventions.
- Participate in discharge and rehabilitation therapy plans to prevent re-hospitalization.

Pre-Class Preparation

Required:

- Selected reading from Lewis, Medical Surgical Nursing & HESI
- Chapter 27-Lower Respiratory Problems (Chest tubes & pleural drainage)
- Chapter 33-Coronary Artery Disease & Acute Coronary Syndrome
- Chapter 37-Vascular Disorders (Aortic Aneurysms)
- Review PowerPoint slides

Additional Resources:

- https://www.proacsl.com/training_video/the-cardiac-conduction-system [4 minutes]

Learning Activities

Classroom Activities:

- Lecture
- Case Study
- Discussion

Laboratory/Clinical:

- Care for a cardiac ICU patient with cardiac history, discuss appropriate interventions, and nursing plan of care.

Online:

- <https://youtu.be/RYZ4daFwMa8> (Cardiac Conduction System) [3 minutes]
- <https://www.youtube.com/watch?v=VIYAAdkOOrk> (ACS Pathology) [2 minutes]
- <https://www.youtube.com/watch?v=uZBwqt3UIG4> (Cardiac Rehabilitation) [2 minutes]
- <https://www.youtube.com/watch?v=JB-CqwMyrTM> (Chest Tube Care) [16 minutes]

Evaluation Methods

- In class and/or online discussion & participation
- HESI
- During clinical at the bedside and/or online
- Unit Exam

Texas DECs	QSEN Competencies
<p>Knowledge- IA2; IIA1a; IIA2; IIA3-4; IIB1-4, 6, 7, 11; IIC3-8; IIG1a, IIG3a-b, IIIB1-2, IVA1-5</p> <p>Clinical Judgments and Behaviors- IA2, IA3a-b, IB5, IIA4, IIF1a-c, IIF4, IIF5a-c, IIF6, IVC1-4, IVD1</p>	<ul style="list-style-type: none"> • Patient-centered care • Evidence based practice • Teamwork and collaboration • Quality improvement and Safety
IM Student Learning Outcomes	NCLEX Test Plan
<p style="text-align: center;">1, 2, 3, 4, 5, 6, 7, 8</p>	<ul style="list-style-type: none"> • Safe and Effective Care Environment <ul style="list-style-type: none"> - Management of Care - Advocacy - Client Right - Collaboration with Interdisciplinary - Continuity of Care - Safety & Infection Control - Accident/Error/Injury Prevention - Standard Precautions • Health Promotion & Maintenance <ul style="list-style-type: none"> - Lifestyle Choices • Psychosocial Integrity <ul style="list-style-type: none"> - Coping Mechanisms - Cultural Awareness & Influences on Health - Support Systems • Physiological Integrity & Adaptation <ul style="list-style-type: none"> - Basic Care & Comfort - Nutrition & Hydration - Pharmacological & Parenteral Therapies - Medication Administration - Reduction of Risk Potential - Hemodynamics - Illness Management
Concepts	Faculty
Perfusion	D. Kineman
Date originated: 5/13/2016	Revision Dates: 3/27/17; 6/30/17; 7/12/17; 11/2/17; 4/03/18; 4/14/19; 4/16/19; 9/25/2019; 4/20/2020