

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

Learning Goals/Outcomes

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

- Integrate knowledge of anatomy and normal electrical conduction of the heart to identify dysrhythmias
- Employ the appropriate intervention for each dysrhythmia reviewed

Pre-Class Preparation

Required:

- Selected reading from Lewis, Medical Surgical Nursing
- Chapter 35-Dysrhythmias (please review tables)
- Review PowerPoint slides prior to class

HESI Skills: Emergency Collection

- Synchronized Cardioversion – review the extended sheet and take the quiz by midnight day one

HESI Skills: Critical Care Collection

- External Defibrillation - review the extended sheet and take the quiz by midnight day one

Rhythm Strip Analysis for practice

- Completion of this worksheet is required. Complete this worksheet and place in the drop box.

Additional Resources:

- <https://youtu.be/iTHFlvwmfII> (Basic ECG)
- <https://www.healthysimulation.com/5337/free-ecg-simulator-game/>
- https://www.proacsl.com/training_video/the-cardiac-conduction-system

Learning Activities

Classroom Activities:

- Lecture
- ECG interpretation practice
- Discussion

Laboratory/Clinical:

- Care for an ED/ICU patient and review ECG rhythm strips and discuss appropriate interventions and nursing plan of care.
- Care for patients with current illness and discuss plan of care.

Online:

- <https://youtu.be/RYZ4daFwMa8> (Cardiac Conduction System) [3 min]
- <https://youtu.be/kZ-2NJRa0uw> (ECG Strips for the NCLEX) [1hr & 5min]
- Go through the PPT and try to answer ECG strips at the end of the PPT

Evaluation Methods

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

Texas DECs	QSEN Competencies
Knowledge- IA2, IIA1a, IIA2a-b, IIA3-4, IIB1-11, IIC1-8, IIG1a, IIG3a-b, IIIB1-4, IVA1-5 Clinical Judgments and Behaviors- IA2, IA3a-b, IB5, IIA4, IIF1a-c, IIF4, IIF5a-c, IIF6, IIIC2b, IVC1-4, IVD1-4	<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	P. Ponder
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;4/9/2020; 2/22/2021; 7/11/2022