

NURSING 202: ADVANCED CONCEPTS OF NURSING

UNIT II: THE PATIENT EXPERIENCING ACUTE CARDIAC FAILURE

UNIT OBJECTIVES

AT THE COMPLETION OF THE UNIT, THE STUDENT:

1. Discusses the pathophysiology and complications associated with acute cardiac failure.
2. Identifies and discusses diagnostic, pharmacologic and other medical treatment measures for patients with an acute myocardial infarction (MI).
3. Identifies the nursing responsibilities for patients with an acute myocardial infarction (MI).
4. Discusses interventional cardiology techniques and cardiac surgeries.
5. Discusses hemodynamic monitoring, cardiac pacing and ICD's for the acutely ill cardiac patient.
6. Analyzes rhythm/monitoring strips for acutely ill cardiac patients.
7. Identifies patient teaching needs for patients experiencing cardiac disorders.
8. Applies evidence-based practice/best practice standards related to care of the acute cardiac patient.
9. Implements therapeutic nursing care, using the nursing process and critical thinking skills, for patients with disorders of the cardiovascular system.

CONTENT/ HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
IV. Hemodynamic Monitoring A. Indications B. Equipment 1. Set-up 2. Zeroing the Transducer 3. Leveling the Transducer C. Nursing Management D. Types: 1. Arterial Line a) Allen's Test b) Mean Arterial Pressure (MAP) 2. CVP 3. ScVO2 4. PA Lines a) PA Pressure b) Wedge Pressure 5. Other a) Cardiac Output b) Cardiac Index c) SVR & PVR E. Complications	Experiential Learning: Hemodynamics use, set-up, and application demonstration Interactive Lecture: Group discussion on interpreting hemodynamic waveforms and normal values Visual-Based Learning: PA Lines YouTube Video		