

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	CARDIOLOGY
Course number	MDCN4212
Faculty	
Department	
Course type	College Needs
Course level	4
Credit hours (theoretical)	2
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1 - •	Communicate with patients and their families effectively
2 - •	Obtain a complete and/or focused cardiovascular history from patients.
3 - •	Perform cardiovascular physical examination on patients.
4 - •	Order appropriate investigations and interpret its results for the common or important diseases
5 - •	Recognize common and important abnormal clinical findings
6 - •	Develop a problem list and differential diagnosis based on the history, physical findings and initial investigations
7 - •	Provide patient education for their health problems
8 - •	Recognize life threatening cardiovascular emergencies and initiate appropriate primary intervention

Intended Learning Outcomes

Knowledge and Understanding	* • Understand how to recognize the sick cardiovascular patient and how to diagnose and treat common cardiovascular emergency and nonemergency presentations.
Intellectual Skills	* • Understand the role of decision making in the clinical environment and the main theoretical models of decision making.
Professional Skills	* • Reflect how patient safety may be compromised by poor decision making and ineffective healthcare environments and create strategies to overcome these.

Course Contents

- 1 - • General Approach to the cardiovascular Patient
- 2 - • Communication with cardiovascular Patients
- 3 - • Acute Coronary Syndrome
- 4 - • Hypertention
- 5 - • Valvular Heart Diseases
- 6 - • Cardiomyopathies
- 7 - • ECG reading
- 8 - • Cardiovascular Emergencies
- 9 - • Pericardial Diseases
- 10 - • Infective Endocarditis
- 11 - • Myocarditis

Teaching and Learning Methods

- 1 - Seminars.
- 2 - Bed-side teaching
- 3 - Outpatient clinics
- 4 - lectures

Teaching and Learning Methods for the Disabled Students

- 1 - lectures
- 2 - Help each student according to his needs and his condition

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Attendance	0	10
case history	10	10
multiple choice exam	60	60
practical exam	60	20

Books and References

Course note	lectures
Essential books	CURRENT Diagnosis & Treatment in cardiology
Other References (Periodical, web sites, etc.)	500 ecg

Knowledge and Skills Matrix

Main Course Contents	Study Week	Knowledge and Understanding	Intellectual Skills	Professional Skills	General Skill
Communication with cardiovascular Patients	1	knowledge main cardiac symptoms	able to analyze patient complains		
Acute Coronary Syndrome	2+3	able to differentiate between types of acs	can diagnose a case with IHD		
Hypertention	4+5	understand definitions of hypertensive patient and how to diagnose it	able to diagnose a patient came with danger features of HTN	able to prescribe appropriate medications	
Valvular Heart Diseases	6+7	knowledge different valvular lesions and their complications	understand consequences of valvular diseases		
Cardiomyopathies	8+9	knowledge of common disorders affect cardiac muscles	able to suspect these diseases before their progression		
ECG reading	10+11	understand basics of electrical pathophysiology of heart	able to interpret an ecg		use ecg in diagnosing acs
Cardiovascular Emergencies	12+13	knowledge of common emergent cardiac conditions	able to approach to these cases efficiently		rapid recognition of these cases improve patient mortality and morbidity outcomes