



COURSE SPECIFICATION

(**Cardiac Dysrhythmias**)

Faculty of Medicine– Mansoura University

(A) Administrative information

(1) Programme offering the course.	Master degree of cardiovascular medicine
(2) Department offering the programme.	Cardiovascular Medicine Department
(3) Department responsible for teaching the course.	Cardiovascular Medicine Department
(4) Part of the programme.	Second Part
(5) Date of approval by the Department's council	24-5-2016
(6) Date of last approval of programme specification by Faculty council	9-8-2016
(7) Course title.	Cardiac Dysrhythmias
(8) Course code.	CARD 514 CD
(9) Credit hours.	1credit hours
(10) Total teaching hours.	15 h

(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows: (either to be written in items or as a paragraph)

1- To produce graduate able to acquire the competence and experience to effectively manage Cardiac Dysrhythmias

(2) Intended Learning Outcomes (ILOs):

Intended learning outcomes (ILOs); Are four main categories: knowledge & understanding to be gained, intellectual qualities, professional/practical and transferable skills.

On successful completion of the course, the candidate will be able to:

A- Knowledge and Understanding

- A1- Recognizes different types of cardiac arrhythmias
- A2- Explain the pathogenesis and management of each type of cardiac arrhythmias
- A3- Explain different non invasive maneuvers for managing arrhythmias
- A4- Explain different types of arrhythmias in electrocardiography
- A5- Recognize guidelines of use of Holter monitoring and implantable loop recorders
- A6- Identify invasive electrophysiological studies for management of arrhythmias
- A7- Explain different indications of pacemakers, ICD and CRT
- A8- Identify different types of heart rate variability measurements

B- Intellectual skills

B1- Choose the best diagnostic technique for arrhythmias

B2- Describe the best way to deal with different cardiac arrhythmias

B3- Interpret different ECGs for arrhythmias

B4- Insert a temporary pacemaker in emergency situations

(3) Course content.

Subjects	Lectures	Total Teaching Hours
1- Brady arrhythmias	2	
2- Tachy arrhythmias	2	
3- Pacemakers	2	
4- ICD	1	
5- CRT	2	
6- Electrophysiological studies	2	
7- Arrhythmias in different patient subsets	2	
8- Managing arrhythmias in CCU	1	
9- Arrhythmogenic syndromes	1	
Total teaching hours	15	15

(4) Teaching methods.

4.1: lectures, seminars, workshops

4.2: clinical sessions and work experience

4.3: Problem solving, case studies

4.4: directed and self directed learning activities

(5) Assessment methods:

Assessment 1: Written exam

Assessment 2: MCQ

Percentage of each Assessment:

MCQ 6 marks of the total marks

Written exam: 24 marks of the total marks

Total: 30

(6) References of the course:

• 6.2: Text books

- Braunwald Heart Disease Text Book
- Topol Manual of Cardiology
- Hurst Heart diseases text book

• 6.3: Journals: Periodicals of American Journal of Cardiology

Periodicals of European Heart Journal

Periodicals of American Heart Journal

• 6.4: Websites: Update guidelines of cardiac arrhythmias

www.ESC.com, www.ACC.com,

(7) Facilities and resources mandatory for course completion:

Teaching rooms: Patients wards, CCU, Cardiac Catheterization Lab

Course coordinator:

Prof Dr Eman ElSafty, Professor of cardiovascular medicine

Dr. Moheb Magdy, Lecturer of cardiovascular medicine

Head of the department: Prof. AbdelRazek Maaty

Date: 8-6-2016