



COURSE SPECIFICATION

Cardiovascular genetics

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Programme offering the course.	MD degree of cardiovascular medicine
(2) Department offering the programme.	Cardiology Department
(3) Department responsible for teaching the course.	Cardiology Department
(4) Part of the programme.	2 nd 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.	Cardiovascular genetics
(8) Course code.	CARD 614 CGE
(9) Total teaching hours.	15 hours
(10) Credit hours	1 hours (15 Lecture & Seminars)

(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)

To provide the candidate with updated knowledge of pathogenesis , diagnostic and therapeutic modalities of cardiovascular genetics.

(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- Illustrate Principles of cardiovascular molecular biology and genetics

A2- Demonstrate Genetic Basis of :

Cardiovascular disease

Cardiac arrhythmias

Variable CV drug response

A3- Illustrate Basics of Cardiovascular regeneration and tissue engineering

(3) Course content:

Subjects	Lectures	Seminars	Total Teaching Hours
Principles of cardiovascular molecular biology & genetics	2 Hours	1 Hours	3
Inherited causes of cardiovascular disease	2 Hours	1 Hours	3
Genetics of cardiac arrhythmias	2 Hours	1 Hours	3
Principles of drug therapy: pharmacokinetic , pharmacodynamics & genetic of variable drug response	2 Hours	1 Hours	3
Cardiovascular regeneration and tissue engineering	2 Hours	1 Hours	3
Total Teaching Hours	10	5	15

(4) Teaching methods:

4.1: Lecture 4.2: Seminars

(5) Assessment methods:

5.1: Written. (for assessment of knowledge skills)

5.2: MCQ. (for assessment of knowledge skills)

Assessment schedule:

1-First Exam : MCQ at end of Attendance of the course .

2-Final Exam at end of course. Written exam

Percentage of each Assessment to the total mark.

1- MCQ Exam 6 marks

2-Written exam marks 24 marks

Total 30 marks

(6) References of the course:

6.1: Text books:

- Braunwald's Heart disease textbook of CVM

- Textbooks of Rehabilitation

6.2: Journals:

- New England journal of medicine -The Heart

- Journal of the American Collage of Cardiology - Circulation

6.3: Websites:

- Cardiosource - Medscape cardiology

- Escardio.org European society of Cardiology - Tctmed.com

(7) Facilities and resources mandatory for course completion:

Lecture Halls

Course coordinator: Prof Dr Gamal Faheem

Prof Dr Ensaf Bassam

Head of the department: Prof Dr AbdelRazek Maaty

Date: 8/6/2016