



Quality Assurance Unit



Tanta University
Faculty of Medicine

Department of pharmacology

Course Specifications

Pharmacology for cardiovascular medicine Diploma Degree

2015-2016

Pharmacology for cardiovascular medicine Diploma Degree Course Specifications

University: Tanta

Faculty: Medicine

Department: Pharmacology

A- Administrative Information

1-Course title: Pharmacology for Diploma degree of cardiovascular medicine

2- Department offering the program: cardiovascular medicine Department

3-Department responsible for the course: Pharmacology Department and cardiovascular medicine department Faculty of medicine.

4-Course code: TMED 02 A03-pharma

- Level: First level

6- No. of Credit / taught hours:

(First part): 2 credit hour (1hour /week for 15 weeks):

Lectures: 15hours (1 credit hour) .

7- Authorization date of course specification: 4/12/2015

B- Professional Information

1 –Overall Course aims

- Perfect the bases and methods of medical pharmacology
- Apply analytical methods when dealing with medical problem
- Oriented with the current medical problems, and up dates in pharmacology

2 – Intended learning outcomes (ILOs):

a. knowledge and understanding:

By the end of the course graduate should be able to:

a1 Recognize the basic theories and principles of basic science that help him to understand cardiovascular diseases; regarding diagnosis, management and

b. intellectual skills

By the end of the course, graduates should be able to:

b1 Analyze, and evaluate medical information and relate it to medical problem solving in cardiovascular medicine.

d. General transferable skills

By the end of the course, graduates should be able to:

d1 Perform continuous medical education

3-Course contents

1- Obligatory course (1.5 credit hours)

General (1 hour)

Pharmacokinetics

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Adverse effects of the drugs

Drug-drug interaction

Ans (2.5 hours)

Sympathomimetic

Sympathetic depressants

Parasympathomimetics

Cholinergic antagonist

CNS (2.5 hours)

Anxiolytic & sedative-hypnotics

Analgesics

CNS stimulants

GIT (2 hours)

Acid peptic diseases

Drugs for vertigo, motion sickness, & vomiting

Emetics

Prokinetic drugs

BLOOD (2 hours)

Hyperlipoproteinemia

Agent that increase blood volume

Anti anemic drugs

Drug affecting Haemostasis

CVS (3 hours)

Heart failure

Hypertension

Angina

Acute myocardial infarction

Arrhythmia

Shock and hypotensive state

RESPIRATORY(2 hours)

Drug therapy of bronchial asthma

Treatment of status asthmaticus

RENAL(2 hours)

Diuretics

Anti diuretics

Diuretic combinations

Precautions during use of diuretics

AUTACOIDS (1 hours)

Histamine

Histamine antagonists

ENDOCRINE(2 hours)

Thyroid hormones
Antithyroid hormones
Calcium metabolism
Diabetes mellitus
Adrenocortical hormones

CHEMOTHERAPY(2.5 hours)

Antimicrobials
Classification of Antimicrobials
Beta lactam antibiotics
Aminoglycosides
Chloramphenicol
Tetracyclines
Vancomycin
Macrolide antibiotics
Sulfonamides
Quinolones
Chemotherapy of tuberculosis
Antiviral

2- practical course (0.5 credit hour)

- Prescription writing (5 hours)
- How to manage clinical cases under different scenarios(5 hours)
- calculation of drug dosage and its individualization according to each patient(5 hours)

4-Teaching and learning methods

Illustrated lectures
Tutorial sessions,
Teaching under observation,
Assignment

5-Student Assessment

5.1 written examination. One written paper contains multiple long questions. To assess (a1,d1)
5.2oral examination. One sitting (3 staff members including in this sitting)to assess (a1,b1,d1)

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6- Weighing of assessments

Written examination	100 marks (50%)
Oral examination	100 marks (50%)

7- List of references

7-1 Essential books (text books)

- Goodman & Gilman's : The Pharmacological Basis of Therapeutics.
- Basic & Clinical Pharmacology (ed. G. Katzung)

7-2 Recommended books

- Pharmacology (ed. Rang H.P. & Dale M.)
- Lippincott (illustrated pharmacology Review).
- Pharmacology board review (Gary C. Rosenfeld & David S. Loose)
- Clinical Pharmacology (DR. Laurence)

7-3- Periodical, web sites:

- Br. J. Pharmacology - Biochemical Pharmacology
- www.biomedcentral.com. -www.Pubmed.Com
- www.medscape.Com. www.eulc.edu.eg
- www.ScienceDirect.Com www.WileyBlackwell.com
- www.Springer.com

8- Other resources/ facilities required for teaching and learning to achieve the above ILOs

None

9- we certify that all of the information required to deliver this course is contained in the above specifications and will be implemented

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We verify that the above Course and the analysis of students and external evaluator opinions are accurate.

Course coordinator and head of department
name.....signature.....Date.....

Head of quality assurance unit:
name.....signature.....Date.....