Department of Chest

Course Specifications

Pharmacology for Chest Diploma Degree

2021-2022

Pharmacology for Chest diploma Degree Course specifications

University: Tanta　　　**Faculty: Medicine**　　　**Department: Pathology**

1- Administrative Information

1-Course title: Pharmacology for diploma degree of Chest

2- Department offering the program: Chest Department

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

4- Course code:　CHEST7003

5- Authorization date of course specification: 21-8-2019

2- 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

a.1. Summarize the classification, mode of action, indications, contraindications, interactions and adverse effects of drugs used in the field of pulmonary medicine especially asthma, COPD and Tuberculosis.b.1.8. Take a relevant history of a patient's medication regimen

b. Intellectual skills:

By the end of the course the trainee will be able to:

b.1. Take a relevant history of a patient's medication regimen

3-Course contents

Pharmacology	Theoretical	Practical
Antibiotics use and misuse in pulmonary infection	1 h	1 h
Specific Anti tuberculosis treatment	1 h	1 h

Pharmacology	Theoretical	Practical
Anti-viral drugs	1 h	1 h
Anti-fungal drugs	1 h	1 h
Drugs for treatment and Prophylaxis of asthma	1 h	1 h
Drugs used in COPD.	1 h	1 h
Steroids (phobia)	1 h	1 h
Total	**7 h**	**7 h**

Detailed contents of course topics: (Syllabus contents):

GENERAL

Drug-drug interactions

ANS

Sympathomimetic

Adrenergic receptor antagonists

Parasympathomimetics

Cholinergic antagonist

CNS

Analgesics   **CNS stimulants**

BLOOD

Anticoagulants

Thrombolytics&fibrinolytics

Antiplatelets

CVS

Hypertension   **Shock and hypotensive state**

RESPIRATORY

Drug therapy of bronchial asthma

Treatment of status asthmaticus

Drug therapy of cough

Therapeutic gases

<u>**AUTACOIDS**</u>

Histamine antagonists

Renin Angiotensin antagonists

Plasma kinins

Eicosanoids

Leukotrienes

<u>**ENDOCRINE**</u>

Corticosteroids

<u>**CHEMOTHERABY**</u>

Classification of Antimicrobials

Beta lactam antibiotics

Aminoglycosides

Chloramphenicol

Tetracyclines

Vancomycin

Macrolide antibiotics

Sulfonamides

Quinolones

Chemotherapy of tuberculosis

Antiviral drugs

4-Teaching and learning methods:hybride

 Online Illustrated lectures

Attending Tutorial sessions,

5-Student Assessment: may be electronic but inside the faculity(face to face)

Written examination. One written paper contains multiple long and short questions .to assess (a1)

Oral examination. One sitting (2-3 staff members included in this sitting) to assess (a1.b1).

6- List of references

6-1 Essential books (text books)

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

6-2Recommended 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)

6-3- Periodical, web sites:

 -Br. J. Pharmacology   - Biochemical Pharmacology
-www. Biomed central com.

-www.Pubmed.Com
-www.medscape. Com.

-www.eulc.edu.eg
-www.Science direct. Com

-www.Wiley Blackwell.com

-www.Springer.com

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

None

8. We certify that all of the information required to deliver this course is contained in the above specifications and will be implemented

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……………….