

Faculty of Oral & Dental Medicine

Pharmacology

Information :

Course Code : SGS 302

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Faculty of Oral & Dental Medicine

Instructor Information :

| Title | Name | Office hours |
|--------------------|------------------------|--------------|
| Lecturer | Sara Adel Ahmed Khedr | 1 |
| Assistant Lecturer | Esraa Hafez Saad Hafez | |

Area Of Study :

To provide the basic knowledge about commonly used groups of drugs in dental practice.
To enable students to understand the safe use of drugs as regards adverse effects, contraindications and drug interactions

Description :

Understanding general pharmacology of autonomic nervous system drugs in bronchial asthma and hypertension. Locally acting drugs, dosage and routes of administration and drugs affecting coagulation and anticoagulants.

Course outcomes :

a. Knowledge and Understanding: :

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|-----|--|
| 1 - | Discuss the pharmacokinetic, pharmacodynamic and pharmacotherapeutic |
| 2 - | Discuss the adverse and toxic effects , and their management of commonly |
| 3 - | Given an account on limitations to the use of drugs such as |
| 4 - | Define clinically relevant age , sex , and genetic related variations that |
| 5 - | Discuss the pathophysiology of diseases and explain the rational basis for |
| 6 - | Discuss the impact of preventive pharmacology in promoting health and |
| 7 - | Define the principles , the indications , the relative advantages and |
| 8 - | Discuss the use of life saving drugs |
| 9 - | Recognize the rational and general guidelines of the use of drugs in the |

b. Intellectual Skills: :

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| 1 - | Intellectual Skills & Data Acquisition: |
| 2 - | Document drug adverse reactions |

d. General and Transferable Skills: :

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| 1 - | Respect Patient's beliefs, values and privacy. |
| 2 - | Respect ethics related to drug prescription and use especially to drugs |

3 - Recognize and effectively deal with unethical behavior of other members of healthcare team

Course Topic And Contents :

| Topic | No. of hours | Lecture | Tutorial / Practical |
|----------------------|--------------|---------|----------------------|
| Introduction | 4 | | |
| Local acting drugs | 4 | | |
| Local acting drugs. | 4 | | |
| General anesthesia. | 4 | | |
| General anesthesia | 4 | | |
| Emergency treatment | 4 | | |
| Emergency treatment | 4 | | |
| Calcium homeostasis | 4 | | |
| Calcium homeostasis | 4 | | |
| Prescription writing | 4 | | |
| Prescription writing | 4 | | |
| Prescription writing | 4 | | |
| Revision | 4 | | |

Teaching And Learning Methodologies :

Lectures.

(Small group teaching)

Practical Modules

Tutorials

Course Assessment :

| Methods of assessment | Relative weight % | Week No | Assess What |
|--------------------------------|-------------------|---------|--|
| Final Written Examination | 25.00 | | |
| Mid Term Examination | 30.00 | | assess knowledge and understanding |
| Mid Term Practical Examination | 20.00 | | assess knowledge and understanding |
| Oral Examination | 10.00 | | assess knowledge and understanding . |
| Practical Examination | 15.00 | | assess practical skills & intellectual skills & general skills |

Course Notes :

Dental pharmacology, principles and concepts

Periodicals :

Computer aided learning materials e.g. CDs.
Internet e.g. online pharmacological data base such as micromedix.com

Web Sites :

online pharmacological data base such as micromedix.com