

## Faculty of Oral & Dental Medicine

### Oral Surgery & Anaesthesia

#### Information :

**Course Code :** OMF 411

**Level :** Undergraduate

**Course Hours :** 2.00- Hours

**Department :** Faculty of Oral & Dental Medicine

#### Instructor Information :

Title	Name	Office hours
Professor	Nelly Ibrahim Hammouda Ibrahim	19
Professor	Nelly Ibrahim Hammouda Ibrahim	19
Associate Professor	Waleed Fathy Ali Esmael	
Lecturer	MAHMOUD MOHSEN ELSAYED HASSAN ELARINI	23
Lecturer	Aya Magdy Abdel Rady Elsayed Hussien	
Lecturer	MAHMOUD MOHSEN ELSAYED HASSAN ELARINI	23
Assistant Lecturer	Ahmed Said Ahmed Ibrahim	
Assistant Lecturer	ARWA LOUAY ALY HOSNI	2
Assistant Lecturer	Ahmed El sayed Fahim El sayed	
Assistant Lecturer	Dina Ayman Fayek Gayed	
Assistant Lecturer	Khaled Mohie aldeen Abdalzahir Mohamed	
Teaching Assistant	Mohamed Magdy Abdelrahim Mohamed Ahmed	
Teaching Assistant	Osama Saeed Mohamed Ibrahim	
Teaching Assistant	Karim Yasser Abobakr Mahmoud Sayyed Ahmed	

#### Area Of Study :

- 1) To educate students nerve supply for all maxillary and mandibular teeth.
- 2) To educate students dental pain pathway and methods of pain control.
- 3) To educate students pharmacology of local anesthetics and components of local anesthetic carpule.
- 4) To educate and train students in administering local anesthesia for the different dental and oral surgery procedures.
- 5) To educate students local and systemic complications of local anesthesia and their management.
- 6) Introduce the student to the basic principles and techniques of closed exodontia.
- 7) Enable the student to have intellectual and clinical skills in closed exodontias and minor oral surgical procedures based on an outpatient population.
- 8) Educate student in the basic principles of sterilization, disinfection and antisepsis and infection control of local anesthesia
- 9) Allow students to gain clinical experience in the physical examination of patients requiring minor oral surgery procedures
- 10) Educate students on medico-legal implications, appropriate use of professional ethics, attitudes, communication and problem solving skills

#### Description :

Introduction ,infection control, pain and pain pathway. Pharmacology ,techniques and complications of local anaesthesia, anatomical consideration and techniques of exodontia and aseptic technique.

### **Course outcomes :**

#### **a.Knowledge and Understanding: :**

1 -	Describe the physiologic mechanisms of pain modulation and pain control
2 -	Identify the mechanism of action of local anesthetics
3 -	Recognize the different local anesthetic solutions and vasoconstrictors
4 -	Describe the different local anesthetic techniques
5 -	Recognize the local and systemic complications of local anesthesia
6 -	Identify and list the armentarium needed for minor oral surgery procedures

#### **b.Intellectual Skills: :**

1 -	Conceder and recommended the appropriate referral of patients for specialist advice or treatment.
2 -	Consider appropriately patients'rights, particularly with regard to confidentiality and valid consent, and of patients'obligations.
3 -	Interpret clinical laboratory data and special investigations to help formulate a proper diagnosis and treatment plan

#### **c.Professional and Practical Skills: :**

1 -	Correctly perform an appropriate physical examination including intraoral and head and neck examination
2 -	Properly prepare the armentarium and the treatment environment for minor oral surgery procedures
3 -	Properly collect and record personal data, medical history and vital signs
4 -	Properly execute infection control and asepsis standards
5 -	Properly perform pre-anesthetic evaluation / premedication
6 -	Properly administer infiltration and block local anesthesia

### **Course Topic And Contents :**

Topic	No. of hours	Lecture	Tutorial / Practical
Scope of Oral and Maxillofacial Surgery	4		
Anatomical consideration, innervation, pain and pain pathway	4		
Pharmacology of Local anesthesia	4		
Local anesthetic techniques	4		
Local anesthetic complications	4		
Exodontia and its anatomical considerations	4		
Aseptic techniques	4		

### **Teaching And Learning Methodologies :**

Lectures
Clinical and Small group sessions: . a. Clinical training (demonstration, skill practice, chair-side supervision) b. Tutorial classes (small group teaching, tutorial demonisteration, case Presentation, radiographic interpretation, hands on workshop)

### **Course Assessment :**

Methods of assessment	Relative weight %	Week No	Assess What
Final term Examination	25.00		
Mid-term Examinations	30.00		knowledge and understanding
Mid-term Practical Examinations	20.00		assess Practical skills & general skills
Oral Examination	10.00		assess knowledge and understanding & general Intellectual skills
Practical Examination	15.00		

### **Course Notes :**

- ~ Teaching staff lecture notes handouts
- ~ LCD projector ( data show ) and videotape

### **Recommended books :**

- ~ Contemporary Oral and Maxillofacial Surgery by Larry J. Peterson.
- ~ Handbook of Local Anesthesia by Stanley F. Malamed
- ~ Available in the library at the faculty of oral and dental medicine, Future University