

**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         | 17           |
| Lecturer           | MAHMOUD MOHSEN ELSAYED HASSAN ELARINI  | 21           |
| Lecturer           | Ahmed Mohamed Kamal Farid Abou Zekry   |              |
| Lecturer           | Waleed Fathy Ali Esmael                |              |
| Assistant Lecturer | ABANOUB SLIEM GHABIOUS ABDELMALAK      |              |
| Assistant Lecturer | Omar Khaled Ahmed Fouad Elmelegy       |              |
| Assistant Lecturer | Khaled Mohie aldeen Abdalzahir Mohamed |              |
| Assistant Lecturer | MOHAMED FAROUK ABDELMOBDE AHMED        |              |
| Assistant Lecturer | ARWA LOUAY ALY HOSNI                   | 2            |
| Assistant Lecturer | Aya Magdy Abdel Rady Elsayed Hussien   |              |
| Assistant Lecturer | Ahmed El sayed Fahim El sayed          |              |
| Assistant Lecturer | Dina Ayman Fayek Gayed                 |              |
| Assistant Lecturer | ESLAM NASHAAT SAYED AHMED MOHAMED      |              |

**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
- CD 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