

## Faculty of Oral & Dental Medicine

### Clinical Endodontics

#### Information :

**Course Code :** ENDO 513

**Level :** Undergraduate

**Course Hours :** 2.00- Hours

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

#### Instructor Information :

| Title               | Name  | Office hours |
|---------------------|---|--------------|
| Professor           | Wael Hussein Kamel Elsayed Kamel Ahmed                    | 1            |
| Associate Professor | Adel Abdel Wahed Mahmoud Abdallah                         |              |
| Lecturer            | Samar Talaat Mohamed Mohamed                              |              |
| Lecturer            | AHMED AMR IBRAHIM ELWAKAD                                 |              |
| Lecturer            | Yasmine Ashraf Elsayed Abou khalaf                        |              |
| Assistant Lecturer  | Hatem Tarek Salah eldin Ahmed Mohamed Elsayed Abu Shousha |              |
| Teaching Assistant  | Mariam Essam Ismail Mahfouz Thabet                        |              |

#### Area Of Study :

- Demonstrate sound clinical judgment in the diagnosis, selection of cases for treatment, and formulating a treatment plan for individual cases
- Be competent in performing root canal treatment clinically in uncomplicated single and multicaual human permanent teeth with pulpal and periradicular including necrotic pulp with or without periradicular involvement.
- Provide appropriate emergency treatment for the relief of symptoms associated with pulpal and periradicular diseases.
- Reach level of competency both diagnostically and technically with the capability to perform self-evaluation.
- Be familiar with single, multiple case isolation and different rubber dam techniques and tooth buildups.
- Be aware of preventive techniques for diseases and conditions involving the pulpal and periradicular tissues in permanent and young permanent teeth.
- Be familiar with etiology of tooth discoloration and perform appropriate bleaching procedures.

#### Description :

understanding Case selection in Endodontics, Bleaching of teeth, Root resorption and dealing with it, Traumatic injuries and The vital Pulp Therapy. clinical endodontic treatment for anterior and premolar teeth

#### Course outcomes :

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

|     |  |
|-----|--|
| 1 - | Describe conditions for which root canal treatment is indicated and contraindicated  |
| 2 - | Identify factors that might require referral for consultation with senior dental specialist.   |
| 3 - | Describe the clinical and radiographic features of bone and teeth after a traumatic event with dental injuries and interpret the findings. |
| 4 - | - Describe appropriate treatment strategies (both at the time of injury and at follow up for various types of traumatic injuries.          |

|      |  |
|------|--|
| 5 -  | Identify the criteria for success or failure of various treatment modalities of traumatic injuries.                        |
| 6 -  | - Describe the indications, prognosis and procedures for vital pulp therapy  |
| 7 -  | Identify situations in which a tooth with an open apex requires vital pulp therapy, root end closure or root canal therapy |
| 8 -  | Describe the performance of root-end closure procedures and its success and failure.                                       |
| 9 -  | Describe the requirements of different coronal restoration materials and how it protects and seals.                        |
| 10 - | Describe the requirements of different coronal restoration materials and how it protects and seals.                        |
| 11 - | ) list the different bleaching techniques and different bleaching agents   |

**b. Intellectual Skills: :**

|     |  |
|-----|--|
| 1 - | plan different adjunctive endodontic treatment modalities          |
| 2 - | ) Compare between different types of root resorption               |
| 3 - | Differentiate between management options after traumatic injuries. |

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

|     |  |
|-----|--|
| 1 - | prepare the operating position and field accurately  |
| 2 - | perform all cavity preparations designs to receive different restorative materials according to the patient conditions |
| 3 - | manage emergencies   |
| 4 - | prescribe drugs  |
| 5 - | perform complete subjective, clinical objective and radiographic examination.  |
| 6 - | - perform non-surgical root canal treatment  |
| 7 - | employ the appropriate instruments, materials and techniques   |

**d. General and Transferable Skills: :**

|     |  |
|-----|--|
| 1 - | demonstrate professional attitudes in communication with patients, other members of the dental staff and other health professionals. |
| 2 - | - Deal with online applications and information technology.  |
| 3 - | practice self learning and continuing education.   |

**Course Topic And Contents :**

| Topic   | No. of hours | Lecture | Tutorial / Practical |
|---|--------------|---------|----------------------|
| Case selection for endodontic treatment and when and how to refer |              |         |                      |
| Vital pulp therapy  |              |         |                      |
| Management of traumatic dental injuries                           |              |         |                      |
| 4 Root resorption   |              |         |                      |
| Bleaching discolored teeth  |              |         |                      |

**Teaching And Learning Methodologies :**

|                   |
|-------------------|
| online sessions   |
| Lectures          |
| Clinical training |
| Demonstrations    |

Small group discussion

**Course Notes :**

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**Recommended books :**

Pathways of the pulp by Stephan Cohen and Richard Burns ( Library )

**Periodicals :**

Principles and practice of endodontics by torabinejad

**Web Sites :**

. Periodicals, Web Sites as EKB & pubmed