

## 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	MARWA WAGIH SAAD IBRAHIM ELBORAEY	
Lecturer	Hesham Mohamed Salah Eldin Gad Ibrahim	
Assistant Lecturer	Hatem Tarek Salah eldin Ahmed Mohamed Elsayed Abu Shousha	
Assistant Lecturer	AHMED AMR IBRAHIM ELWAKAD	
Teaching Assistant	Mohamed Wael Mahmoud Elsayed Bakheet	

#### 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 multicaled 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 :**

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