

## Faculty of Oral & Dental Medicine

### Clinical Endodontics

#### Information :

**Course Code :** ENDO 514

**Level :** Undergraduate

**Course Hours :** 2.00- Hours

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

#### Area Of Study :

- 1-Be competent in performing root canal treatment clinically in uncomplicated single and multi-canaled human permanent teeth with pulpal and peri-radicular including necrotic pulp with or without peri-radicular involvement.
- 2-Provide appropriate emergency treatment for the relief of symptoms associated with pulpal and peri-radicular diseases.
- 3-Provide management of endodontically treated teeth.
- 4-Be familiar with diagnosis and technical procedures involved in endodontic surgery
- 5-correlate endodontic treatment with other specialties
- 6-Consider the possibility of referral to a specialist in complicated cases

#### Description :

Understanding the Endodontic-periodontal relationship, restoring endodontically treated tooth, Surgical endodontics and Thearapeutic In Endodontics. Clinical endodontic treatment of molar teeth

#### Course outcomes :

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

1 -	state the anatomic pathways of communication between the dental pulp and the periodontium
2 -	Describe the effects of pulpal disease and endodontic procedures on the periodontium and vice versa
3 -	Describe requirements of an adequate restoration and how it protects longevity of endodontically treated teeth.
4 -	- Identify restorative options before commencing root canal treatment
5 -	- List indications and contraindication for endosurgery.
6 -	- List indications and steps for different flaps, sutures designs.
7 -	List different combinations, dosages of antibiotics for prescription.

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

1 -	- Select cases suitable for endodontic treatment.
2 -	Select suitable restoration materials according to the patient condition
3 -	Select appropriate management techniques for failed restorations according to principles.
4 -	Classify different types of analgesics
5 -	Judged quality of endodontically treated teeth for retreatment
6 -	Correlate between endo- and perio lesions for proper line of treatment

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

1 -	prepare the clinical operating position and field accurately ( Either using the two hand technique or the four hand technique ).
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2 -	perform nonsurgical root canal treatment for anterior and premolar teeth
3 -	- take periapical radiographs using ( direct and horizontal shift ) and film processing for the clinical cases during endodontic treatment.
4 -	manage emergency case using supplemental anesthesia techniques
5 -	- write a prescription for managing endodontic pain and infections
6 -	refer patient to other medical or dental specialties if needed.
7 -	interpret the preoperative, working length determination, master cone and postoperative periapical radiographs.

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

1 -	appreciate life-long learning and updates
2 -	Handle patients complaints professionally.

**Course Topic And Contents :**

Topic	No. of hours	Lecture	Tutorial / Practical
Endo-Perio relationship			
Endo-Surgery			
Non-surgical retreatment			
Restoration of Endodontically treated teeth			
Therapeutics			
Recent advances in endodontics			

**Teaching And Learning Methodologies :**

Lectures
Clinical training
Demonstrations
Small group discussion
E- learning

**Course Notes :**

Department notes available for all students on moodle.

**Recommended books :**

Cohen's Pathways of the pulp, 12th ed., 202

**Web Sites :**

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