

**Faculty of Oral & Dental Medicine**

**Oral Medicine & Periodontology**

**Information :**

**Course Code :** MPDR 411

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

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

**Instructor Information :**

<b>Title</b>	<b>Name</b>	<b>Office hours</b>
Lecturer	Sherif Abd El Rahman Lotfy Ahmed Amer	
Lecturer	SARA MOMTAZ MOHAMED SAID ELKAT	7
Lecturer	Ramy Mubarak Mohamed Hussein	
Lecturer	Noha Ahmed Nagy Mohamed Nagy Dawoud	
Assistant Lecturer	Sara Abd El Halim Hassan Ibrahim Galala	
Assistant Lecturer	Mai Talaat Mohamed Mohamed	
Assistant Lecturer	Abdelrahman Mohamed Abdelwahab Mohamed Elarif	
Assistant Lecturer	NEVEN MOHAMED OSAMA IBRAHIM ALGAMMAL	
Assistant Lecturer	Kholoud Sobhy Ibrahim Farag EIDeeb	
Assistant Lecturer	Mariam Samir Nabeeh Bibawi	
Teaching Assistant	KHOLOUD GAMAL SAAD ELSAYED	
Teaching Assistant	Sherin Sherif Fathi Ali Attia	
Teaching Assistant	Mohamed Gamal Mohamed Omran Mekkawi	
Teaching Assistant	Nouran Abdalla Gomma Abdelmaged	
Teaching Assistant	Rodina Ahmed Elsaid Mohamed Zoair	
Teaching Assistant	Alaa Allah Hesham Mousa Naguib Elbarahmtoushy	
Teaching Assistant	Nourhan Hatem Amin Mohamed Elkady	
Teaching Assistant	Nariman Hesham Hamed Shaker	
Teaching Assistant	Yasmine Hassan Farouk Abou ouf	

**Area Of Study :**

- 1)- To foster knowledge that governs the principle periodontal diseases.
- 2)- To provide opportunities for review and analysis of a wide range of patients periodontal conditions.
- 3)- To expand students analytical skills relative to clinical signs and symptoms and treatment of periodontal diseases.
- 4)- To apply and predict the knowledge obtained for the appropriate management of periodontal health.
- 5)- To foster knowledge that governs the principle of oro-dental diseases
- 6)- To provide opportunities for review and analysis of a wide range of patients chief complaints.
- 7)- To expand students analytical skills relative to clinical signs and symptoms and adjunctive special investigations of oro-dental diseases
- 8)- To apply and predict the knowledge obtained for the appropriate diagnosis of oro-dental diseases.

### **Description :**

immunology: Innate immunity, Plasma proteins, Antigen characteristics, Superantigen, Adjuvants, Immunomodulator, Cell mediated immune response (T lymphocytes and Cytokines) , Humoral immune response (B lymphocytes), Complement , periodontology: histology, classification, etiology , pathogenesis, Plaque induced gingivitis, Chronic periodontitis, Dental plaque. and role of local predisposing factors of periodontal disease.

### **Course outcomes :**

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

1 -	Define different types of periodontal diseases.
2 -	Recognize the different instruments, devices and methods used in the field of periodontology.
3 -	State scientific rules for etiology of periodontal diseases..
4 -	Describe the local and systemic modifying factors of influence on the etiology periodontal diseases.
5 -	Review the pathogenesis of periodontal diseases.
6 -	Explain different treatment modalities used by the periodontist.
7 -	Recognize normal landmarks of a healthy periodontium
8 -	Describe information about the etiology, epidemiology, pathogenesis, differential diagnosis, prevention and prognosis of periodontal diseases
9 -	Recall different techniques and methods which aid the periodontist in diagnosis of different periodontal diseases.
10 -	Memorize periodontal surgeries and the regenerative techniques used to treat various periodontal conditions.
11 -	List general aspects of dental implantology, periodontal care for dental implants and etiology and management of periimplantitis.
12 -	Define different types of oral diagnosis
13 -	Recognize the different instruments, devices and methods used in the field of oral diagnosis.
14 -	State scientific rules for obtaining patient history.
15 -	Describe different types of questions asked to the patient according to the relevant psychological and scientific background.
16 -	Review different types of chief complaints
17 -	Explain different techniques of oral examination.
18 -	Recognize normal landmarks both extra-oral and intra-oral.

19 -	Describe information about the etiology, epidemiology, pathogenesis, differential diagnosis, prevention and prognosis of oral and oral-related disorders.
20 -	Recall different laboratory tests which aid the dentist in diagnosis of different oral lesions.
21 -	Memorize rules of referral and consultations
22 -	List general aspects of dental practice including esthetics, medico-legal considerations, management and maintenance of a safe working environment.
<b>b. Intellectual Skills: :</b>	
1 -	Analyze the different data obtained by the patient related to his/her periodontal condition
2 -	Differentiate between different types of periodontal diseases
3 -	Relate information obtained from the patient to his periodontal condition
4 -	Analyze answers to the different types of questions asked to the patient.
5 -	Differentiate between different types of chief complaints.
6 -	Distinguish between the range of normal clinical
7 -	Interpret signs and symptoms and physical findings
8 -	Distinguish between the range of normal periodontal finding and abnormal deviations present.
9 -	Interpret signs and symptoms and physical finding in terms of their anatomic, pathologic, and functional periodontal diagnostic significance.
10 -	To amalgamate the obtained clinical and investigational data base with the evidence-based knowledge and skill of deductive reasoning to be proficient in clinical problem solving.
11 -	Compose a prioritized list of treatment planning to the different periodontal conditions
<b>c. Professional and Practical Skills: :</b>	
1 -	Apply the brief concise periodontal case.
2 -	Examination in a special periodontal informed consents
3 -	Use different instruments and techniques of periodontal examination and understand their limitations and hazards.
4 -	Practice a comprehensive periodontal examination
5 -	Apply a brief concise case history in an informed consent.
6 -	Use different instruments and techniques of clinical examination and understand their limitations and hazards
7 -	Relate information obtained from the patient history to its chief complaints.
8 -	Practice a comprehensive extra oral and intra oral examination including head and neck oral hard and soft tissues and properly obtain vital signs
9 -	Select the medical and dental history items relevant to chief complaint/s reported by the patient.
10 -	Finding and abnormal deviations present
11 -	in terms of their anatomic, pathologic, and functional.
12 -	Diagnostic significance.
13 -	To amalgamate the obtained clinical and investigational data base with the evidence-based knowledge and skill of deductive reasoning to be proficient in clinical problem solving.
14 -	Compose a prioritized list of tentative diagnosis, differential diagnosis and final diagnosis of each presented chief complaint/s.
15 -	Demonstrate appropriate professional attitudes and behavior in dealing with staff members and helping personnel.
16 -	Choose the effective communication means with other health care professionals to maximize patient benefits and minimize the risk of errors.

17 -	Use an appropriate formal and informal consultation with specialists in the scope of their knowledge and skills.	situations that are beyond
18 -	Recognize infection control policies.	
19 -	Select the medical and dental history items relevant to chief complaint/s	reported by the patient.
20 -	Propose an individualized treatment plan for different periodontal C done by the general dentist and those that performing the Ca Appraise his/her duty to manage periodontal health of the patient with special needs use related phase.	Assess treatment options to be need referral to a specialist conditions as well

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

1 -	Demonstrate respect to all patients irrespective of their socioeconomic level	and cultural beliefs.
2 -	Converse with patients in an attentive manner that conveys concern, encouragement to patients or their families.	compassion and
3 -	Point out to the patient the nature of his/her condition, different treatment complications in such a way that is easily understood,	answers patient questions and encourage discussion.
4 -	Demonstrate appropriate professional attitudes and behavior in dealing with helping personnel	staff members and
5 -	Choose the effective communication means with other health care	professionals
6 -	To maximize patient benefits and minimize the risk of errors	
7 -	Use an appropriate formal and informal consultations with specialists in beyond the scope of their knowledge and skills	situations that are
8 -	Recognize infection control policies	
9 -	Apply the health and safety regulations as they affect dental practice and	environment
10 -	Apply the information technology as a mean of communication for data and for life long learning	collection and analysis
11 -	Demonstrate a professional image in a manner, dress, speech, and	interpersonal
12 -	Relationship that is consistent with the health care international standards	
13 -	Appraise the socioeconomic, cultural.	
14 -	Geographic and occupational factors that may influence etiology of oral conditions	pathological
15 -	Propose an individualized treatment plan for different chief complaints	
16 -	Assess treatment options to be done by general dentist and those that need consultation.	referral and
17 -	Recommended the need of initial medical emergencies management as basic	life support.
18 -	Appraise his/her duty to manage oral health of the patient with special	needs.
19 -	Apply the health and safety regulations as	
20 -	They affect dental practice and environment	

**Course Topic And Contents :**

Topic	No. of hours	Lecture	Tutorial / Practical
Normal Periodontium	4		
Classification of Periodontal disease.	4		

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

<b>Topic</b>	<b>No. of hours</b>	<b>Lecture</b>	<b>Tutorial / Practical</b>
Etiology of periodontal disease. The dental plaque. Dental calculus	4		
Pathogenesis of periodontal disease	4		
Role of local predisposing factors in periodontal disease	4		
Effects of systemic conditions on the periodontium,	4		
Periodontal diseases.	4		
Gingival diseases.	4		
Diagnosis, prognosis and treatment planning.	4		
Control of dental plaque. Periodontal surgery.	4		
Regeneration procedures.	4		
Mucogingival surgery.	4		

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

Lectures With Discussions

Tutorial classes :- . a. Small group teaching    b. Computer projection    c. role playing

Case Study :-    a. Demonstration using computer projection    b. Demonstrate with a patient    c. Discussion and practice of the diagnostic skills    d. Skills

Guest speaker

Panel of experts

### **Course Assessment :**

<b>Methods of assessment</b>	<b>Relative weight %</b>	<b>Week No</b>	<b>Assess What</b>
Final written Examination	25.00		
Mid-term Examination	30.00		assess knowledge and understanding & general intellectual skills
Mid-term Practical Examination	20.00		assess knowledge and understanding & professional Skills & general intellectual skills
Oral Examination	10.00		to assess knowledge and understanding ( and assessment, general and professional skills & general intellectual skills )
Practical Examination	15.00		

### **Course Notes :**

The department book available for students from the department

**Periodicals :**

- Cawson Essentials of Oral Pathology and Oral Medicine . Cawson and Odell, 7th Edition, 2002
- Color Atlas of Oral Pathology, Cawson and Odell, 2nd Edition, 1999
- Clinical problem solving in dentistry. 1st Edition, 2002