

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 :

Title	Name	Office hours
Associate Professor	Sherif Abd El Rahman Lotfy Ahmed Amer	1
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Lecturer	Noha Ahmed Nagy Mohamed Nagy Dawoud	
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Assistant Lecturer	Sara Abd El Halim Hassan Ibrahim Galala	
Assistant Lecturer	Mariam Samir Nabeeh Bibawi	
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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. Intellectual Skills: :	
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
c. Professional and Practical Skills: :	
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 situations that are beyond the scope of their knowledge and skills.
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 Assess treatment options to be done by the general dentist and those that need referral to a specialist conditions as well performing the Ca Appraise his/her duty to manage periodontal health of the patient with special needs use related phase.

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, compassion and encouragement to patients or their families.
3 -	Point out to the patient the nature of his/her condition, different treatment options and possible 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 staff members and helping personnel
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 situations that are beyond the scope of their knowledge and skills
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 collection and analysis and for life long learning
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 pathological conditions
15 -	Propose an individualized treatment plan for different chief complaints
16 -	Assess treatment options to be done by general dentist and those that need referral and consultation.
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 :

Topic	No. of hours	Lecture	Tutorial / Practical
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 :

Methods of assessment	Relative weight %	Week No	Assess What
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