

## Faculty of Oral & Dental Medicine

### Periodontology

#### Information :

**Course Code :** MPD 421

**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	2
Associate Professor	Sherif Abd El Rahman Lotfy Ahmed Amer	2
Lecturer	Ramy Mubarak Mohamed Hussein	
Lecturer	Sara Abd El Halim Hassan Ibrahim Galala	
Lecturer	Ramy Mubarak Mohamed Hussein	
Assistant Lecturer	Alaa Allah Hesham Mousa Nagib Elbarahmtoushy	
Assistant Lecturer	Mariam Samir Nabeeh Bibawi	
Assistant Lecturer	NEVEN MOHAMED OSAMA IBRAHIM ALGAMMAL	
Assistant Lecturer	Kholoud Sobhy Ibrahim Farag EIDeeb	
Assistant Lecturer	Kholoud Sobhy Ibrahim Farag EIDeeb	
Assistant Lecturer	NEVEN MOHAMED OSAMA IBRAHIM ALGAMMAL	
Assistant Lecturer	Mariam Samir Nabeeh Bibawi	
Teaching Assistant	Mohamed Gamal Mohamed Omran Mekkawi	
Teaching Assistant	Sherin Sherif Fathi Ali Attia	
Teaching Assistant	Mohamed Gamal Mohamed Omran Mekkawi	
Teaching Assistant	Ali Mohamed Ali Abdelsalam Mokhles	
Teaching Assistant	Nourhan Hatem Amin Mohamed Elkady	
Teaching Assistant	Rodina Ahmed Elsaid Mohamed Zoair	
Teaching Assistant	KHOLOUD GAMAL SAAD ELSAYED	
Teaching Assistant	Sherin Sherif Fathi Ali Attia	

#### Area Of Study :

- Foster knowledge that governs the principles of innate and acquired immune defense mechanisms.
- Provide opportunities for reviewing the macro- and microanatomy of the periodontium, histopathology, etiology and pathogenesis of periodontal diseases.
- Expand students' analytical skills relative to clinical signs and symptoms and radiographic features of periodontal diseases

#### Description :

Histology of periodontium, Classification, Plaque induced gingivitis, Chronic periodontitis, Etiology of periodontal disease, Innate immunity, Cell mediated immunity, Humoral immunity, Complement, Pathogenesis of periodontal disease, Local predisposing factors

**Course outcomes :**

**a. Knowledge and Understanding: :**

1 -	Identify the mechanism of innate and acquired immune mechanisms and related immune cells.
2 -	State the different complement pathways and its role in immunity and inflammation
3 -	Recall the macro- and microanatomy of the periodontium
4 -	Define different diseases affecting the periodontium
5 -	Recognize the clinical signs and symptoms and radiographic features of plaque induced gingivitis and chronic periodontitis.
6 -	State the etiology and local predisposing factors of the periodontal diseases.
7 -	Describe the pathogenesis of periodontal diseases.

**b. Intellectual Skills: :**

1 -	Compare between innate and acquired immune responses.
2 -	Differentiate between different types of lymphocytes, subtypes of types T lymphocytes and different functions of antibodies
3 -	Recognize different periodontal diseases.
4 -	Differentiate between the different histopathological stages of gingivitis
5 -	Relate the clinical and radiographic features to reach a proper diagnosis

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

1 -	Fill a periodontal chart
2 -	Diagnose common gingival and periodontal diseases.
3 -	Apply the principles of periodontal instrumentation
4 -	Perform scaling and root planing efficiently.
5 -	Select the appropriate technique and methods for mechanical plaque control.
6 -	Modify the plan for chemical plaque control according to observed signs and symptoms
7 -	Apply infection control guidelines for all clinical procedures

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

1 -	Maintain good relationship with his/her colleagues, instructors, and professors.
2 -	Respect the patient needs and demands.
3 -	Self-evaluate professional abilities, progress, and performance

**Course Topic And Contents :**

Topic	No. of hours	Lecture	Tutorial / Practical
Histology of periodontium			
Classification			
Plaque induced gingivitis			
Chronic periodontitis			
Etiology of periodontal disease			

**Course Topic And Contents :**

Topic	No. of hours	Lecture	Tutorial / Practical
Innate immunity			
Cell mediated immunity			
Humoral immunity			
Complement			
Pathogenesis of periodontal disease			
Local predisposing factors			

**Teaching And Learning Methodologies :**

Lectures
Small group discussion
Demonstration
Clinical Training
Clinical Requirements.
E-Learning
PBL

**Course Assessment :**

Methods of assessment	Relative weight %	Week No	Assess What
Oral exam	10.00		
Classwork	25.00		
Clinical exam	15.00		
Midterm exams	25.00		
Written exam	25.00		

**Recommended books :**

~ Carranza`s Clinical Periodontology, Newman MG, Takei HH, Klokkevold PR, Carranza FA, Elsevier 13th Edition, 2018.

~ Atlas of Cosmetic and Reconstructive Periodontal Surgery, Cohen ES, Amazon 3rd Edition, 2013.