

Faculty of Oral & Dental Medicine

Periodontology

Information:

Course Code: MPD 421 Level : Undergraduate Course Hours : 3.00- Hours

Department: Faculty of Oral & Dental Medicine

Area Of Study:

a) Foster knowledge that governs the principles of innate and acquired immune defense mechanisms.

- b) Provide opportunities for reviewing the macro- and microanatomy of the periodontium, histopathology, etiology and pathogenesis of periodontal diseases.
- c) Expand students danalytical 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

<u>Course οι</u>	tcomes:		
a.Knowled	lge 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.Intellect	ual 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.Professi	onal 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					
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 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:

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

"Átlas of Cosmetic and Reconstructive Periodontal Surgery, Cohen ES, Amazon 3rd Edition, 2013.