

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 :

- 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			
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.