



Module (Course Syllabus) Catalogue 2022-2023

College/ Institute	Erbil medical technical institute	
Department	Department of dental assistant	
Module Name	Periodontology	
Module Code	PER419	
Degree	Technical Diploma <input checked="" type="checkbox"/>	Bachelor <input type="checkbox"/>
	High Diploma <input type="checkbox"/>	Master <input type="checkbox"/> PhD <input type="checkbox"/>
Semester	4 th	
Qualification	BDS, MSC (OMFS), PhD Oral surgery	
Scientific Title	Lecturer	
ECTS (Credits)	6	
Module type	Prerequisite <input type="checkbox"/>	Core <input checked="" type="checkbox"/> Assist. <input type="checkbox"/>
Weekly hours	4	
Weekly hours (Theory)	(2)hr Class	(24)Total hrs Workload
Weekly hours (Practical)	(2)hr Class	(24)Total hrs Workload
Number of Weeks	12	
Lecturer (Theory)	Dr. Mustafa Rasul Muhammed	
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Lecturer (Practical)	Dr. Mustafa Rasul Muhammed	
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Websites		

Course Book

<p>Course Description</p>	<p>Course overview:</p> <p>The aim of the teaching in Periodontology is for the dental assistant student to acquire knowledge in normal anatomical structure of the oral cavity specially focus on periodontium and its various cells and tissues and organ systems. The main focus is on the role of dental assistant, preparation of dentist and patient. The central goal of assistant course is to provide students with a firm understanding of the techniques and standard principle of assisting program, this will be achieved through student dissection, and models, medical imaging, lecture, guided review sessions, and self-directed learning The teaching in four hand dentistry. In oral Periodontology there will be a general introduction to all instruments that uses in both scaling - polishing and periodontal surgery also the students inform about all types of oral diseases and transmissible infection, the technics to prevent transmission to patient and them self another strategy in teaching program to learn student about assisting surgeon during surgery and sterilizing all instruments that will be use in periodontology.</p>
<p>Course objectives</p>	<ul style="list-style-type: none"> • Recognize the essential terminology necessary to properly describe periodontology. • Identify periodontal instruments. • Preparation dentist, patient and instruments. • List the oral diseases and pathological condition. • Understand fourhanded dentistry. • Learn how to sterilize periodontal instruments.
<p>Student's obligation</p>	<ul style="list-style-type: none"> • Demonstrate professional behavior by completing all courserequirements, including course evaluations, in a timely manner. • Demonstrate responsibility and accountability by attending and being punctual at all required course activities such as practice on patient with supervisor, blessing ceremonies, and exams. • Demonstrate professional behavior by requesting any excused absence from required course activities well ahead of the scheduled date

Required Learning Materials

- Classroom lectures
- Demonstrations
- Tests and exams
- Review for exams
- Textbook reading assignments

Using: data show, white board, videos , pre lecture printed paper including all lecture information's, using anatomical models , 3D applications available wither on PC or smart phones.

Evaluation	Task	Weight (Marks)	Due Week	Relevant Learning Outcome	
	Paper Review	0			
	Assignments	Homework	10		
		Class Activity	4		
		Report	10		
		Seminar	10		
		Essay	0		
		Project	0		
	Quiz	10			
	Lab.	0			
	Midterm Exam	16			
	Final Exam	40			
	Total	100			
Specific learning outcome:	<ul style="list-style-type: none"> Identify and name parts of oral cavity. Recognize different surgical instruments. Communicate within the health team by using surgical concepts and definitions. Necessary surgical information's for further academic study in dental filled. 				

**Course
References:**

1. Abe T, Hosur KB, Hajishengallis E, et al: Local complement-targeted intervention in periodontitis: proof-of-concept using a C5a receptor (CD88) antagonist. *J Immunol* 189(11):5442–5448, 2012.
2. Adams JL, Badger AM, Kumar S, et al: p38 MAP kinase: molecular target for the inhibition of pro-inflammatory cytokines. *Prog Med Chem* 38:1–60, 2001.
3. Aghajanian C, Dizon DS, Sabbatini P, et al: Phase I trial of bortezomib and carboplatin in recurrent ovarian or primary peritoneal cancer. *J Clin Oncol* 23(25):5943–5949, 2005.
4. Akira S, Uematsu S, Takeuchi O: Pathogen recognition and innate immunity. *Cell* 124(4):783–801, 2006.
5. Albert ML, Jegathesan M, Darnell RB: Dendritic cell maturation is required for the cross-tolerization of CD8+ T cells. *Nat Immunol* 2(11):1010–1017, 2001.
6. Alcamo E, Mizgerd JP, Horwitz BH, et al: Targeted mutation of TNF receptor I rescues the RelA-deficient mouse and reveals a critical role for NF-kappa B in leukocyte recruitment. *J Immunol* 167(3):1592–1600, 2001.
7. Alexopoulou L, Thomas V, Schnare M, et al: Hyporesponsiveness to vaccination with *Borrelia burgdorferi* OspA in humans and in TLR1- and TLR2-deficient mice. *Nat Med* 8(8):878–884, 2002.
8. Al-Shammari KF, Giannobile WV, Aldredge WA, et al: Effect of nonsurgical periodontal therapy on C-telopeptide pyridinoline cross-links (ICTP) and interleukin-1 levels. *J Periodontol* 72(8):1045–1051, 2001.
9. Ambili R, Santhi WS, Janam P, et al: Expression of activated transcription factor nuclear factor-kappaB in periodontally diseased tissues. *J Periodontol* 76(7):1148–1153, 2005.
10. American Academy of Periodontology: Periodontal diseases of children and adolescents. *Pediatr Dent* 30(7 Suppl):240–247, 2008.

Course topics (Theory)	Week	Learning Outcome
Tissues of the Periodontium	1	
Pocket (gingival and periodontal)	2	
The periodontium in health and disease	3	
Periodontal Disease	4	

Materia Alba ,Dental Plaque & Dental Calculus	5	
Oral hygiene and dental care	6	
SALIVA	7	

Fluoride	8	
MOUTH	9	
Dental implant	10	
Periodontal instruments	11	
Surgical Management of Oral Pathologic Lesions	12	
Practical Topics	Week	Learning Outcome
Introduction of periodontology	1	
Four handed dentistry and practice on dental chair	2	
Introducing of periodontal instruments and their uses to students and dealing with them	3	
Sterilization and disinfection of periodontal instrument with practice on autoclave	4	
Explain the roles of dental assistance during periodontal surgery	5	
Teaching student about pre and post operation instruction to patient	6	
Preparation of patient with medically compromise patient by dental assistant to operation and Teaching students to take blood pressure and blood glucose level.	7	
Discussing technics to prevent gingivitis and role of dental assistant in this issue	8	
Practically teaching student about stages of periodontitis and clinical picture of each stage	9	
Role of dental assistant during taking biopsy by oral surgeon and giving information on filling of biopsy's form and writing down on biopsy's tube	10	

Clarify the oral pathological lesion in general their role in diagnoses and treatment with surgeon	11	
Practically teaching student about oral hygiene and steps of this process	12	

Questions Example Design

1. **1. Compositional: Q/** What are the differences between gingival pocket (false pocket) and periodontal pocket?

2. True or false type of exams:

In periodontal pocket the gingiva will enlarge and the junctional epithelium remain above the cementoenamel junction. **(False)**

3. Multiple choices:

Q/ Phase two of dental plaque development start after days of stopping tooth brushing
a. 3-4 days b. 2 days c. 5-9 days d. one week

Extra notes:

A better learning objective will be achieved through demonstrations using prosected cadavers, anatomical models if available.

External Evaluator

Promote critical thinking of crucial course concepts. Identify and help students overcome the course. Lectures covered all aspects and fundamentals of Dental Surgery and Periodontology in dental assistant perspective.

Faraeed Dawood Salman



