

KING SAUD UNIVERSITY College of Dentistry Department of Periodontics and Community Dentistry



413 PCS

CLINICAL PERIODONTOLOY II

COURSE DIRECTOR	•	Dr. Reem Al Kattan

COURSE COORDINATOR : Dr. Sumaia Alajlan

Academic Year 1435/1436 H (2014/2015) G

Created by

Prof. Nahid Ashri

Reviewed and Updated by

PCS Department Courses Review and Update Committee

- Prof. Nahid Ashri	Chairperson
- Prof. Nadir Babay	Member
- Dr. Salwa Al Sadhan	Member
- Dr. Amel Darwish	Member
- Dr. Reem Al Kattan	Member
- Dr. Mansour Al Askar	Member

COURSE TITLE: Clinical Periodontology II

COURSE CODE: PCS 413

CREDIT HOURS: 4 hours (1 hour Lecture & 3 hours Clinic)

PREREQUISITES: PCS 313

COURSE DESCRIPTION:

This course consists of a didactic and clinical component with four credit hours. This course is given to the fourth year students with the objective of teaching them how to do diagnosis, prognosis and comprehensive treatment plan that include surgery. It will cover:

- 1. The treatment of advanced forms of periodontal diseases.
- 2. The interrelation between Periodontics and other dental specialties.
- 3. Introduction to the surgical approaches in the management of moderate to advanced periodontal diseases
- 4. Overview of the Surgical implant procedures and implant maintenance
- 5. Communication, Presentation and Writing Skills Development
- 6. Introduction to evidence based and problem based learning

COURSE OBJECTIVES:

At the end of this course the student will be able to:

- 1. Perform a comprehensive diagnosis and prognosis 1.2, 1.3, 2.1
- 2. Formulate treatment plan that includes specific surgical approaches 1.3, 1.4, 2.2, 2.3
- 3. Motivate and Train patients to perform oral hygiene techniques 1.4, 5.1
- 4. Practice subgingival scaling and root planing. 1.4, 5.1
- 5. Identify the indications and procedures of periodontal surgical techniques 1.4
- 6. Evaluate the result of the performed periodontal therapy and plan the long-term result. 2.2
- 7. Identify recent materials and techniques in periodontal therapy 1.8
- 8. Recognize the role of trauma from occlusion in the etiology of periodontal disease 1.2
- 9. Identify peri-implant structures. 1.4
- 10. Identify the surgical procedures in implant dentistry from a periodontal point of view 1.4
- 11. Demonstrate improved communication, presentation and writing skills 3.1, 3.4, 4.1
- 12. Distinguish between Evidence based and problem based learning and apply it to the treatment approaches 2.3

CLINICAL COMPONENTS

This second part of this course will involve the treatment of patients with periodontitis. Upon completion of this part, the student should be able to:

- Discuss the etiology; diagnosis, prognosis and treatment plan for Periodontitis.
- Complete periodontal treatment of patients with different degree of severity and extent of disease, including routine preventive care and non-surgical periodontal treatment.
- Interpret and evaluate the treatment response.
- Discuss the surgical procedures such as Gingivectomy, periodontal flap surgery, and regenerative procedures.
- Describe regenerative periodontal techniques (bone regeneration and periodontal tissue regeneration).

COURSE CLINICAL REQUIREMENTS:

Students must satisfactorily complete the following minimum requirements:

Finish at least six (6) clinical cases:

- One case with generalized periodontitis including slight/moderate amount of subgingival calculus and/or systemic factors
- One case with generalized periodontitis case including moderate/severe amount of subgingival calculus systemic factors

- One submitted surgical report case including either crown lengthening procedure or conventional periodontal surgery (open flap debridement or modified Widman flap) or implant Fixture placement.
- One moderate to severe periodontitis re-evaluation case treated from the students own patients
- One recall and periodontal maintenance case treated by the student or any other colleagues
- Clinical case presentation based on evidence based learning and/or problem based learning
- Any additional cases will be considered positively in your clinical grading.

COURSE PROTOCOL:

- Screening of clinical cases by the **COURSE DIRECTOR** is mandatory.
- > Approval of the **COURSE DIRECTOR** to dismiss or transfer patients is mandatory.
- The COURSE DIRECTOR should approve a selected clinical case for the final competency clinical examination.
- SIGNING AND APPROVING of the treatment plan is mandatory before starting the treatment procedures
- Students are expected to perform satisfactorily in both clinical and written components of the course
- The Clinical Evaluation Form will be strictly followed for each clinical procedure, and the instructor must sign each step during the session.
- > All report of the assigned patients should be kept with the student.
- > The student should maintain discipline with regards to attending the clinic sessions on time.
- The students are expected to maintain a good relationship with his/her patients, colleagues and instructor alike.
- The student must always observe cleanliness and neatness in appearance and wear their proper clinical gowns during the clinical session; otherwise they will not be allowed to perform their clinical procedures.
- It is the responsibility of the student to complete the patient's permanent file, indicating clearly the Name, university number and signature of the students.
- At the end of each clinical session the student should obtain the signature of the instructor. A temporary file is not acceptable.
- The patient's file, without the signature of the assigned instructor, shall be considered as an incomplete clinical procedure, and will affect your daily grade.
- In a situation where the patient is unable to attend the clinic, the instructor should immediately be notified.
- > Students should attend the clinic session despite the absence of their patients.
- > Each student must fulfill the minimum treatment requirements of the course (6 patients).
- The quality of treatment for each clinical step provided will be of primary concern in the assignment of the final grade.
- Regularity, punctuality & adherence to college didactic & clinical regulation in treating patients must be strictly observed and will be graded.
- Your instructor will continually monitor your clinical skills, behavior and patient management.
- > All patients under the student's care will undergo routine evaluation.
- Scaling and root planing will be evaluated on a quadrant or sextant basis.
- > The STUDENT is responsible to assure that his/her clinical work is regularly evaluated.
- > The clinical mark will be affected if the Student will show:
 - ▹ Poor management of the case
 - ➤ Repeated ignorance to given instructions
 - ➤ Unacceptable behavior with patients and/or clinical instructors.

- Student who fails to finish the clinical work during the allotted clinical time per session will receive a zero mark. Another Zero (0) will cancel the clinical requirement for that case with the student continuing to treat the clinical case.
- > All performed clinical procedures should be recorded in the patient's file.
- It is the Student responsibility to prepare the clinic before starting the treatment. Radiographs, treatment plan, saline and sharpened instrument should always be available in the clinic.
- Attendance to the lectures and the clinic is mandatory. Being 10 minutes late to the lecture or 15 minutes late to the clinical session will be considered as absence affecting the student's evaluation.
- King Saud University rules and regulations stipulate that missing 25% of the lecture or the clinical sessions will deprive the student from setting in the final exam.
- > It is the students responsibility to coordinate with the Booking Area for patients appointments
- Student who does not fulfill the all the above-mentioned items will have their final grade negatively affected

MEASUREMENT AND EVALUATION:

To pass the course you should have passing grades in both the didactic and clinical parts. The student should pass both the final written exam and the final clinical exam.

Final mark will be calculated as follows:

A.	WI	RITTEN EXAMINATION	(40%)
	1.	Midterm examination	20%
	2.	Final examination	20%

B.	CL	INICAL EVALUATION	(60%)
	1.	Routine clinical evaluation	30%
	2.	Final Clinical competency exam	20%
	3.	Punctuality/Quizzes	10%
		TOTAL	100%

ROUTINE EVALUATION MARKS:

This evaluation measures the quality of the work performed by the student during the management of his/her periodontal patients. Marks will be calculated using the point system depending on the case selection and the procedure:

- Gingivitis case
- Slight periodontitis case
- Moderate periodontitis case
- Severe periodontitis case
- Re-evaluation after initial therapy of a case
- Recall of a finished case treated by student
- Periodontal surgery/implant case report

- 1 point out of 15
- 1.5 points out of 15
- 3 points out of 15
- 3 points out of 15
- 3 points out of 15
- 2 points out of 15
- 1.5 points out of 15

REQUIREMENT MARKS:

- A clinical treated case will not be considered in the requirement until it has a passing grade of 60%.
- Any grade below 60% will only be counted in the routine evaluation.
- Accordingly each requirement case will be calculated in accordance with their type as the following:

<u>Example</u>: Student treats a slight periodontitis case (examination, diagnosis, treatment plan and initial therapy, scaling and root planing) and the calculated average of the case from student evaluation form is 80% then the point for this case is: $(80 \times 1.5) \div 100 = 1.2$ out of 1.5 points

Clinical Case Presentation (Oral) Exam:

- A group of six to eight students will be assigned to one faculty.
- Each group will be assigned an advanced periodontal case.
- Each student should make an evidence based comprehensive treatment plan
- A meeting between group members to discuss and submit only one type written comprehensive treatment plan (data, treatment plan, Reference) is mandatory.
- The final case report should be submitted to the supervising faculty two days prior to the oral case presentation.
- The time allocated for all presentation will be from 9am-12pm.

Note

- * Grading of the case report is out of 10 marks.
- Incomplete or Failure to submit the report two days prior to the presentation will be given a failing grade

CLINICAL SCALING AND ROOT PLANING EXAM:

- Each student should perform a scaling and root planing examination in a selected quadrant of his/her ingoing clinically treated case
- Presence of moderate amount of subgingival calculus is mandatory
- The COURSE DIRECTOR should first approve the selected teeth.
- The Examination should only start with the approval of both the course director and the clinical supervisor.
- Duration of the clinical examination is one hour and a half (1:30)
- The timing for performing the scaling and root planning examination should be done during the 2nd semester TWO weeks BEFORE the end of the semester.

SURGICAL PROCEDURE REPORT:

- The surgical procedure will be evaluated on the preparation, knowledge and a submitted report.
- The report should be type written and include:
 - $\circ \quad \text{Type of surgery} \\$
 - Detailed surgical procedure
 - Advantages and disadvantages of the procedures
 - \circ ~ Pre and post surgical radiographs and photographs.

• All photographs and radiographs should be documented and submitted on a flash disk with the report TWO weeks after the surgical procedure.

ROUTINE EVALUATION AND REQUIREMENT:

The final mark will account for 40% of the total marks of the course and it is distributed as follows:

- Routine evaluation 15%
- Clinical Requirement 15%
- Punctuality/Quizzes 10%

REQUIRED TEXT:

- 1. **Carranza's Clinical Periodontology**, 11th edition, Michael G. Newman, Henry Takei, Perry R. Klokkevold, and Fermin A. Carranza (editors), Saunders Elsevier, 2011.
- 2. **Color Atlas of Dental Medicine** 1, Periodontology, 3rd ed. Herbert F. Wolf, Edith M. Rateitschak-Pluss, Klaus H. Rateitschak, Thieme Inc., 2005.
- 3. Periodontal Division Clinical Manual

Periodontal, examination and evaluation forms:

The forms, lectures and the clinical manual required for this course can be downloaded from the website: <u>http://faculty.ksu.edu.sa/nashri/default.aspx</u>

Course Director, Course Coordinator and Participating Faculty Contact Information:

0	Dr. Reem Al Kattan	reemo78@gmail.com
0	Dr. Sumaia Al Ajlan	dr-ajlan2006@hotmail.com
0	Prof. Nahid Ashri	nashri00@yahoo.com
0	Prof. Fatin Awaratani	fawartani@live.com
0	Dr. Aljohra Al Sinaidi	joharah_dent@hotmail.com
0	Dr. Nouf Al Shibani	noaf208@hotmail.com
0	Dr. Dalal Al Otaibi	dalal_dent@hotmail.com
0	Dr. Preetha Nath	drpreethanath@gmail.com
0	Dr. Bann Al Hazmi	budont@yahoo.com
0	Dr. Hind Al Harbi	halharbi.pg@gmail.com
0	Dr. Amani Basudan	amawa422@hotmail.com
0	Dr. Fatima Alahmari	<u>f_alahmari@hotmail.com</u>
0	Dr. Marwa Shaheen	dr_marwa2008@live.com
0	Dr. Nuha Alomar	dr-nuhaalomar@hotmail.com
0	Dr. Abeer Alzawawi	a.s.alzawawi@hotmail.com

413 PCS

CLINICAL EVALUATION GUIDELINES

GRADE	CLINICAL PRCEDURE
	Students will be evaluated for the following:
	• Attitude
	• Professionalism
	• Cleanness of the field
	Organization
	• Availability of the charting and x-ray
	• Scaling and root planing
	No injury to gingival tissue
00.100	• No roughness left
90-100	Good knowledge
	• Complete removal of sub.& supragingival calculus
	No injury to gingival tissue
80-89	Localized roughness left
	• Complete removal of supra. & sub-gingival calculus
	Some injury to gingival tissue
70-79	• Unable to detect localized areas of subgingival calculus
	• <u>Multiple areas</u> with root roughness left
	Obvious injury to gingival tissue
60-69	• Multiple areas with sub. & supragingival calculus
	Remarkable injury to gingival tissue
<60 (Fail)	• <u>Unable to detect huge amount of sub & supragingival calculus</u>
	• Does no deserve to pass (unsafe)

	PERIO	DDON	ΓAL CLAS AAP 1999	SIFICATION			
		I-A1	Gingivitis asso	ociated with plaque of	only		
	Plaque induced gingival disease	I-A2	Gingival disease modified by systemic factors e.g. puberty, diabetes				
		I-A3	Gingival disease modified by medication e.g. phenytoin				
		I-A4	Gingival disea deficiency	ase modified by maln	utrition e.g. vitam	nin C	
GINGIVAL DISEASE		I-B1	Gingival disea	se of specific bacter	ial origin e.g. sypl	hilis	
		I-B2	Gingival disea	use of specific viral o	rigin e.g. herpes i	nfection	
	Non-plaque induced gingival	I-B3	Gingival disea	se of fungal origin e	.g. candidiasis		
	disease	I-B4	Gingival disea	se of genetic origin	e.g. hereditary fib	romatosis	
		I-B5	Traumatic lesi	on of the gingival i.e	e. chemical, physic	cal, thermal	
		I-B6	Foreign body	reaction of the gingiv	val		
	Chronic Periodontitis	II-A1	Slight	1-2mm clinical attachment loss	Generalized >30% of sites	Localized <30% of sites	
		II-A2	Moderate	3-4mm clinical attachment loss			
DEDIODONTITIS		II-A3	Severe	5mm or more clinical attachment loss	involved	involved	
PERIODONTITIS	Aggressive Periodontitis	II-B	Absence of large amount of plaque and calculus		Generalized >30% of sites involved	Localized <30% of sites involved	
Periodontitis as manifestation of systemic disease		II-C	Such as periodontitis in acquired neutropenia or leukemia				
NECROTIZING DEDIC		III-A	Necrotizing ulcerative gingivitis				
NECROTIZING PERIODONTAL DISEASE		III-B	Necrotizing ul	cerative periodontiti	s		
ABSCESSES OF PERIODONTIUM		IV-A	Gingival absc	ess			
		IV-B	Periodontal ab	oscess			
		IV-C	Pericoronal abscess				
PERIODONTITIS ASSOCIATED WITH ENDODONTIC LESIONS		V-A	Endo-perio les	sion			
		V-B	Perio-endo les				
	V-C	Combined lesion					

PROGNOSIS CLASSIFICATION McGuire & Nunn, 1996			
GOOD	Control of the etiologic factors and adequate periodontal support as measured clinically and radiographically to ensure the tooth would be relatively easy to maintain by the patient and clinician assuming proper maintenance		
FAIR	Approximately 25% attachment loss as measured clinically and radiographically and/or class I furcation involvement. The location and depth of the furcation would allow proper maintenance with good patient compliance.		
POOR	50% attachment loss and/or class II furcations.The location and depth of the furcations would allow proper maintenance, but with difficulty.		
QUESTIONABLE	 >50% attachment loss resulting in a poor crown/root ratio. Poor root form, class II furcations not easily accessible to maintenance care, or class III furcations. ≥2+ mobility. Significant root proximity. 		
HOPELESS	Inadequate attachment to maintain the tooth in health, comfort, and function. Extraction is suggested.		

STUDENT'S PROGRESS 413 PCS FIRST SEMESTER

Date	Requirement	Complete	In Progress	Needed

STUDENT'S PROGRESS 413 PCS SECOND SEMESTER

Date	Requirement	Complete	In Progress	Needed

DEPARTMENT OF PERIODONTICS AND COMMUNITY DENTISTRY DIVISION OF PERIODONTICS 413 PCS

Evaluation Form

Patient's Name: _____

Patient's File No: _____

Case Diagnosis: <u>Severity of local factor</u>: slight - moderate - severe

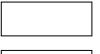
Extent of local factor: localized - generalized

Faculty Signature: _____

PROCEDURE	GRADE	FACULTY SIGNATURE
 Part I - Initial Examination Chief complaint, oral history, medical history Examination, intra and extra-oral examination Part II- Clinical Examination Periodontal Charting Radiographic interpretation Systemic and oral diagnosis Part III - Treatment Plan Motivation, OHI, Periodontal treatment plan Other dental treatment specialties needed Initial surgical treatment plan Specific and general prognosis 		
 Part IV - Therapy Motivation and oral hygiene performance Gross Scaling and polishing Scaling and root planning Quadrant I Quadrant II Quadrant III Quadrant IV Availability of the charting and x-ray Cleanness and instrument sharpening Attitude Professionalism Organization Surgical Procedure Quadrant Teeth 		
 Part V – Re-evaluation 1. Plaque, bleeding indices and re-evaluation findings 2. Definitive treatment plan 		
Part VI – Recall and maintenance		

Faculty Signature: _____

TOTAL GRADE:



TOTAL POINTS:

department of periodontics and community dentistry division of periodontics 413 PCS

Final Clinical Competency Exam I (10%)

SCALING & ROOT PLANING EXAM

Date:

File No.:

Teeth Selected:

Clinical Procedure	Grade 10	Instructor's 1 Signature	Grade 10	Instructor's 11 Signature	Average
Neatness					
Competence					
Time management					
Instrument Sharpness					
Tissue management					
Scaling and root planning					
TOTAL					

STUDENT SIGNATURE:

DEPAR	FMENT OF PERIODONTICS AND COMMUNITY DENTISTRY DIVISION OF PERIODONTICS
	413 PCS
	Clinical Competency Exam II (10%) Case Presentation
Student Name:	
Group Number:	

Performance	Grade 10%	Grade 10%	Signature 1	Signature 11
Preparation				
Organization				
Confidence				
Scientific back ground				
Discussion				
TOTAL Grade				

	Stude	e			
PATIENT NUMBER	CLINICAL DIAGNOSIS	SEVERITY LOCAL FACTORS	REQ/ADDIT	CLINICAL EVALUATION AVREAGE	POINTS
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
Total					
Additional Points					

LECTURE SCHEDULE

MIDTERM EXAM 20	FINAL CLINICAL EXAM 1 10	CASE PRESENTATI ON 10	TOTAL 40	PUNCTUALITY 10	CLINICAL EVALU. 15	CLINICAL REQIR. 15	total 40

Course Director Signature

413 PCS 2014-2015

	FIRST SEMESTER				
DATE	LECTURE	LECTURE/CLINIC	LECTURER		
1/9/2014 4/9/2014	Introduction to the Course Course Objectives, requirements and distribution of grades	Introduction to forms; periodontal, examination, daily evaluation and competency exams	Dr. AlKattan Dr. Alsarhan		
8/9/2014 11/9/2014	Classifications of Diseases and Conditions Affecting the Periodontium I &II (chapter 4)	Review of data collection, clinical examination and radiographic interpretation, clinical diagnosis, prognosis and treatment plan	Dr. Alomar Dr. Alsarhan		
15/9/2014 18/9/2014	The Surgical Phase of Periodontal Therapy and classification (chapter 52)	Review of Non-Surgical treatment, sharpening	Dr. AlKattan Dr. Qutub		
22/9/2014 25/9/2014	Surgical Anatomy of Periodontium and Related Structures (Chapter 53)	Improve Communication skills and Review of Oral Hygiene instruction, patient motivation	Dr. Alajlan Dr. Alsarhan		
	HA	JJ Break			
13/10/2014 16/10/2014	General Principles of Periodontal Surgery (Rationale and Objectives) (Chapter 54)	Regular Patients	Dr. Alhazimi Dr. Alsarhan		
20/10/2014 23/10/2014	Instruments for Periodontal Surgery (Chapter 54)	Regular patients	Dr. Nath Prof. Anil		
27/10/2014 30/10/2014	Sutures and Suture Technique (additional reading)	Regular patients	Prof. Ashri Dr. Alhamdan		
3/11/2014 6/11/2014	Periodontal Flap Surgical Procedures (Chapter 57, 59)	Regular Patients	Dr. Alsiniaidi Prof. Anil		
10/11/2014 13/11/2014	Treatment of Gingival enlargement (Chapter 58)	Regular Patients	Dr. Shaheen Dr. Alsarhan		
17/11/2014 20/11/2014	Preparation of Periodontium for Restorative Dentistry (Chapter 65,66)	Regular Patients	Prof. Awaratani Dr. Qutub		
24/11/2014 27/11/2014	Osseous Defects (Classifications) (Chapter 14)	Regular Patients	Dr. Alahmari Dr. Alzoman		
1/12/2014 4/12/2014	Resective Osseous Surgery (Chapter 60)	Regular Patients	Dr. Alhazemi Dr. Alghamdi		
8/12/2014 11/12/2014	Regenerative Osseous Surgery I (Bone Grafting) (Chapter 61)	Live Demonstration of Surgical instruments, Periodontal Flaps on Animal Head model	Dr. Alomar Dr. Alghamdi		
15/12/2014 18/12/2014	Regenerative Osseous Surgery II: Guided Tissue Regenerations (Chapter 61, additional reading)	Live Demonstration of Suturing Technique on Animal Head model	Dr. Alajlan Prof. Babay		
22/12/2014 25/12/2014	Review	Regular Patients	Dr. AlKattan Dr. Alsarhan		

LECTURE SCHEDULE 413 PCS 2014-2015

	SECOND SEM	ESTER	
DATE	LECTURE	LECTURE/CLINIC	LECTURER
26/1/2015 29/1/2015	Periodontal Plastic and Esthetic Surgery: A. Procedures to increase the width of attached gingiva (chapter 63)	Regular Patients	Dr. Alsinaidi Dr. Alhamdan
2/2/2015 5/2/2015	Periodontal Plastic and Esthetic Surgery: B. Root Coverage of Denuded Roots (chapter 63 online)	Regular Patients	Dr. ALahmari Dr. Alhamdan
9/2/2015 12/2/2015	Advanced periodontitis Case Presentation (additional reading)	Problem based Case assignment/Regular Patients	Dr. Alajlan Dr. Alqutub
16/2/2015 19/2/2015	Evidence Based Decision Making and Problem Based learning (online 768.e5)	Regular Patients	Dr. Alomar Dr. Alghamdi
23/2/2015 26/2/2015	Furcation: The Problem and Its Management (chapter 62)	Problem based Case Discussion	Dr. Alhazemi Prof. Babay
2/3/2015 5/3/2015	Systemic and Local Anti-microbial Agents in Periodontal Therapy (chapter 47)	Regular Patients	Dr. AlOtaibi Prof. Anil
9/3/2015 12/3/2015	Oral Malodor (Chapter 29 and additional readings)	Regular Patients	Dr. Alajlan Dr. AlHamoudi
16/3/2015 19/3/2015	Periodontal Response to External Forces (chapter 15)	Regular Patients	Dr. AlKattan Dr. Alzoman
	Mid Term	Break	
30/3/2015 2/4/2015	Periodontal - Endodontic Continuum (chapter 51)	Regular Patients	Dr. Alharbi Prof. Babay
6/4/2015 9/4/2015	Splints In periodontal therapy (Additional readings)	Regular Patients	Dr. Alsinaidi Dr. ALsarhan
13/4/2015 16/4/2015	Results of periodontal treatments (Chapter 79)	Regular Patients	Dr. Alajlan Dr. AlHamoudi
20/4/2015 23/4/2015	Peri-implant Structure (Chapter 68)	Regular patients	Dr. AlKattan Dr. Alsarhan
27/4/2015 30/4/2015	Surgical Implant site preparation (Chapter 71)	Regular Patients	Dr. AlOtaibi Dr. Alzoman
4/5/2015 7/5/2015	Diagnosis and Treatment of Peri- implantitis and implant complications (Chapter 77)	Regular Patients	Dr. Shaheen Dr. Alhamdan
11/5/2015 14/5/2015	Dental Implants Maintenance (chapter 78, additional reading)	Regular Patients	Dr. Basudan Prof Babay





1 September 2014

LECTU	RE	NO. 1 LECTURER: Dr. Reem AlKattan				
TITLE:	E: Introduction to the course and discussion of the course outline					
AIM:	In	troduce the course objectives and ILOs				
ILOs:						
		Introduce the course Explain the course outline				
	\succ	Clarify course objectives				
	\triangleright	Explain mark distribution				
	\triangleright	Identify the course requirements				

Name the required text books

CLINICAL SESSION NO. 1

ORIENTATION:

- ✤ Assignment of Instructors
- ▶ PCS Clinical Evaluation Form
- ▶ PCS History and Exam Form
- ▶ PCS Diagnosis and Treatment Plan Form
- ✤ Clinical Competency Exam Form
- Sample Treatment Plan Form





8 September 2014

LECTUR	NO. 2 LECTURER: Dr. Nuha A	lomar			
TITLE:	Classifications of Diseases and Conditions Affecting the Periodontium I and II				
AIM: Clarify and classify diseases and conditions affecting the periodontium according to AAP 1999					
ILOs:					
~	he students should be able to classify:				
	Gingival diseases				
	Periodontal diseases				
	Necrotizing periodontal disease				
	Abscess of the periodontium				
	Periodontitis associated with endodontic lesions				
	Developmental or acquired deformities and conditions				
REFEREN	: CARRANZA's Clinical Periodontology 11 th Edition Chapter (4	4)			

CLINICAL SESSION NO. 2

REVIEW OF:

- ✤ Data collection
- ▶ Clinical examination
- ▶ Radiographic interpretation
- ✤ Clinical diagnosis
- ▶ Prognosis
- ✤ Treatment plan





15 September 2014

LECTUR	LECTURER: Dr. Reem AlKattan					
TITLE:	The Surgical Phase of Periodontal Therapy and Classification					
AIM:	Explain the need for surgical periodontal therapy and classify it					
ILOs:						
\succ	The students should be able to:					
	▶ Identify the objectives of the surgical phase					
	 Contrast between pocket elimination and pocket maintenance 					
	 Apply re-evaluation after phase I therapy 					
	 Demonstrate indications for periodontal surgery 					
	 Describe critical zones in pocket surgery 					
	Explain methods of pocket therapy					
REFEREN	CE: CARRANZA's Clinical Periodontology 11th Edition Chapter (52)					

CLINICAL SESSION NO. 3

REVIEW OF:

- ✤ Non-Surgical Instruments
- ✤ Sharpening Stones
- ✤ Sharpening technique
- ✤ Seating positions
- ✤ Instrument grasping
- ✤ Finger rest







22 September 2014

LECTUR	E NO. 4	LECTURER:	Dr. Sumaia Alajlan		
TITLE:	Surgical Anatomy of Periodonti	um and Related Stru	ctures		
AIM:	Revise and maintain the important anatomical structures related to periodontal surgery				
ILOs:					
\triangleright	The students should be able to:				
	Describe the anatomy of the maxilla and related structures				
	✤ Describe the anatomy of the second sec	e mandible and rela	ted structures		
	► Identify the presence and I	ocations of exostose	S		
	► Recognize the intraoral mu	iscles in relation to p	periodontal surgery		
	 Identify anatomic spaces 				
REFERENCE: CARRANZA's Clinical Periodontology 11th Edition Chapter (53)					
	L SESSION NO 4				

CLINICAL SESSION NO. 4

How to develop and improve Communication skills

REVIEW OF:

 \triangleright

- ✤ Oral Hygiene instruction
- ✤ Brushes and brushing techniques
- ✤ Interdental Cleaning Aids







13 October 2014

LECTURE NO. 5 LECTURER: Dr. Bann Al Hazer							
TITLE:	Ger	General Principles of Periodontal Surgery (Rationale and Objectives)					
AIM: Introduce the rational and objectives of the general principle of periodontal Surgery							
ILOs:							
۶	The	e students should be able to:					
	 Compare between outpatient and hospitalized patients in regards to periodontal surgery 						
	••	Value the importance of Consent Form					
 Explain the surgical side effects 							
REFERENCE: CARRANZA's Clinical Periodontology 11th Edition Chapter (54 pg 525							

CLINICAL SESSION NO. 5





20 October 2014

LECTURE NO. 6		0.6 LECTURER: Dr. Preetha Nath	
TITLE:	Inst	ruments for Periodontal Surgery	
AIM:	Identify and recognize the different periodontal surgical instruments		
ILOs:			
\checkmark	The	students should be able to:	
	••	Classify the periodontal surgical instruments	
	••	 Identify excisional and incisional instruments 	
	 Describe periosteal elevators 		
	 Compare between surgical curettes and sickles 		
	 Recognize the Surgical chisels and tissue forceps 		
	••	Identify surgical Scissors, nippers and needle holders	
REFEREN	ICE:	CARRANZA's Clinical Periodontology 11 th Edition Chapter (54 pg 531)	

CLINICAL SESSION NO. 6





27 October 2014

LECTURE	E NO. 7	LECTURER:	Prof. Nahid Ashri
TITLE: Sutures and Suture Technique			
AIM: To describe and illustrate the different suturing materials and techniques used in periodontal surgery			
ILOs:			
The students should be able to:			
l	Recognize the anatomy of the	eneedle	
	Describes the different types of suturing materials		
 Apply the most commonly used suturing techniques in periodontal surgery 			
REFERENCE: Additional Reading			

CLINICAL SESSION NO. 7





3 November 2014

LECTURE	NO. 8 LECTURER: Dr. Aljohara AlSinaidi		
TITLE:	Periodontal Flap Surgical Procedures		
AIM:	To classify and describe the different periodontal flap surgical procedures		
ILOs:			
> 1	The students should be able to:		
)	 Classify the periodontal flaps 		
)	 Identify the design of periodontal flap 		
	 Describe and differentiate the different periodontal Incisions 		
)	Illustrate periodontal flap elevation		
)	 Explain the healing process after periodontal flap surgery 		
	 Describe the different periodontal flap techniques: Modified Widman, 		
	Undisplaced and Apically positioned flap.		
	REFERENCE: CARRANZA's Clinical Periodontology 11 th Edition Chapters (57 pg 550, 59 pg 562)		

CLINICAL SESSION NO. 8



9th Week

10 November 2014

LECTURE NO. 9		LECTURER:	Dr. Marwa Shaheen	
TITLE:	TITLE: Treatment of Gingival Enlargement			
AIM:	M: To define and recognize the different treatment options for gingival enlargement			
ILOs:				
The students should be able to:				
 Recognize chronic inflammatory enlargement Differentiate between periodontal and gingival abscesses Describe gingival enlargement associated with drug Recall leukemic gingival enlargement Describe gingival enlargement in pregnancy and puberty Analyze the recurrence of gingival enlargement Describe the treatment options for gingival enlargement: Gingivectomy vs. Flap technique. 				
REFEREN	CE: CARRANZA's Clinical Period	lontology 11 th Edi	tion Chapter (58 pg 556)	

CLINICAL SESSION NO. 9



10th Week

17 November 2014

LECTUR	LECTURER: Prof. Fatin Awartani		
TITLE:	Preparation of Periodontium for Restorative Dentistry		
AIM:	To understand the effect of different restorative and prosthodontics procedures on gingival health		
ILOs:			
\blacktriangleright	The students should be able to:		
	 Comprehend the rationale for therapy 		
	 Appraise the importance of the biological width 		
	 Analyze the consequence of inadequate biological width 		
	 Explain the sequence of treatment 		
	 Recognize the steps for pre-prosthetic surgery 		
	 Appreciate the biologic considerations of the restorative treatment 		
REFEREN	CE: CARRANZA's Clinical Periodontology 11th Edition Chapters (65 pg		
608, 66 p	g 610)		

CLINICAL SESSION NO. 10

PCS 413

11th Week

24 November 2014

LECTURE NO. 11 LECTURER: Dr Fa		Dr Fatima AlAhmari	
TITLE:	: Osseous Defects (Classifications and Diagnosis)		
AIM:	To classify osseous defects and m	ake the proper d	iagnosis
ILOs:			
	Γhe students should be able to:		
	 Identify the bone destructions caused by extension of gingival inflammation 		
	 Categorize the factors determining bone morphology in periodontal disease 		
	Recognize the bone destruction	on patterns in pe	riodontal disease
REFERENC	E: CARRANZA's Clinical Periodo	ontology 11 th Ed	ition Chapter (14 pg 140)

CLINICAL SESSION NO. 11

 $PCS 41\overline{3}$

12th Week

1 December 2014

LECTURER: Dr. Bann AlHazemi **LECTURE NO. 12** TITLE: **Resective Osseous Surgery** AIM: To explain and demonstrate the different bone resective surgical procedures ILOs: The students should be able to: \geq • Select the treatment technique rational Recognize the normal alveolar bone morphology ₩ Terminology • Identify the factors for selection of resective osseous surgery • ₩ Describe the osseous resective technique Apply postoperative maintenance ₩ REFERENCE: CARRANZA's Clinical Periodontology 11th Edition Chapter (60 pg 572)

CLINICAL SESSION NO. 12

PCS 413

13th Week

8 December 2014

LECTURE N	NO. 13 LECTURER: Dr. Noha AlOmar				
TITLE:	Regenerative Osseous Surgery I: Bone Grafting				
AIM: To explain and demonstrate the different bone regenerative procedures using bone grafts					
ILOs:					
> Th	The students should be able to:				
₩	Evaluate the importance of new attachment and bone regeneration				
••	 Recognize the regenerative surgical techniques 				
•	 Comprehend the bone graft materials 				
₩	 Describe bone grafting procedures 				
 Identify the factors influencing a successful outcome. 					
REFERENCE:	CARRANZA's Clinical Periodontology 11 th Edition Chapter (61 pg 577)				

CLINICAL SESSION NO. 13

- Live demonstration of surgical instruments,
- > Hands on workshop of periodontal flaps on animal head model

PCS 413

14th Week

15 December 2014

LECTURE N	0. 14 LECTURER: Dr. Sumaia Al Ajlan		
TITLE: Re	egenerative Osseous Surgery II : Guided Tissue Regenerations		
	To explain and demonstrate the different bone regenerative procedures using Guided Tissue Regeneration (GTR)		
ILOs:			
> The	students should be able to:		
**	Define the different terminology related to GTR		
••	Comprehend the objectives of the procedure		
**	 Recognize the GTR regenerative surgical techniques 		
**	Recognize the different regenerative surgical techniques		
 Differentiate between resorbable and non-resorbable membrar 			
Evaluate clinically and radiographically the results of GTR			
**	Describe clinical applications of GTR		
REFERENCE: additional red	CARRANZA's Clinical Periodontology 11 th Edition Chapter (61 pg 577)		

CLINICAL SESSION NO. 14

- Live demonstration of surgical instruments,
- > Hands on workshop of periodontal flaps on animal head model



15th Week

28 December 2014

MIDTERM WRITTEN EXAMINATION

PCS 413

16th Week

26 January 2015

LECTURE	NO. 16 LECTURER: Dr. Aljohara Al Sinaidi
	Periodontal Plastic and Esthetic Surgery: I. Procedures to increase the Width of attached gingiva
	To introduce and explain procedures used to increase the width of attached gingiva
ILOs:	
> Tł	e students should be able to:
>> >> >> >> >>	Describe the problems associated with attached gingiva Identify shallow vestibule Diagnose aberrant frenum Distinguish the different techniques to increase the width of attached gingiva Differentiate between frenectomy and frenotomy Comprehend the criteria for technique selection.
REFERENCE	CARRANZA's Clinical Periodontology 11 th Edition Chapter (63 pg 595)

CLINICAL SESSION NO. 16

PCS 413

17th Week

2 February 2015

LECTUR	RE NO. 17 LEC	FURER:	Dr. Fatima AlAhmari
TITLE:	Periodontal Plastic and Esthetic Su Roots	rgery: II.	Root Coverage of Denuded
AIM:	To introduce and explain procedur	es used fo	or root coverage
ILOs:			
\triangleright	The students should be able to:		
	 Comprehend the etiology of marg 	inal tissue	erecession
	 Classify recession 		
	 Understand the different root cov 	erage trea	itment options
	 Identify the surgical procedures for 	or root co	verage
REFEREN	NCE: CARRANZA's Clinical Periodon	tology 11 ^t	th Edition Chapter (63 online)

CLINICAL SESSION NO. 17

PCS 413



18th Week

9 February 2015

LECTURE	NO. 18 LECTURER: Dr. Sumaia Alajlan			
TITLE: Ad	vanced Periodontitis Case presentation			
AIM:	. To prepare periodontal comprehensive case presentation with Diagnosis and Treatment plan			
ILOs:				
> Tł	The students should be able to:			
••	Select the proper examination measures			
••	Relate clinical data to diagnosis and prognosis			
••	 Select the appropriate mode of treatment 			
**	 Apply evidence base in regards to deferential diagnosis, risk factors and alternative treatment plans 			
**				
REFERENCE	Additional Reading			

CLINICAL SESSION NO. 18

- Regular Patients
- > Distribution of PBL cases and groups

PCS 413

19th Week

16 February 2015

LECTURE NO. 19 LECTURER: Dr. Nuha Al Omar		
TITLE:	E	Evidence Based Decision Making and Problem Based Learning
AIM:		To integrate EBDM on their clinical practice . Explain PBL and it's application
ILOs:		
\triangleright	The	students should be able to:
	••	Apply evidence based decision making
	••	Assess and analyze evidence
	••	Apply problem based learning
	**	Differentiate between EBDM and PBL.
REFEREN	CE:	CARRANZA's Clinical Periodontology 11 th Edition Chapter (e5 online pg 768)

CLINICAL SESSION NO. 19

PCS 413

20th Week

23 February 2015

LECTURE NO. 20		0. 20 LECTURER: Dr. Bann Al Hazemi
TITLE:	F	Furcation: The Problem and Its Management
AIM:	Т	o comprehend the anatomy, classification and management of furcation
ILOs:		
	The	students should be able to:
	₩	Understand the etiological factors of furcation problems
	••	Diagnose furcation defects
	••	Classify furcation involvement
	••	Integrate local anatomic factors in the treatment of furcation
	••	Treat furcation defects
	••	Describe the surgical therapy for furcation involvement
	••	Present a prognosis for the furcation surgical treatment outcome
REFEREN	CE:	CARRANZA's Clinical Periodontology 11 th Edition Chapter (62 pg 825)

CLINICAL SESSION NO. 20

> PB case presentation

PCS 413

21st Week

2 March 2015

LECTURE N	0. 21 LECTURER: Dr. Dalal Al Otaibi	
TITLE: S	Systemic and Local Anti-microbial Agents in Periodontal Therapy	
	 To understand the effect of systemic and local antibiotic therapy Apply antibiotic therapy when needed 	
ILOs:		
The students should be able to:		
**	Comprehend the systemic administration of antibiotics in periodontal diseases	
**	Judge when to apply single or combination of antibiotic therapy	
Apply local delivery of antibiotics		
**	Apply local delivery of antiseptic agent.	
REFERENCE:	CARRANZA's Clinical Periodontology 11 th Edition Chapter (47 pg 482)	

CLINICAL SESSION NO. 21



22nd Week

9 March 2015

LECTURE	NO. 22 LECTURER: Dr. Sumaia Al Ajlan
TITLE:	Oral Malodor
AIM:	To describe oral malodor in terms of causes, diagnosis and treatment
ILOs:	
► T	ne students should be able to:
H	Define halitosis
)	Discuss halitosis causes
)	Diagnose halitosis
H	Describe the differential diagnosis
H	Manage soft and hard tissue lesions that affect oral malodor.
REFERENCE	: CARRANZA's Clinical Periodontology 11 th Edition Chapter (29 pg 331 plus additional reading)

CLINICAL SESSION NO. 22



16 March 2015

23rd Week

LECTURE N	0. 23 LECTURER: Dr. Reem AlKattan		
TITLE:	Periodontal Response to External Forces		
AIM:	Γο define trauma from occlusion and understand the causative factor		
ILOs:			
> The	e students should be able to:		
••	Understand the adaptive capacity of the periodontium to occlusal forces		
**	Define trauma from occlusion		
**	Discuss the tissue response to increased occlusal forces		
**	Comprehend the effects of insufficient occlusal force		
**	Assess the reversibility of traumatic lesions		
**	Describe the influence of trauma from occlusion on the progression of marginal periodontitis		
REFERENCE:	CARRANZA's Clinical Periodontology 11 th Edition Chapter (15 pg151)		

CLINICAL SESSION NO. 23

PCS 413

24th Week

22 - 29 March 2015

Midterm break

PCS 413

25th Week

30 March 2015

LECTURI	E NO. 25 LECTURER: Dr. Hind Al Harbi
TITLE:	Periodontal - Endodontic Continuum
AIM:	To describe the interrelation between periodontium and the endodontic in relation to disease and medication
ILOs:	
	The students should be able to:
	 Understand the etiological factors of pulpal disease Classify pulpal disease in relation to periodontal disease Comprehend the effects of pulpal disease on the periodontium Comprehend the effect of periodontitis of the dental pulp Differentiate between periodontal and pulpal lesions Differentiate between periodontal and pulpal lesions Differentiation between pulpal and periodontal abscesses Manage pulpal and periodontal disease Predict the prognosis of perio- endo lesions
REFERENC	CE: CARRANZA's Clinical Periodontology 11 th Edition Chapter (51 pg 507)

CLINICAL SESSION NO. 25

PCS 413

6 April 2015

26th Week

LECTURE	NO. 26 LECTURER: Dr. Aljohara AlSinaidi		
TITLE:	Splints in Periodontal Therapy		
AIM:	To understand the concept of splint application, indication and contraindications		
ILOs:			
The students should be able to:			
**	Define splints		
**	Identify types of splints		
**	Classify splints		
**	 Understand the different school of thoughts 		
**	List the indication and contraindication		
REFERENCE: Additional Reading			

CLINICAL SESSION NO. 26

PCS 413

13 April 2015

27th Week

LECTURE N	NO. 27 LECTURER: Dr. Sumaia Al Ajlan
TITLE:	Results of Periodontal Treatments
AIM:	To understand the outcome of periodontal treatment and apply the long term maintenance
ILOs:	
> Th	e students should be able to:
₩	Prevent and treat gingivitis
••	Prevent and treat loss of attachment
••	Comprehend the tooth mortality
REFERENCE:	CARRANZA's Clinical Periodontology 11 th Edition Chapter (79 pg 756)

CLINICAL SESSION NO. 27

PCS 413

28th Week

20 April 2015

LECTURE NO. 28		LECTURER:	Dr. Reem AlKattan
TITLE:	Peri-implant Structure		
AIM:	To identify the anatomical s	structures aroun	d the implant
ILOs:			
The students should be able to:			
•	• Define implant		
•	Define endosseous impla	nt	
•	Understand the hard tissue interface		
►	 Understand the soft tissue interface 		
 Compare between teeth and implants histologically 			
REFERENCE	: CARRANZA's Clinical Peri	odontology 11 th	Edition Chapter (68 pg 626)

CLINICAL SESSION NO. 28

PCS 413

2nd Semester

27 April 2015

29th Week

LECTURE	NO. 29 LECTURER: Dr. Dalal Al Otaibi		
TITLE:	Surgical Implant Site Preparation		
AIM:	To identify the procedures to surgically prepare the implant site		
ILOs:			
≻ Th	e students should be able to:		
₩	Understand the general principles of implant surgery		
**	Describe the preparation of Implant site		
**	Comprehend the postoperative care		
**	Describe the second stage exposure surgery.		
REFERENCE:	CARRANZA's Clinical Periodontology 11 th Edition Chapter (71 pg 663)		

CLINICAL SESSION NO. 29

PCS 413

2nd Semester

30th Week

4 May 2015

LECTURE	NO. 30 LECTURER: Dr. Marwa Shaheen		
TITLE:	Diagnosis and Treatment of Peri-implantitis and Implant Complications		
AIM:	1. Diagnose and treat peri-implantitis		
	2. Identify implant complication		
ILOs:			
The students should be able to:			
₩	Define implant survival		
**	Define implant success		
**	Explain types of implant complications		
REFERENCE	CARRANZA's Clinical Periodontology 11 th Edition Chapter (77 pg 731)		

CLINICAL SESSION NO. 30

PCS 413

2nd Semester

31st Week

11 May 2015

LECTURE N	0.31	LECTURER:	Dr. Amani Basudan
TITLE:	Dental Implants Maintena	nce	
AIM:	To plan implant maintenan	ce program	
ILOs:			
The students should be able to:			
*	Understand the recall inte	ervals	
**	Apply the special instruments for implant scaling		
**	 Design the type of brush and prophy paste used in maintenance program 		
REFERENCE: CARRANZA's Clinical Periodontology 11 th Edition Chapter (78 pg 753 + additional reading)			

CLINICAL SESSION NO. 31

FINAL WRITTEN EXAMINATION