



LAHORE
MEDICAL & DENTAL
COLLEGE

Department of Periodontology

Study Guide

2024

Course director:

Dr. M. Nadeem Pasha	BDS, MSc, PhD	Head of Department
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Contributors:

Dr . Ibrar hummayun	BDS, MSC (perio)	Assistant professor
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Dr. Maha maqbool	BDS, FCPS, FICOI	Senior registrar
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Dr. Ahmad Danyal	BDS,FCPS	Senior registrar
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Co-contributors:

Dr. Nuvaira Butt

BDS, BSc

Clinical registrar

Dr. Saad

BDS

Demonstrator

Dr. Ameenah

BDS

Demonstrator

INTRODUCTON:

Periodontology is the branch of dentistry that deals with the diagnosis and treatment of the disease and conditions of supporting and surrounding tissues of the teeth.

Periodontology is a third year subject.

Students are to complete a 6 week rotation in the clinic in which they learn how to evaluate, diagnose and treat patients with diseased supporting structure of the teeth with Manual Scaling.

Students are also exposed to the ultrasonic scaling being carried out in the department once they have a grasp of the basic manual scaling

CURRICULUM

OBJECTIVES

Upon the completion of this course learners should be able to:

- 1- Recognize normal oral anatomy and variations of normal.
- 2- Relate periodontology to other dental sciences.
- 3- Distinguish features of common periodontal diseases that help in its clinical diagnosis.
- 4- Achieve cognitive proficiency in differential diagnosis for common periodontal lesions and/or diseases.
- 5- Explain the pathogenesis and etiological factors of various periodontal diseases.
- 6- Connect histopathological features of periodontal lesions to their clinical presentation and management.
- 7- Demonstrate the skills of analytical problem solving, investigation, clinical skills required for treatments and self-development in the field of periodontology.

Lectures: 2 lectures /week (45 min each)

Practical: 3 days/ week .each group has a rotation for 8 weeks

CURRICULUM OVERVIEW

SR. NO	CHAPTER	NO. OF LECTURES	NO. OF SEQ'S	NO. OF MCQ'S
1	Normal periodontium	02	01	01
2	Classification and epidemiology of periodontal disease	02	01	01
3	Etiology of periodontal disease	07	02	05

4	Relationship between periodontal disease and systemic health	04	01	03
5	Gingival pathology	08	02	05
6	Periodontal pathology	10	02	06
7	Diagnosis, prognosis, and treatment plan	06	01	04
8	Management of patients with special needs	04	01	03
9	Diagnosis and treatment of periodontal emergencies	05	01	03
10	Non-surgical treatment	10	02	03
11	Surgical treatment	10	02	03
12	Surgical procedures	04	01	03

3rd year BDS presentation schedule

Group presentation for the third years has been scheduled as follows. The class has been divided into fifteen groups & each member of the group is expected to participate/present in this activity. All members will be involved in the question answer session at the end of the presentation. All students will be graded according to their performance & marks will be added to their internal assessment.

Each group is directed to discuss & finalize the contents of their presentation with the supervisors prior to the scheduled presentations

GROUP 1:

TOPIC: Anatomy of the Periodontium

GROUP 2:

TOPIC: Classification of the Diseases Affecting Periodontium and Aging of the Periodontium

GROUP 3:

TOPIC: Periodontal Pathogenesis and Microbiology

GROUP 4:

TOPIC: Smoking and Periodontal Diseases

GROUP 5:

TOPIC: Influence of Systemic Conditions over Periodontal Health

GROUP 6:

TOPIC: Impact of Periodontal infection on Systemic Health

GROUP 7:

TOPIC: Gingivitis and Acute Gingival Infections

GROUP 8:

TOPIC: Gingival Enlargement and its Management

GROUP 9:

TOPIC: Chronic Periodontitis and Aggressive Periodontitis along with Management

Group 10:

TOPIC: Furcation defects and trauma from occlusion

Group 11:

TOPICS: Clinical Diagnosis, Prognosis and Treatment Plan

Group 12:

TOPICS: Periodontal Treatment of Medically Compromised Patients

Group 13:

TOPICS: Non-Surgical Periodontal Therapy

Group 14:

TOPICS: Surgical Periodontal Therapy

Group 15:

TOPICS: Oral Implantology: An Introduction

CLINICAL DUTIES & REQUIREMENTS:

- Each student will spend a total of 8 weeks in the Department of Periodontology during his / her 3rd year BDS

- Each student will be required to:
 1. Perform 40 Manual Scaling
 2. Assist 3 Ultrasonic scaling
 3. Observe major surgical cases in Implant Center
 4. Perform exercises on:
 - a. Probing
 - b. BPE scoring
 - c. Periodontal Charting

Record of this clinical work will be maintained in the **Clinical Record Book / Clinical assignment Forms**. This log Book will be signed by the HOD for those students who will be declared pass in **qualifying test**.

POLICY FOR MISSED ASSIGNMENTS

- a) Students have to prove valid reason for missed test and assignments.
- b) Students should inform the HOD prior to the date of scheduled examination.
- c) Course director has discretionary power to accept reason only if found reasonable.

POLICY FOR MARKING ATTENDANCE

- a) Present will be mark for those who will come sharp on time
- b) Arrival after 15 minutes will be considered absent
- c) Arrival within 15 minutes will be consider late
- d) 3 late arrivals will be equal to one absent

EVALUATION

- **Internal Assessment**

TOPIC Lahore Medical and Dental College

3rd year BDS

Department: Periodontology

DATE	DAY	Topics	Facilitator	Venue	Designation
11-Mar-24	Monday	Introduction to Periodontology (anatomy)	Dr.Nuvaira/Dr. Ibrar	LT7	clinical registrar/Assistant professor
12-Mar-24	Tuesday				
13-Mar-24	Wednesday				
14-Mar-24	Thursday	Anatomy	Dr Nuvaira/ Dr.Ibrar	LT7	clinical registrar/Assistant professor
15-Mar-24	Friday				
16-Mar-24	Saturday				
17-Mar-24	Sunday				
18-Mar-24	Monday	Anatomy	Dr Nuvaira/ Dr.Ibrar	LT7	clinical registrar/assistant professor
19-Mar-24	Tuesday				
20-Mar-24	Wednesday				
21-Mar-24	Thursday	Ageing	Dr. Maha Maqbool	LT7	Assistant Professor
22-Mar-24	Friday				
23-Mar-24	Saturday				
24-Mar-24	Sunday				
25-Mar-24	Monday	Classification and epidemiology of periodontal disease	Dr. Maha Maqbool	LT7	Assistant Professor
26-Mar-24	Tuesday				
27-Mar-24	Wednesday				
28-Mar-24	Thursday	Classification and epidemiology of periodontal disease	Dr. Maha Maqbool	LT7	Assistant Professor
29-Mar-24	Friday				
30-Mar-24	Saturday				
31-Mar-24	Sunday				
1-Apr-24	Monday	Pathogenesis	Dr. Ibrar Humayun	LT7	Assistant Professor

2-Apr-24	Tuesday				
3-Apr-24	Wednesday				
4-Apr-24	Thursday	Pathogenesis	Dr. Ibrar Humayun	LT7	Senior Registrar
5-Apr-24	Friday				
6-Apr-24	Saturday				
7-Apr-24	Sunday				
8-Apr-24	Monday	Periodontal Microbiology	Dr. Maha Maqbool	LT7	Assistant Professor
9-Apr-24	Tuesday				
10-Apr-24	Wednesday				
11-Apr-24	Thursday				
12-Apr-24	Friday				
13-Apr-24	Saturday				
14-Apr-24	Sunday				
15-Apr-24	Monday	Periodontal Microbiology	Dr. Maha Maqbool	LT7	Senior Registrar
16-Apr-24	Tuesday				
17-Apr-24	Wednesday				
18-Apr-24	Thursday	Class test 1	ALL FACULTY	LT7	Assistant Professor
19-Apr-24	Friday				
20-Apr-24	Saturday				
21-Apr-24	Sunday				
22-Apr-24	Monday	Smoking	Dr. Ibrar Humayun	LT7	Assistant Professor
23-Apr-24	Tuesday				
24-Apr-24	Wednesday				
25-Apr-24	Thursday	ROLE of Calculus & Phase 1 therapy	Dr. Maha Maqbool	LT7	
26-Apr-24	Friday				
27-Apr-24	Saturday				
28-Apr-24	Sunday				
29-Apr-24	Monday	Influence of Systemic Conditions	Dr. Maha Maqbool	LT7	Assistant Professor
30-Apr-24	Tuesday				
1-May-24	Wednesday				
2-May-24	Thursday	Influence of Systemic Conditions	Dr. Maha Maqbool	LT7	Assistant Professor
3-May-24	Friday				
4-May-24	Saturday				
5-May-24	Sunday				

6-May-24	Monday	Impact of periodontal infection on systemic health	Dr Nuvaira/ Dr.Ibrar	LT7	Clinical registrar/assistant
7-May-24	Tuesday				
8-May-24	Wednesday				
9-May-24	Thursday	Role of Calculus & Phase 1 therapy	Dr. Maha Maqbool	LT7	Senior Registrar
10-May-24	Friday				
11-May-24	Saturday				
12-May-24	Sunday				
13-May-24	Monday	Defense mechanism of gingiva + Gingival Inflammation	Dr. Maha Maqbool	LT7	Assistant Professor
14-May-24	Tuesday				
15-May-24	Wednesday				
16-May-24	Thursday	Clinical features of gingivitis	Dr.Nuvaira/Dr.Ibrar	LT7	Clinical registrar/Assistant
17-May-24	Friday				
18-May-24	Saturday				
19-May-24	Sunday				
20-May-24	Monday	Tutorial	Dr Nuvaira	LT7	Clinical registrar
21-May-24	Tuesday				
22-May-24	Wednesday				
23-May-24	Thursday	Class TEST 2	ALL FACULTY	LT7	All faculty
24-May-24	Friday				
25-May-24	Saturday				
26-May-24	Sunday				
27-May-24	Monday	Gingival Enlargement with Management	Dr. Maha Maqbool	LT7	Senior Registrar
28-May-24	Tuesday				
29-May-24	Wednesday				
30-May-24	Thursday	Gingival Enlargement with Management	Dr. Maha Maqbool	LT7	Senior Registrar
31-May-24	Friday				
1-Jun-24	Saturday				
2-Jun-24	Sunday				
3-Jun-24	Monday	Acute Gingival Infections	Dr. Maha Maqbool	LT7	Senior Registrar
4-Jun-24	Tuesday				
5-Jun-24	Wednesday				
6-Jun-24	Thursday	Acute Gingival Infections with NUP	Dr. Maha Maqbool	LT7	Senior Registrar
7-Jun-24	Friday				
8-Jun-24	Saturday				
9-Jun-24	Sunday				
10-Jun-24	Monday	Desquamative Gingivitis	Dr. Ibrar Humayun	LT7	Assistant Professor
11-Jun-24	Tuesday				
12-Jun-24	Wednesday				

21-Jul-24	Sunday				
22-Jul-24	Monday	Clinical Diagnosis	Dr. Maha Maqbool	LT7	Senior Registrar
23-Jul-24	Tuesday				
24-Jul-24	Wednesday				
25-Jul-24	Thursday	Treatment plan + Prognosis	Dr. Ibrar Humayun	LT7	Assistant Professor
26-Jul-24	Friday				
27-Jul-24	Saturday				
28-Jul-24	Sunday				
29-Jul-24	Monday	Mid term Exam	ALL FACULTY	LT7	
30-Jul-24	Tuesday				
31-Jul-24	Wednesday				
1-Aug-24	Thursday	Periodontal treatment of medically compromised	Dr. Ibrar Humayun	LT7	Assistant Professor
2-Aug-24	Friday				
3-Aug-24	Saturday				
4-Aug-24	Sunday				
5-Aug-24	Monday	Periodontal treatment of medically compromised	Dr. Ibrar Humayun	LT7	Assistant Professor
6-Aug-24	Tuesday				
7-Aug-24	Wednesday				
8-Aug-24	Thursday	Periodontal Abscess	Dr. Maha Maqbool	LT7	senior Registrar
9-Aug-24	Friday				
10-Aug-24	Saturday				
11-Aug-24	Sunday				
12-Aug-24	Monday	Endo-Perio Lesions	Dr. Ibrar Humayun	LT7	Assistant Professor
13-Aug-24	Tuesday				
14-Aug-24	Wednesday				
15-Aug-24	Thursday	Phase 1 periodontal therapy + plaque biofilm control	Dr. Maha Maqbool	LT7	Senior Registrar
16-Aug-24	Friday				
17-Aug-24	Saturday				
18-Aug-24	Sunday				
19-Aug-24	Monday	Breath Malodor	Dr. Maha Maqbool	LT7	Senior Registrar
20-Aug-24	Tuesday				
21-Aug-24	Wednesday				
22-Aug-24	Thursday	Scaling Root planning	Dr. Maha Maqbool	LT7	Senior Registrar
23-Aug-24	Friday				
24-Aug-24	Saturday				
25-Aug-24	Sunday				
26-Aug-24	Monday	Sonic and ultrasonic scaling	Dr. Maha Maqbool	LT7	Senior Registrar
27-Aug-24	Tuesday				

28-Aug-24	Wednesday				
29-Aug-24	Thursday	Class TEST 4	ALL FACULTY		
30-Aug-24	Friday				
31-Aug-24	Saturday				
1-Sep-24	Sunday				
2-Sep-24	Monday	Principles of Periodontal Surgery	Dr. Maha Maqbool	LT7	Senior Registrar
3-Sep-24	Tuesday				
4-Sep-24	Wednesday				
5-Sep-24	Thursday	Periodontal surgical therapy	Dr. Maha Maqbool	LT7	Senior Registrar
6-Sep-24	Friday				
7-Sep-24	Saturday				
8-Sep-24	Sunday				
9-Sep-24	Monday	Resective osseous surgery	Dr. Ibrar Humayun	LT7	Assistant Professor
10-Sep-24	Tuesday				
11-Sep-24	Wednesday				
12-Sep-24	Thursday	Periodontal regenerative therapy	Dr. Maha Maqbool	LT7	senior Registrar
13-Sep-24	Friday				
14-Sep-24	Saturday				
15-Sep-24	Sunday				
16-Sep-24	Monday	Furcation Involvement + treatment	Dr. Ibrar Humayun	LT7	Assistant Professor
17-Sep-24	Tuesday				
18-Sep-24	Wednesday				
19-Sep-24	Thursday	Perio plastic surgery	Dr. Maha Maqbool	LT7	senior Registrar
20-Sep-24	Friday				
21-Sep-24	Saturday				
22-Sep-24	Sunday				
23-Sep-24	Monday	Tutorial	Dr Nuvaiera/ Dr.Ibrar	LT7	Clinical registrar/Assist
24-Sep-24	Tuesday				
25-Sep-24	Wednesday				
26-Sep-24	Thursday	Class TEST 5	ALL FACULTY	LT7	
27-Sep-24	Friday				
28-Sep-24	Saturday				
29-Sep-24	Sunday				
30-Sep-24	Monday	Systemic anti infective therapy	Dr. Ibrar Humayun	LT7	Assistant Professor
1-Oct-24	Tuesday				
2-Oct-24	Wednesday				
3-Oct-24	Thursday	Locally delivered antibiotics	Dr. Ibrar Humayun	LT7	Assistant Professor

4-Oct-24	Friday				
5-Oct-24	Saturday				
6-Oct-24	Sunday				
7-Oct-24	Monday	Host modulation	Dr. Maha Maqbool	LT7	senior Registrar
8-Oct-24	Tuesday				
9-Oct-24	Wednesday				
10-Oct-24	Thursday	Restorative interrelationship	Dr. Ibrar Humayun	LT7	Assistant Professor
11-Oct-24	Friday				
12-Oct-24	Saturday				
13-Oct-24	Sunday				
14-Oct-24	Monday	Supportive periodontal therapy	Dr. Maha Maqbool	LT7	Senior Registrar
15-Oct-24	Tuesday				
16-Oct-24	Wednesday				
17-Oct-24	Thursday	Class TEST 6	ALL FACULTY	LT7	
18-Oct-24	Friday				
19-Oct-24	Saturday				
20-Oct-24	Sunday				
21-Oct-24	Monday	PROBLEM BASED LEARNING	ALL FACULTY	LT7	
22-Oct-24	Tuesday				
23-Oct-24	Wednesday				
24-Oct-24	Thursday	PROBLEM BASED LEARNING	ALL FACULTY	LT7	
25-Oct-24	Friday				
26-Oct-24	Saturday				
27-Oct-24	Sunday				
28-Oct-24	Monday	PROBLEM BASED LEARNING	ALL FACULTY	LT7	
29-Oct-24	Tuesday				
30-Oct-24	Wednesday				
31-Oct-24	Thursday	PROBLEM BASED LEARNING	ALL FACULTY	LT7	
1-Nov-24	Friday				
2-Nov-24	Saturday				
3-Nov-24	Sunday				
4-Nov-24	Monday	SEND UP EXAM	ALL FACULTY	LT7	
5-Nov-24	Tuesday				
6-Nov-24	Wednesday				
7-Nov-24	Thursday				
8-Nov-24	Friday				

GROUP PRESENTATION EVALUATION:

Group members will be graded from out of 5 marks each

Certificate will be awarded to the best presenter and best group presentation

BATCH:

1	Quality of control	
2	Clarity of content	
3	Relevance of material	
4	Logical flow/order	
5	Use of visual aids	
6	Summarization	
7	Presentation style	
8	Confidence	
9	Audience interaction	
10	Voice/pace	

11	Command over topic	
12	Response to questions	
13	Teamwork	

- **Theory Examination.**

3 hours duration

Short essay type (SEQ) & multiple choice questions (UHS pattern)

- **Viva/Oral Examination. /OSCE**

Definitive Schedule will be announced before examination date.

- **Clinical / Practical Examination**

Will be conducted on the same day as the viva, the pattern for the clinical exam will be the same as for the clinical test mentioned above

FINAL PROFESSIONAL UNIVERSITY EXAMINATION: (Total 200 marks)

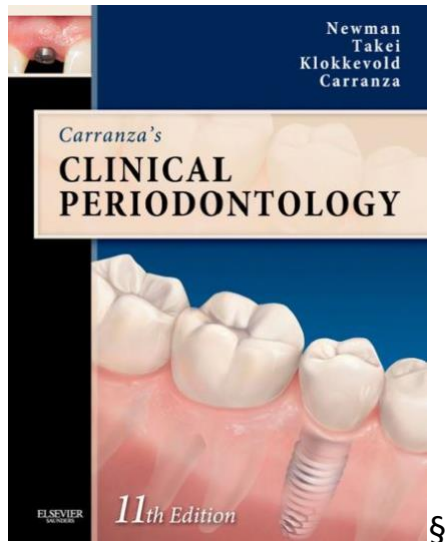
- Internal Assessment: 20 marks
- Theory. 45 marks. 15 short essay type questions
- Multiple choice question 45 marks
- Viva / Oral Examination & Clinical / Practical Examination (90 marks)

RECOMMENDED TEXTBOOKS:

References & Supporting Material

It is highly recommended that students read from sources other than lecture notes.

- **Strongly recommended :**



Carranza's Clinical periodontology; by Micheal G. Newman, Henry H Takei, Perry R. Klokkevold ,Fermin A. Carranza ; 12th edition 20017, Publisher: Elsevier, 1286 pages.

The most definitive and widely used periodontology text for both the classroom and clinical practice, Carranza's Clinical Periodontology, 12th Edition includes the most current periodontal information from basic science and fundamental procedures to the latest advanced techniques in reconstructive, esthetic, and implant therapy. Written by leading experts Michael Newman, Henry Takei, Perry Klokkevold, and Fermin Carranza, along with a pool of international contributors, this text not only shows how to perform periodontal procedures, it describes how to best manage the outcomes and explains the evidence supporting each treatment. Over 3,100 illustrations including 2,550 in full-color depict the newest developments in basic science and surgical technology.

Prepared by : DR. NUVAIRA
CLINICAL REGISTRAR