

B.D.S THIRD YEAR YEAR
SUBJECT : ORAL PATHOLOGY & ORAL MICROBIOLOGY

Teaching Scheme (Hours)				Credits	Examination Scheme				
Lect	Prac(P)	Clinical(C)	Total		External		Sessional		Total
					Theory	Pract	Theory	Pract	
156	195	-	351		1	1	3	3	8

A. COURSE OVERVIEW

At the end of Oral Pathology & Oral Microbiology course, the student should be able to comprehend -

1. The different types of pathological processes, that involve the oral cavity.
2. The manifestations of common diseases, their diagnosis & correlation with clinical pathological processes.
3. The student should understand the underlying biological principles governing treatment of oral diseases.
4. The principles of certain basic aspects of Forensic Odontology.
5. Microscopic study of common lesions affecting oral tissues through microscopic slides & projectionslides..
6. Study of teeth anomalies/polymorphisms through tooth specimens & plaster casts.
7. Microscopic study of plaque pathogens and study of haematological preparations (blood films) of anaemias & leukemias.

B. COURSE CONTENT

NO	TOPIC	L+P (hrs)	CLs
1	INTRODUCTION	2+1	CL1
2	Developmental disturbances of teeth, jaws and soft tissues of oral & paraoral region	13+12	CL1,CL3
3	Dental Caries	9+11	CL4, CL5
4	Pulp & Periapical Pathology & Osteomyelitis	5+7	CL4
5	Periodontal Diseases	5+7	CL2
6	Microbial infections of oral soft tissues	13+12	CL2,CL6
7	Common non- inflammatory diseases involving the jaws	13+15	CL4
8	Diseases of TM Joint	5+7	CL4
9	Cysts of the Oral & Paraoral region	16+18	CL2, CL5
10	Tumours of the Oral Cavity	16+18	CL4,CL5
11	Traumatic, Reactive & Regressive lesions of Oral Cavity	4+7	CL4
12	Non neoplastic Salivary Gland Diseases	4+7	CL4
13	Systemic Diseases involving Oral cavity	5+7	CL2
14	Mucocutaneous Lesions	8+11	CL2,CL4
15	Diseases of the Nerves	4+7	CL4
16	Pigmentation of Oral & Paraoral region & Discolouration of teeth	7+9	CL2,CL3
17	Diseases of Maxillary Sinus	3+6	CL3
18	ORAL PRECANCER	15+16	CL2,CL4
19	Principles of Basic Forensic Odontology (Pre-clinical Forensic Odontology)	8+7	CL2,CL6

C. TEXT BOOKS

D. REFERENCE BOOKS

1. Shafer's ; Oral Pathology, 8th edition, Elsevier, 2020.
2. Regezi & Sciubba; Oral Pathology - Clinical Pathologic correlations, 7th edition, Saunders Publications, 2016.
3. Soames & Southam; Oral Pathology, 5th edition, Oup oxford, 2018.
4. Prabhu, Wilson, Johnson & Daftary; Oral Pathology in the Tropics

E. COMPETENCY LEVEL

CL Number	Skill	Statement
CL1	Knowledge	<ul style="list-style-type: none">• Student should understand the underlying biological principles governing treatment of oral diseases .
CL2	Investigations	<ul style="list-style-type: none">• Microscopic study of common lesions affecting oral tissues through microscopic slides & projection slides.• Study of the disease process by surgical specimens.• Study of teeth anomalies/polymorphisms through tooth specimens & plaster casts.• Microscopic study of plaque pathogens.• Study of haematological preparations (blood films) of anaemias & leukemias.
CL3	Patient Care: Diagnosis	<ul style="list-style-type: none">• An understanding of the oral manifestations of systemic diseases should help in correlating with the systemic physical signs & laboratory findings
CL4	Patient Care: Treatment planning	<ul style="list-style-type: none">• Manifestations of common diseases, their diagnosis & correlation with clinical pathological processes
CL5	Patient Care: Treatment	<ul style="list-style-type: none">• Comprehend the different types of pathological processes, that involve the oral cavity.
CL6	Research and Innovation	<ul style="list-style-type: none">• Upgradation of knowledge and skill from time to time, familiarize with new concept and equipment in oral pathology & oral microbiology .
CL 7	Evidence Based Learning	<ul style="list-style-type: none">• Consolidate all the above mentioned major competencies acquired during the course and integrate newer evidence based knowledge in displaying expertise in the science of ORAL PATHOLOGY & ORAL MICROBIOLOGY

PSO1	Diagnosis	An understanding of the oral manifestations of systemic diseases should help in correlating with the systemic physical signs & laboratory findings.
PSO2	Investigations	Basic exercises in Forensic Odontology such as histological methods of age estimation and appearance of teeth in injuries
PSO3	Treatment	Correlating with the systemic physical signs & laboratory findings

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F. COURSE MATRIX

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PS O1	PS O2	PS O3
CL1	3	3	1	1	3	1	1	2	3	1	3	3	3	3	2	3	2	2
CL2	2	2	3	3	3	3	2	2	3	3	3	3	3	2	2	3	3	2
CL3	3	2	2	3	1	3	2	3	3	3	3	3	3	2	2	3	2	2
CL4	2	1	3	3	1	3	2	3	3	1	3	3	1	2	1	3	3	3
CL5	2	1	2	3	2	3	3	1	1	3	3	3	3	1	1	3	3	3
CL6	2	2	3	3	1	3	3	3	1	1	3	1	1	3	3	3	2	2
CL7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Avg	2.4	2.0	2.4	2.7	2.0	2.7	2.3	2.4	2.4	2.1	3.0	2.7	2.4	2.3	2.0	3.0	2.6	2.4