

Department of Oral Medicine



Study Guide

3rd Year BDS

College of Dentistry

Sharif Medical and Dental College,

Lahore



PREFACE

Study guides can make a major contribution to learning. They are sometimes likened to a tutor sitting on the student's shoulder-available 24 hours a day to advise the student what he/she should be doing at any stage in their study. This study guide has been carefully designed keeping in view PMC curriculum guide lining dedicated effort by faculty is done to make this guide tailored to student's needs. Students feedback has been seeded and incorporated at all stages during study guide development. Curriculum is a living dynamic entity. Our aim to improve it by every passing day. This humble effort of all faculty acts as a guiding light for our dear students.

At SMDC we follow the traditional annual academic schedule in which the subject of Oral Medicine is taught in the third academic year of a dental student. Keeping in view the mission of UHS, Lahore and vision of our institute we have designed a training program which is intensive and at the same time interesting for the young minds. This guide includes details about various teaching activities which are to take place throughout the academic year along with the time allocation of each. A list of lectures to be conducted in this session with names of the instructors is attached. Broad learning outcomes of every section of the course accompanied by specific learning objective of every lecture is also included. A complete list of clinical work to be carried out in the clinic is part of this document. Details of various assessment and testing methodology are included and marks distribution for the subject in the 3rd Professional examinations has been given. Names and email contacts of faculty have also been mentioned to foster better interaction between the teacher and the taught. A list of prescribed text and reference books forms part of this study guide. Since this document is the first of its kind we intend to improve upon it in light of the student-feedback every year.

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VISION & MISSION OF UHS

Qualitative and Quantitative Revolution in Medical Education and Research through Evolution and thereby improve Health Care delivery to Populace.

UHS shall be innovative global center of excellence in learning and research, supporting a community of scholars and professionals committed to serving society, promoting the development of students to reach their true potential in becoming competent, ethical, caring, and inquiring health professionals for the benefit of the country and the wider world.

MISSION OF SMDC

Sharif Medical & Dental College is dedicated to best serve the nation through preservation and dissemination of advanced knowledge and educating the students by latest trends in learning and research reaching levels pars excellence.

The Institution is committed to provide standardized quality medical education to its students by inculcating professional knowledge, skills and responsibilities in them with the aim of:

- Preparing them as modern physicians having initiative to act as future leaders in their respective fields and becoming lifelong learners.
- Encouraging the spirit of critical thinking through research and publication.
- Building up an understanding of the ethical values compatible with our religion, culture and social norms.
- Developing a sense of being responsible citizens of the society possessing professional competence and instilling in them the values of hard work and dedication thus preparing them to be accountable to the stakeholders and the state.

The Institution is devoted to keep abreast its faculty with the latest trends in Medical Education encompassing teaching/learning methodologies, assessment tools, research opportunities and professionalism to facilitate their professional development, competencies, and commitment towards continues learning.

Our patient-centered mission is achieved by outstanding medical care & services in professional practice with due emphasis and focus on our local health needs.

Our mission further elaborates upon establishing academic and research facilities in areas of local demand under global gold standards and leading advancement in research, education & patient care.

VISION OF SMDC

To be recognized for the provision of a safe and functional environment conducive to collaborative teaching & learning, comfortable working atmosphere, and conducting world class research through professionalism and excellence.



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PLANNED TEACHING ACTIVITIES

PMC has allocated 150 hours of teaching in the subject of Oral Medicine for the BDS course. In order to meet this requirement following teaching modules have been planned. These modules have been carefully designed to impart core knowledge of Oral Medicine in a manner that an undergraduate student can grasp the subject fully and is adequately prepared for university examinations.

Lectures:

A total of 70 lectures are planned for the entire year. The lectures will be conducted by the Associate professor or by senior lecturers that have completed their post- graduation in the subject of Oral Medicine. The lectures will be interactive and students should actively participate in them to clear their doubts. The students are required to take notes of the lectures and study the topic with the help of prescribed text books in light of the learning objectives of the topic enunciated by the teacher at the beginning of each lecture.

Clinical training:

Three days for clinical training has been planned per week. It will comprise of dividing the whole class in to five equal batches and one batch comes to the dental clinic consisting of 10 students where clinical demonstrations are given on patients related to

- Cross infection control protocols
- Try set up for patient examination
- Chair positioning, patients and doctors positioning while examination
- Detailed history taking
- Performing detailed patient examination that includes extra oral and intral oral examination

Students are required to enter their work in their quota books and get them checked by the instructors daily on completion of the day regularly.

Tutorials:

One tutorial class per week is proposed throughout the academic session. The class will be divided into 03 batches. Topics for the tutorial will be notified at least one week before the class. Three instructors, one senior and two junior, will be deputed for every batch on rotation basis. A pre-tutorial quiz or test will be held before tutorial discussion so that the students come prepared for the topic. During this interactive session the students must clear their concepts regarding the topic by actively engaging with their respective teachers.

Case based learning:

Case based learning classes will be conducted from time to time throughout the academic year. A clinical problem with a short history will be notified at least one week before the occurrence. The learning objectives and suggested reading material will also be notified along with it. The class will be divided into smaller groups for effective conduct of the proceedings. A senior instructor will be facilitating the discussion in interactive session and students are required to generate the discussion amongst themselves in line with the learning objectives of the topic.

Seminars:

Departmental seminars are to take place periodically once the students have covered a substantial quantum of course work. Preferably clinical topics will be allocated to students and they will present a very short case history with ongoing treatment of the patient along with other available drug treatment options. Each presentation will be of 10-15 minutes duration with a Question & Answer session after it. All seminars on clinical topics will be conducted in coordination with the clinical side and wherever possible relevant clinical consultant would be requested to participate in the session.

TRAINING PROGRAM FOR LECTURES

- Oral Medicine is the part of dentistry that is involved in the diagnosis and non-surgical treatment of primary and secondary disease involving the oral and para-oral structures including lymph nodes, salivary glands and TMJ disorders. Also it is concerned with the oral manifestations of systemic diseases and the oral and dental care of patients with special needs.
- Oral Medicine provides an essential link between dentistry and medicine. Practitioners in this field must possess a thorough knowledge of basic physiological and pathological mechanisms that contribute to health and disease. To become competent in the practice of oral medicine, one must perform proper assessment of patients including history taking and physical examination and develop a treatment plan.
- Teaching of Oral Medicine shall be horizontally integrated with General Surgery, General Medicine, Oral Pathology and Periodontology and vertically with Oral and Maxillofacial Surgery, Orthodontics, Oral Biology and General Pathology.

Sr. No.	Topics	Facilitator
1	<ul style="list-style-type: none"> • Significance of oral medicine • Oral diagnosis History Examination Investigation Treatment 	Dr. Aneela Amjad
2	<ul style="list-style-type: none"> • Introduction • Oral mucosa 	Dr. Aneela Amjad
3	<ul style="list-style-type: none"> • Classification • <u>Bacterial infections</u> <ul style="list-style-type: none"> • ANUG • Syphilis • Gonorrhoea • Tuberculosis • <u>Fungal Infection</u> <ul style="list-style-type: none"> • Candidiasis • <u>Viral Infections</u> <ul style="list-style-type: none"> • HSV • Varicella zoster virus • EBV • Coxsackie virus • Paramyxovirus • HIV 	Dr. Aneela Amjad
4	Oral Infections Classification <ul style="list-style-type: none"> • Mechanical • Thermal • Traumatic • Infection • Factitious • Reactive • Recurrent 	Dr. Aneela Amjad

	<p>Major Minor Herpetiform Bechets syndrome Medical management</p>	
5	<ul style="list-style-type: none"> • Angular cheilitis • Actinic cheilitis • Tongue fissures • Hairy tongue • Median rhomboid glossitis 	Dr. Ayesha Khalid
6	<ul style="list-style-type: none"> • Differential diagnosis and examination • Oral Ulcerations • Diseases of Lip and Tongue • Disturbances of taste and Halitosis • Swelling of face and neck 	Dr. Ayesha Khalid
7	<ul style="list-style-type: none"> • Introduction to minor and major salivary glands • Assessment of salivary gland function • Salivary Gland Diseases <ul style="list-style-type: none"> • Sialadenitis • Sialosis • Salivary gland tumors 	Dr. Aneela Amjad
8	<ul style="list-style-type: none"> • Denture granuloma • epulis • Brown/black Endogenous • Exogenous(drug induced, amalgam filling) • Melanomas • Endocrine abnormalities • Neurofibromatosis (café al let pigmentation) 	Dr. Aneela Amjad
	<ul style="list-style-type: none"> • Salivary glands infections • Inflammatory overgrowths, developmental and benign lesions, and Pigmented lesions/conditions 	
9	<ul style="list-style-type: none"> • Leukoplakia • Erythroplakia • Oral submucous fibrosis • Lichen planus • Early detection • Etiology • Pathogenesis • Clinical features • Investigation • Management (chemotherapy and radiotherapy) 	Dr. Aneela Amjad

10	<ul style="list-style-type: none"> • Clinical features • Diagnosis and management of • Lichen Planus • Pemphigus • pemphigoid • Erythema multiform • Epidermolysis bullosa • Lupus erythematosus • Systemic sclerosis • Graft versus host disease • Mucocutaneous and connective tissue disorders 	Dr. Saba Saleem
11	<ul style="list-style-type: none"> • Celiac disease • Crohn's disease • Orofacial granulomatosis • Ulcerative colitis • Gastroesophageal reflux disease 	Dr. Saba Saleem
12	<p><u>Blood and Nutrition Disorders</u></p> <ul style="list-style-type: none"> • Anaemia • Leukaemia • Platelet abnormalities • Nutritional deficiencies • scurvy <p><u>Endocrine Disturbances</u></p> <ul style="list-style-type: none"> • Adrenocortical • Thyroid • Diabetes mellitus <p><u>Renal diseases</u></p> <ul style="list-style-type: none"> • Chronic Renal Failure • Dialysis patients • Renal transplant patients 	Dr. Saba Saleem
13	<ul style="list-style-type: none"> • Introduction • Impact of immunity on oral health • Hypersensitivity reactions • Angioedema • Oral reaction to drug therapy 	Dr. Aneela Amjad
	<ul style="list-style-type: none"> • Gastrointestinal disorders • Oral manifestation of systemic diseases • Immunity 	
14	<ul style="list-style-type: none"> • Definition and classification • Clinical features • Diagnosis and management <p><u>Neuropathic pain</u></p> <ul style="list-style-type: none"> • Trigeminal Neuralgia • Glossopharyngeal Neuralgia • Post herpetic Neuralgia • Headache • Migraine 	Dr. Aneela Amjad

	<ul style="list-style-type: none"> • Tension type Facial Paralysis • Multiple Sclerosis <p>Extrapyramidal Syndrome</p>	
	Orofacial Pain and Neurological Disturbances	
15	<ul style="list-style-type: none"> • Normal anatomy • Etiology of TMJ disorders • Examination and investigations • Myofacial pain and management • Internal derangement and management • Bruxism <p>Temporo-mandibular Joint Disorder</p>	Dr. Aneela Amjad
16	<ul style="list-style-type: none"> • Disorder of the teeth <ul style="list-style-type: none"> • Hypodontia • Variation in eruption and size of teeth • Different disorders of bone 	Dr. Aneela Amjad
17	<ul style="list-style-type: none"> • Vasovagal shock • Hyper and hypoglycaemic shock • Anaphylactic shock • Cardiac arrest • Respiratory arrest • Asthma • CVA • Addisonian Crises • Epilepsy • Hyperventilation • Acute chest pain 	Dr. Aneela Amjad
	Disorders of teeth and bone	
	Medical Emergencies	

LIST OF LECTURES AND LEARNING OBJECTIVES

Course Objectives:

By the end of the course taught, student should be able to:

1. Elicit, record and interpret an accurate history from patients of any age within the scope of Oral Medicine practice
2. Perform an appropriate clinical examination on patients of any age within the scope of Oral Medicine practice
3. Select and request (and in some instances undertake) appropriate and relevant investigations within the scope of Oral Medicine practice.
4. Interpret and where necessary seek clarification on the meaning of a range of laboratory and imaging investigation results to inform subsequent patient care
5. Undertake safe and effective prescription of drugs
6. Correlate health of the lips and oral soft tissues to disease states and use this insight to inform patient care
7. Investigate, diagnose and manage patients with oral soft tissue disease with hypersensitivity basis
8. Diagnose and manage viral, bacterial, fungal and other infections of the oral soft tissues
9. Describe the structure and function in health of salivary glands and saliva.
10. Correlate health of salivary gland tissues to disease states and use this insight to inform patient care.
11. Diagnose and appropriately manage patients presenting with orofacial pain of odontogenic and non-odontogenic origin.
12. Minimize risk of, recognize, assess and treat other acutely unwell adult and pediatric patients including simple faint, postoperative bleeding, hyperventilation, angina, myocardial infarction, acute asthma, anaphylaxis, diabetic emergencies, seizures and adrenal insufficiency.

ASSESSMENT PLAN

Following modes of assessment are planned for the class in the subject of Oral Medicine. This plan has been designed keeping in view the university curriculum and hopefully will facilitate the students in preparing for professional examinations in the subject.

1. Class and Clinical Test

- Tests consisting of MCQ's and SEQ's are conducted every month and sometimes twice a month to assess the students on the topics covered in that month.
- Sendup examination consisting of MCQ's, SEQ's and OSPE at the end of the session.
- At the end of each batch rotation, Clinical Evaluation Test is conducted. This test includes examination of patient (history & introduction, general physical examination, extra oral examination, intra oral examination), Table Viva with X-rays & OSCE.

2. Attendance

The attendance of the students is maintained separately for clinical and theory lectures and is mandatory for the students to have 75% attendance to appear in the test.

3. Term Clinical & Theory Evaluation Test

At the end of each term a clinical and theory evaluation is conducted. This clinical test includes examination of patient (history & introduction, general physical examination, extra oral examination, intra oral examination), Table Viva with X-rays & OSCE.

4. Clinical skill observation & performance as reflected on their clinical quota books

5. Mini-CEX (Mini-Clinical Examinations)

- Mini Clinical examinations are done and formative assessment is done at the end of clinical examination for the better learning of students, and also to identify the shortcomings in clinical examination.

6. Assignments:

- Small group discussion on different topics allotted to 3rd year BDS students. Individual Presentations on allotted topics.
- Posters related to different topics of Oral Medicine. 3-D Models of gross specimens.



STAFF CONTACTS

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01	Dr Aneela Amjad	aneelaamjad.aa@gmail.com
02	Dr Ayesha Khalid	drayeshak07@gmail.com
03	Dr. Saba Saleem	dr.sabasaleem@yahoo.com

REFERENCES & SUPPORTING MATERIAL

Strongly recommended:

- **Text book of Oral Medicine**

Author: Tyldesley

Oral and Maxillofacial Medicine

The basis of Diagnosis and treatment

Author: CRISPIAN SCULLY

Also recommended:

- **Essentials of Oral Pathology and Oral Medicine ;**

Author: R. A. Cawson, E. W. Odell

E-learning

Learning Resources:

1. Required Text (s)
Tyldesley's Oral Medicine
2. Essential References
 - Burket's Oral Medicine
Diagnosis and treatment
 - Cawsons Essentials of
Oral Pathology and Oral Medicine
 - Differential Diagnosis of Oral Lesions
By Wood and Goaz
3. Reference Material (Journals, Reports, etc)
4. Electronic Materials, Web Sites etc www.PubMed.com
5. Other learning material such as computer-based programs/CD, professional standards / regulations
6. Oral Medicine cases library/ college website