

ORAL & MAXILLOFAICAL SURGERY





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MESSAGE FROM PRINCIPAL

It is my pleasure to welcome you to Akhter Saeed Medical and Dental College in Final year BDS Professional. AMDC aims to improve the dental health of the people in the Pakistan through providing the students with excellent clinical training, supporting research and learning environment. Towards this goal the Department of Oral & Maxillofacial Surgery has prepared a course handbook for the benefit of the students.



I have read this handbook would like to assure you that the team of oral & Maxillofacial Surgery has done an excellent job in addressing all the questions a student will have at the start of the course. This handbook also contains all the schedule of lectures and practical classes. I would like to congratulate the team for coming up with this hand book.

I am happy to be the Principal of Akhter Saeed Dental College and I am sure that the assurance from the dedication of my energetic and benevolent faculty and staff prompts you to be skilled and knowledgeable in attaining high standards of education.

**Best
Wishes**



MESSAGE FROM HEAD OF DEPARTMENT

Dear Students,

I am very happy to be faculty member of this College and teaching the Oral & Maxillofacial during final year of BDS, I would like to introduce for you this handbook for Oral & Maxillofacial course that guides you throughout the year and finding the useful information that you need about the; course name, detailed course contents, detailed objectives for each class, the proper and modern methods and ways used for teaching in dental college, text books needed and evaluation systems. The topics covered in this course are highly relevant and have clinical training which will be of great help in your professional life. This subject is one of the very important foundation courses in dentistry and will help you to progress on to become a good dental surgeon. Hence, we the faculty of oral & Maxillofacial surgery suggest you to use this handbook to prepare yourself during the course and gain maximum benefit.

BEST WISHES & GOOD LUCK

DR. SABIR HUSSAIN





WHAT IS A STUDY GUIDE?

It is an aid to:

- Inform students how student learning program has been organized according to their learning objectives.
- Help students organize and manage their studies throughout the course.
- Guide students on assessment methods, rules and regulations

THE STUDY GUIDE:

- Communicates information on organization and management of the course. This will help the student to contact the right person in case of any difficulty.
- Defines the objectives which are expected to be achieved at the end of the course.
- Identifies the learning strategies such as lectures, small group teachings, clinical skills, demonstration, tutorial and case-based learning that will be implemented to achieve the course objectives.
- Provides a list of learning resources such as books, computer assisted learning programs, web- links, journals, for students to consult in order to maximize their learning.

STUDENT'S OVERALL PERFORMANCE:

- Includes information on the assessment methods that will be held to determine every student's

ACHIEVEMENT OF OBJECTIVES:



- Focuses on information pertaining to examination policy, rules and regulations.

APPROVAL FOR THE COURSE

This course has been reviewed, revised and approved by

- Pakistan Medical and Dental Council
- University of Health Sciences
- College Curriculum Committee



GENERAL COURSE INFORMATION

Course Title	ORAL & MAXILLOFACIAL SURGERY		
Course Components	Theory Marks:100	Clinical Exam Marks:100	
PRE-REQUISTES	General Anatomy	Oral Pathology	General Surgery
YEAR	Final Year BDS		



COURSE DESCRIPTION

Oral & Maxillofacial Surgery is one of the clinical subject in dentistry deals with the nature, identification, and management of diseases affecting the oral and maxillofacial regions (the mouth and jaw areas). The discipline of Oral and maxillofacial surgery links the training in clinical dentistry. It covers the diverse spectrum of disease processes affecting oral structures and tissues.

The mission of the specialty of oral and maxillofacial surgery deals with the causative factors, clinical and radiographic features, diseases, identification, effects of diseases affecting the oral and maxillofacial region. Understanding the oral and maxillofacial surgery is necessary for diagnosis and for the development of rational treatment and preventive programs as a dental professional.

One of the most important purposes of oral and maxillofacial surgery is to give the student the ability to correctly diagnose of oral lesions, develop differential diagnosis. There are more than 200 different types of diseases that affect the oral cavity. The department of oral and maxillofacial surgery has educational goals for the 3rd year BDS (pre-clinical) and final year BDS (clinical) students and provide quality education including the clinical detailed examination, radiographic presentation of oral diseases and training by creating, preservation, integration and utilization of knowledge.



COURSE OBJECTIVES



To produce graduates who have demonstrated that they have:

- Provide knowledge in oral Oral & Maxillofacial Surgery to undergraduate students.
- The skills and knowledge for a productive, competent, and compassionate Clinical practice.
- To familiarize the students with the foundational knowledge necessary for critical thinking, problem solving and diagnosis of oral diseases.
- The skills to clearly communicate their knowledge as needed.
- To familiarize students with multiple diagnostic techniques applicable in every condition.



ORAL SURGERY COURSE OUTLINE

The purpose of this course is for the students to understand and know how to apply and identify oral and maxillo-facial cases and how these diseases to be studied. The pattern of study should be as follow:

- Definition of the diseases
- Pathogenesis/etiology of the diseases
- Clinical Characteristics of the diseases:
 - Prevalence
 - Age
 - Gender
 - Site
 - Color
 - Texture
 - Chief Complaints
- Radiographic Features:
 - Radiolucent/Radio-opaque/Mixed
 - Borders of lesion
 - Effect on surrounding structure
 - Root resorption
 - Root divergence
 - Characteristic radiographic appearance.
- Diagnostic aids used in diagnosis.
- How to make differential diagnosis
- Prognosis of the lesion



- Surgical management the lesion
 - Pre-operative assessment
 - Peri operative management
 - Post-operative care



UHS COURSE CONTENTS



TABLE OF SPECIFICATION



SYLLABI & TABLE OF SPECIFICATIONS (TOS):

SYLLABUS & TABLE OF SPECIFICATIONS (TOS):



According to the syllabi & TOS of UHS, LHR, are as follows:

Sr.#	Contents	No. of MCQs	% MCQs	No. of SEQs	% SEQs	% distribution
1.	Oro-Facial Pain	1	2.2%	1	6.6%	4.4%
2.	Salivary Glands	5	11.1%	1	6.6%	8.8%
3.	Oncology	7	15.5%	1	6.6%	11.0%
4.	Local Anesthesia	11	24.4%	1	6.6%	15.5%
5.	Maxillary Antrum	2	4.4%	1	6.6%	5.5%
6.	Basic Principles of Surgery	1	2.2%	1	6.6%	4.4%
7.	Impactions	2	4.4%	1	6.6%	5.5%
8.	Spread of Oral Infections	2	4.4%	1	6.6%	5.5%
9.	Pre-Prosthetic Surgery	2	4.4%	1	6.6%	5.5%
10.	Jaw Cysts	1	2.2%	1	6.6%	4.4%
11.	TMJ Ankylosis	1	2.2%	1	6.6%	4.4%
12.	Exodontias	3	6.6%	1	6.6%	6.6%
13.	Oral and Maxillo-Facial Trauma	3	6.6%	1	6.6%	6.6%
14.	Management of Medically Compromised Patients	4	8.8%	-	-	4.4%
15.	Periapical Surgery	-	-	1	6.6%	3.3%
16.	Dental Implant	-	-	1	6.6%	3.3%





ACADEMIC CALENDAR



ACADEMIC CALENDER OF ORAL SURGERY FOR LECTURES

	Topic	Doctors name
Preoperative Health Status Evaluation		
	<p><u>Medical history</u></p> <ul style="list-style-type: none"> ○ Biographic data and chief complaint ○ HOPC, Medical history and physical examination <p><u>Management of patients with compromising medical conditions</u></p> <ul style="list-style-type: none"> ○ CVS, Pulmonary, renal hematologic problems ○ Hepatic, Endocrine and Neurologic disorders 	Dr. Waqar Ali
	<u>Prevention and management of medical emergencies</u>	
	<p><u>Prevention and management</u></p> <ul style="list-style-type: none"> ○ Continuing education, office staff training, access to help, emergency supplies and equipment <p><u>Medical emergencies</u></p> <ul style="list-style-type: none"> ○ Hypersensitivity reactions, chest discomfort 	Dr. Waqar ali
	<p><u>Medical emergencies</u></p> <ul style="list-style-type: none"> ○ Respiratory difficulty ; asthma, hyperventilation, COPD, Foreign body aspiration, Gastric contents aspiration ○ Altered consciousness ; vasovagal syncope, orthostatic hypotension, seizure , local anesthesia toxicity, Diabetes mellitus, Thyroid dysfunction, Adrenal insufficiency, Cerebrovascular compromise 	Dr. Waqar ali
	<u>Principles of surgery</u>	
	<ul style="list-style-type: none"> ○ Developing a surgical diagnosis ○ Basic necessities for surgery ○ Aseptic technique ○ Incisions ○ Flap Design ○ Hemostasis ○ Decontamination and debridement ○ Edema control ○ Wound healing 	Dr. Sabir Hussain
	<u>Wound repair</u>	
	<ul style="list-style-type: none"> ○ Causes of tissue damage ○ Wound repair ○ Surgical significance of wound healing ○ Factors that impair wound healing ○ Healing by primary, secondary and tertiary intention ○ 	Dr. Yasir ishaq



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	<ul style="list-style-type: none"> ○ Healing of extraction socket ○ Bone healing ○ Implant osseointegration ○ Facial neuropathology of traumatic origin 	Dr. Waqar ali
Infection control in surgical practice		
	<p>Communicable pathogenic organisms</p> <ul style="list-style-type: none"> ○ Bacteria ○ Viral organisms <p>Aseptic techniques</p> <ul style="list-style-type: none"> ○ Terminology ○ Concepts ○ Techniques of instrument sterilization ○ Surgical staff preparation ○ Postsurgical sepsis 	Dr. Waqar Ali
Instrumentation for basic oral surgery		
	<ul style="list-style-type: none"> ○ Incising tissue ○ Elevating the mucoperiosteum ○ Retracting the soft tissue ○ Grasping soft tissue ○ Controlling hemorrhages ○ Removing bone 	Dr. Sabir Hussain
Principles of routine exodontia		
	<p><u>MUCOSAL AND SKIN CONDITIONS</u></p> <ul style="list-style-type: none"> ○ Presurgical medical assessment ○ Pain and anxiety control ○ Indications for removal of teeth ○ Contraindications to removal of teeth 	Dr. Yasir Ishaq
	<p><u>Principles of more complex exodontia</u></p> <ul style="list-style-type: none"> ○ Clinical evaluation of teeth ○ Radiographic examination ○ Patient and surgeon preparation ○ Chair position for extractions ○ Mechanical principles involved in tooth extraction 	Dr. Sabir Hussain
	<ul style="list-style-type: none"> ○ Principles of elevator and forceps ○ Procedure for closed extraction ○ Specific techniques for the removal ○ Postextraction tooth socket 	Dr. Waqar Ali
Principles of management of impacted teeth		
	<ul style="list-style-type: none"> ○ Indications for removal of impacted teeth ○ Contraindications for removal of impacted teeth ○ Classification systems for mandibular third molar ○ Root morphology ○ Classification systems for maxillary third molar impactions ○ Surgical procedure 	Dr. Yasir Ishaq



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	<ul style="list-style-type: none"> ○ Perioperative patient management 	
	Postoperative patient management	
	<ul style="list-style-type: none"> ○ Control of postoperative hemorrhage ○ Control of postoperative sequelae ○ Melkersson-Rosenthal Syndrome ○ Postoperative followup ○ Operative note 	Dr. Sabir Hussain
	Prevention and management of extraction complications	
	<ul style="list-style-type: none"> ○ Prevention of complications ○ Soft tissue injuries ○ Problems with a tooth being extracted ○ Injuries to adjacent teeth ○ Injury to osseous structures 	Dr. Waqar Ali
	<ul style="list-style-type: none"> ○ Injuries to adjacent structures ○ Oroantral communications ○ Postoperative bleeding ○ Delayed healing and infection ○ Fractures of the mandible 	Dr. Yasir Ishaq
	Medicolegal considerations	
	<ul style="list-style-type: none"> ○ Legal concepts influencing liability ○ Risk reduction ○ Informed consent ○ Records and documentation ○ Electronic records ○ Referral 	Dr. Waqar Ali
	<ul style="list-style-type: none"> ○ Complications ○ Patient management problems ○ Areas of dental litigation ○ Telemedicine ○ Rules and regulation affecting practice 	Dr. Sabir Hussain
	Preprosthetic Surgery	
	<ul style="list-style-type: none"> ○ Objectives of preprosthetic surgery ○ Principles of patient evaluation ○ Recontouring of alveolar ridges ○ Tori removal ○ Soft tissue abnormality 	Dr. Yasir Ishaq
	<ul style="list-style-type: none"> ○ Immediate denture ○ Alveolar ridge preservation ○ Overdenture surgery 	



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	<ul style="list-style-type: none"> ○ Ridge extension surgery 	
	Implant treatment	
	<ul style="list-style-type: none"> ○ Evaluation ○ Treatment planning ○ Surgical technique ○ Surgical preparation ○ Prosthetic options 	Dr. Waqar Ali
	Implant treatment: Advanced concepts	
	<ul style="list-style-type: none"> ○ Immediate implant ○ Bone grafting ○ Augmentation 	Dr. Yasir Ishaq
	Principles of management and prevention of odontogenic infections	
	<ul style="list-style-type: none"> ○ Microbiology ○ Principle of treatment ○ Prevention 	Dr. Waqar Ali
	Complex odontogenic infections	
	<ul style="list-style-type: none"> ○ Deep fascial space infection ○ Osteomyelitis ○ Actinomycosis ○ Candidiasis 	Dr. Sabir Hussain
	Principles of endodontic surgery	
	<ul style="list-style-type: none"> ○ Drainage of an abscess ○ Periapical surgery ○ Corrective surgery 	Dr. Yaser Ishaq
	Radiotherapy and Chemotherapy	



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	<ul style="list-style-type: none"> ○ Management of patients undergoing radiation ○ Management of patients undergoing chemotherapy ○ Management of patients with (BOJ) 	Dr. Waqar Ali
	ODONTOGENIC DISEASE OF MAXILLARY SINUS	Dr. Sabir Hussain
	<ul style="list-style-type: none"> ○ Evaluation ○ Treatment ○ Complication 	Dr. Yaser Ishaq
	Salivary gland disorders	
	<ul style="list-style-type: none"> ○ Evaluation ○ Diagnosis ○ Infections ○ Neoplasms 	Dr. Waqar ali
	Differential Diagnosis and biopsy	
	<ul style="list-style-type: none"> ○ Examination and diagnostic modalities ○ General principles of biopsy ○ Intraosseous biopsy techniques 	Dr. Sabir hussain
	Surgical management of oral pathologic lesions	
	<ul style="list-style-type: none"> ○ Basic surgical goals ○ Surgical management of cysts ○ Principles of surgical management of tumors 	Dr. Yaser ishaq
	Soft tissue and dentoalveolar injuries	



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	<p>Soft tissue injury</p> <ul style="list-style-type: none"> ○ Evaluation ○ Diagnosis ○ Treatment 	Dr. Waqar Ali
	<p>Dentoalveolar injury</p> <p>Evaluation Diagnosis Treatment</p>	Dr. Sabir hussain
	<p>Facial Fractures</p>	
	<ul style="list-style-type: none"> ○ Evaluation ○ Classification ○ Treatment 	Dr. Yaser ishaq
	<p>Dentofacial deformity</p>	
	<ul style="list-style-type: none"> ○ Prevalence ○ Causes ○ Evaluation ○ Treatment 	Dr. Waqar Ali
	<p>Orofacial clefts</p>	
	<ul style="list-style-type: none"> ○ Causative factors ○ Treatment ○ Dental needs 	Dr. Yaser ishaq
	<p>Surgical reconstruction of the jaws</p>	
	<ul style="list-style-type: none"> ○ Bone reconstruction ○ Types of grafts ○ Mandibular reconstruction ○ Maxillofacial bone-grafting procedure 	Dr. Sabir Hussain
<p>TMJ Disorders</p>		
	<ul style="list-style-type: none"> ○ Evaluation ○ Classification ○ Treatment 	Dr. Yaser ishaq



ACADEMIC CALENDER OF ORAL SURGERY CLINICAL ROTATION

FINAL YEAR ROTATION TRAINING SCHEDULE

Days required	Dates	Topic	Demonstrator	Daily discussion Medical problem
		Perform simple extractions while attending the oral surgery clinics regularly during the designated period of rotational training; and record the details in quota book with verification by demonstrators done on the same day.	To be signed by demos for each case	
Clinical duty		Observe a minimum of three minor oral surgical procedures as 05 st or 2 nd assistant with comprehensive documentation of diagnosis, classification with diagrams, difficulty level establishment, treatment plan, procedure, post-op medications and instructions.	To be signed by demos for each case	
Clinical cases		Perform uncommon LA techniques like 2 posterior superior alveolar nerve block, 2 Gow Gates mandibular nerve block and 2 Vazirani-Akinosi Closed Mouth Mandibular Nerve Block.		
		Attend a minimum of 2 days of oral & maxillofacial surgery operation theatre sessions and submit reflective reports of the experience.		Write description of OT cases in your quota book.
Exo Clinical assessment		(Patient assessment, local anesthesia, Clinical methods, Medical emergencies, Exodontia)		
		Positioning for LA/ LA techniques	Dr. Sabir Hussain	ASA classification
		Positioning for extraction/ Choice of instruments (exodontias instruments)	Dr. Waqar Ali	Hypertension
		Forcep & elevator usage (Also to be helped with use of instruments during extraction – All demos)	Dr. Yasir Ishaq	IHD
		Perform suturing exercise on foam.		MI



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			Dr. Muhammad Ahmed	
		Traumatology a. Arch bar application b. Eyelet application c. IMF	Dr. Sohail Yasin	Arrhythmia Cardiac failure
Assignment		Perform sterilization of three packs of instruments including cleaning, packing, loading & unloading an autoclave, verifying sterilization and storing. Written Assignment + performance	Dr. Sabir Hussain	
Assignment		Enlist disinfectants used and their usage. Demonstrate dental unit preparation for patient treatment. Follow personal protection for cross infection control. Perform a dummy exercise for needle stick injury and writing the protocol.	Dr. Waqar Ali	
		Demonstrate how to gown & glove for surgery.	Dr. Yasir Ishaq	Pace maker
		Identify minor oral surgery instruments and describe their usage.	Dr. Muhammad Ahmed	Congenital heart disease
Assignment Hand written		Enlist different type of sutures and describing usage for each type. Enlist materials/drugs used for hemorrhage control, medical emergency management, dressing materials and agents used in surgery.	Dr. Sohail Yasin	
		Clinical Methods a. History taking b. Medical emergency assessment.	Dr. Sabir Hussain	Diabetes
		Identify major oral surgery instruments and describing their usage.	Dr. Waqar Ali	Thyroid disease
Assignment		Enlist possible exodontias complications with management.	Dr. Yasir Ishaq	
05		Clinical Methods a. Cranial nerves assessment.		Anemia



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			Dr. Muhammad Ahmed	
		Clinical Methods a. Salivary glands assessment. b. Neck node assessment	Dr. Sohail Yasin	Asthama Stroke
		Clinical Methods Temporomandibular system assessment.	Dr. Sabir Hussain	Epilepsy
05		Clinical Methods a. Zygomatic fracture assessment. b. Maxillary fracture assessment.	Dr. Waqar Ali	Liver disease
		Clinical Methods c. Mandibular fracture assessment.	Dr. Yasir Ishaq	Cancer patient
		Clinical Methods Investigations/interpretation – Hematological, Biochemical, LFT, RFT, Coag	Dr. Muhammad Ahmed	Pregnant patient
		Clinical Methods a. Patient Referral b. Clinical notes keeping c. Prescription writing	Dr. Sohail Yasin	Pediatric patient Geriatric patient
		Emergency Equipment	Dr. Sabir Hussain	Bleeding disorder
		Emergency Medications	Dr. Waqar Ali	Steroid patient
		Emergency management including CPR	Dr. Yasir Ishaq	Renal patient
		Radiology ➤ Mandibular series ➤ Midface series	Dr. Muhammad Ahmed	
		Radiology ❖ Radiolucent lesions ❖ Radioopaque lesions ❖ Mixed lesions	Dr. Sohail Yasin	Transplant patient



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		<p>Surgical Anatomy & Access</p> <ul style="list-style-type: none"> a. Zygoma. b. Orbit. c. Midface. d. TMJ. e. Mandible. f. Salivary glands. g. Tongue/floor of mouth. 	Dr. Sabir Hussain	Endocarditis
05		<p>Traumatology</p> <ul style="list-style-type: none"> a. Suspension wires b. Principles of IMF 	Dr. Waqar Ali	
		<p>Traumatology</p> <p style="text-align: center;">Dentoalveolar fracture management</p>	Dr. Yasir Ishaq	
		How to become good professionals	Dr. Muhammad Ahmed	
		How to appear in Clinical Exam Of Oral Surgery	Dr. Waqar Ali	
		Submission of Suturing exercise and IMF	Dr. Sohail Yasin	
Final Clinical assessment				



**ORAL SURGRY LECTURES WITH
LEARNING OUTCOME**



Oral & Maxillofacial Surgery

TOPICS	OUTCOME
<p>Principle of Oral & Maxillofacial Surgery</p> <p>a) Examination & Diagnosis</p> <p>b) Asepsis</p>	<p>Student should be able to.</p> <p>Perform general & local examination of patient.</p> <p>ii. Take complete history.</p> <p>iii. Interpretate the radiological, Bacteriological, pathological & histological. investigations.</p> <p>iv. Establish the diagnosis</p> <p>Student should be able to.</p> <p>i. Define asepsis</p> <p>ii. Describe the preventive measures of controlling infection during surgery.</p> <p>iii. Describe the various methods of sterilization & disinfection of surgical instruments and setups sterilization of Dental Operating room.</p>
<p>2. Wounds & injuries of the soft tissues of the head & neck region.</p>	<p>Student should be able to</p> <p>Classify the wounds</p> <p>ii. Describe the mechanism of wound healing, bone healing.</p> <p>iii. Describe the principles of wounds & burn treatment</p>
<p>3. Infections;</p> <p>a) Odontogenic</p> <p>b) Non-odontogenic</p>	<p>Student should be able to</p> <p>Define odontogenic infection principle of management of anaerobic infection mixed infection, abscess, alveolar abscess, space infections, cellulitis, Ludwig's angina, cavernous sinus thrombosis, osteomyelitis.</p> <p>ii. Describe the anatomical boundary of the facial planes.</p> <p>iii. Differentiate the bacteriological involvement in infections.</p> <p>iv. Diagnose & manage the odontogenic infections.</p> <p>Student should be able to</p> <p>Define osteomyelitis, Acute and chronic osteomyelitis, actinomycosis, osteoradionecrosis, tuberculoid osteomyelitis, syphilitic osteomyelitis, Non-specific chronic osteomyelitis.</p>



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<p>Tumours of the Oral Cavity</p> <p>a) Odontogenic Tumour</p> <p>b) Non odontogenic</p>	<p>Student should be able to:</p> <p>Define & classify the odontogenic tumour.</p> <p>ii. Describe the clinical features, investigations, histopathology & management of odontogenic tumours.</p> <p>Student should be able to:</p> <p>Define & classify the odontogenic tumour.</p> <p>ii. Describe the clinical features, investigations, histopathology & management of non odontogenic tumours.</p>
<p>8. Facial injuries</p>	<p>Student should be able to:</p> <p>Describe the etiology, classification of jaw fractures.</p> <p>ii. Examine the different jaw fractures.</p> <p>iii. Advise the necessary investigations for diagnosis.</p> <p>iv. Describe the clinical features & management of mandibular & maxillary fractures of the middle third of the facial skeleton.</p>
<p>9. Oral premalignant & malignant lesions.</p>	<p>Student should be able to:</p> <p>Define & classify the premalignant lesions.</p> <p>ii. Describe the aetiological factors, clinical features, histopathology & management of the premalignant lesions.</p> <p>iii. Describe the aetiological factors & classification of the malignant lesions of oral cavity.</p> <p>iv. Describe the clinical features, histopathology & TNM classifications of oral malignancy.</p> <p>v. Describe the principles of management, prognosis & prevention of oral malignancy.</p>
<p>10. Salivary gland disorders</p>	<p>Student should be able to:</p> <p>Describe the inflammatory, obstructive & functional disorders of salivary glands.</p> <p>ii. Describe the clinical features, histopathology & management of the tumors & cysts of salivary glands</p>



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<p>11. Temporomandibular joint disorders (TMJ)</p>	<p>Student should be able to: i. Describe the anatomy & physiology of TMJ. ii. Describe the Etiology, clinical features of various TMJ disorders. iii. Describe the diagnostic procedures & management of TMJ disorders, particularly ankylosis, dislocation & pain dysfunction disorders</p>
<p>12. Diseases of the Maxillary sinus</p>	<p>Student should be able to. Describe common odontogenic & nonodontogenic problems of maxillary sinus. ii. Oral antral fistula, Nasal antrostomy, Caldwell operation</p>
<p>13. Neurological disorders of the maxillofacial region</p>	<p>Student should be able to. Describe the etiology, clinical features & management of common neurological disorders of maxillofacial region.</p>
<p>14. Pre prosthetic surgery</p>	<p>Student should be able to. Describe the basic knowledge of frenectomy, alveoloplasty, ridge augmentation, deepening of the alveolar sulcus. ii. Describe the basic principles, types & surgical procedure of the dental implants.</p>
<p>15. Cleft lip & palate</p>	<p>Student should be able to. Describe the embryology, etiology & classification of cleft lip & palate.</p>



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<p>16. Dento facial Deformity</p>	<p>Student should be able to. Describe the basic principles of the dentofacial deformities & its management.</p>
<p>17. Infectious diseases related to Oral & Maxillofacial surgery.</p>	<p>Student should be able to. Narrate common infectious diseases like tuberculosis, syphilis, hepatitis, AIDS etc.</p>
<p>18) Patient evaluation</p>	<p>Student will be able to perform Physical evaluation and takes preliminary history & follow up history Able to take history of any metabolic disease such as Diabetic, Hypertension Cardiovascular disease, Allergic condition Students will be able to perform physical examination correctly & Basic concept of CPR</p>
<p>19) Local Anesthesia</p>	<p>At the end of the session student will be able to i) Define and classify local Anesthesia ii) List the Indications, contraindications, complications of L.A. and the treatment of complications of L.A. iii) To Perform the technique of L.A. and technique of nerve infiltration and nerve block. iv) Demonstrate the technique of local Anesthesia for Maxillary and mandibular tissue and extra oral nerve block. v) Dose of local anesthesia. vi) Comparison of long & short acting L.A.</p>



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<p>20) Sedation and L.A. in dentistry</p> <p>a) Complication from sedation and local anesthesia.</p> <p>b) Local Complications Trauma of injection systemic complications.</p> <p>Prophylaxis, treatment and Management for Toxic reactions</p>	<p>At the end of the session the student able to</p> <ul style="list-style-type: none"> <input type="checkbox"/> Discuss indication and purpose of sedation and L.A. in dentistry. <input type="checkbox"/> Enumerate the ideal drugs for sedation and can choose the drug for sedation. <input type="checkbox"/> Perform the methods of administering predicament or sedative drugs. <input type="checkbox"/> Will to able to prepare the Patient <p>Student able to describe the complications of local anesthetic-Local complications and systemic complications</p> <p>At the end of session, the student will be able to describe prophylaxis of the patient.</p> <p>Student will be able to do treatment and management of the reactions Post-Operative medication.</p>
<p>21) Concept of general anesthesia</p> <p>Role of general anesthesia in Dentistry Preoperative Preparation for in-patient and out patient general anesthesia Indications for general anesthesia. Types and Technique of general anesthesia Supplementation of general anesthesia. Preoperative medication</p>	<p>At the end of the course the students should be able to:</p> <ol style="list-style-type: none"> 1. Describe the concepts of general anesthesia 2. Perform pre anesthetic evaluation of the patients 3. Enumerate complications & indications of general anesthesia. 4. Will be able to demonstrate the technique of general anesthesia. 5. Will be able to describe the supplementation of the general anesthesia. 6. Able to describe the pre-operative medication. 7. Know the complications of G.A



STUDENT ADDITIONAL PRIVATE STUDY

HOURS PER WEEK & STUDENT SUPPORT:

In Additional to the lectures in the college hours the student is expected to put in 5 hours of private study/learning hours per week. (This is an average for the course).

The students are encouraged to interact with the tutors of the course for any additional help required during the course. The staff members are instructed to inform the students regarding the office hours when they can approach the faculty for their help.

After each class the faculty member allocates a few minutes to clear the doubts of the students if needed.

Group of ten students are allotted to head of department, who is their mentor, the students can even approach their respective mentors if they have any additional problems with the subject.



TEACHING AND LEARNING RESOURCES

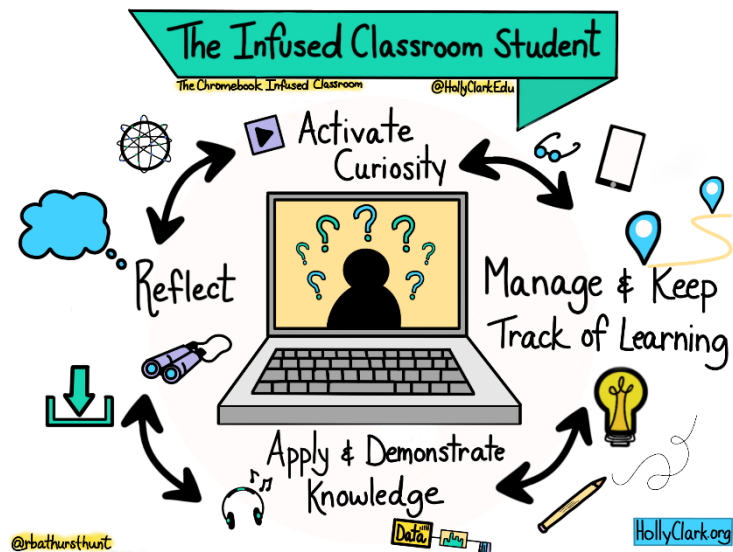


TEACHING AND LEARNING RESOURCES:

- Power point presentations
- Short Cases
- Tell and show
- Skill assignments
- Discussion on last year UQS
- Discussion of important questions during class would also aid in developing cognitive skills.
- Design assignments in such a way that the students would have to correlate the various topics and information given to them.
- The students will be asked oral questions after every question, group discussions, group tasks will be designed so that the students learn to interact with their batch mates.



STUDENTS ROLES



STUDENTS ROLES



ROLE IN CLASS-ROOM

- Listen carefully to what a professor or other students are saying
- Mark or make notes of the points you wish to **answer** or **discuss** or **question**.
- Introduce your contribution with a quick summary of the discussion or point... "As I understand it..."
 - Be certain it is clear to the class and professor when you are summarizing and when you are giving your opinion
 - After you have spoken, it is appropriate to ask for feedback. if others understand what you have said if others agree/disagree with you. Demonstrate openness and dialogue: you should score points with your professor!

TAKING NOTES IN CLASS ROOM

- **You can develop your own note taking system and study strategy** with the five "R's" of note-taking:
 - **Record * Reduce * Recite * Reflect * Review**
- **Get a good loose-leaf notebook:**
This will enable you to add, delete, and re-sequence pages and materials.
- Begin each session's notes with a cover page for later summaries and test preparation.

COMPARISONS OF DISEASES

- **Use comparison charts to highlight the differences in key concepts.**
- You could also make use of comparison charts when you're studying mimicking lesions, setting up different characters in a novel in different columns, with attributes or other information in each rows.

STUDY MULTIPLE STUDY GUIDES

- Create a study guide in a combination of formats, using the main concepts and supporting information you pulled from your study materials. You may draft the guides on paper, by hand, or use internet.



TAKING NOTES IN CLASSROOM LECTURES

You can develop your own note taking system and study strategy

with the five "R's" of note-taking:

Record * Reduce * Recite * Reflect * Review

Get a good loose-leaf notebook:

This will enable you to add, delete, and re-sequence pages and materials.

Begin each session's notes with a cover page for later summaries and test preparation.



A TYPICAL NOTES PAGE:

<ul style="list-style-type: none"> ▪ Heading: ▪ Date: ▪ Subject: 	<ul style="list-style-type: none"> ▪ Lecture taught ▪ Teacher name ▪ Fellow student contribution
<p>2. Reduce:</p> <p><i>After the class</i> <i>Summarize:</i></p> <ul style="list-style-type: none"> ▪ Key/cue words ▪ Questions ▪ Link to information from your textbook, Websites or other sources that helps you understand or study the material 	<p><i>Record/take notes in class here:</i></p> <ul style="list-style-type: none"> ▪ Identify the main points ▪ Capture the main ideas ▪ Use outlines or concept maps ▪ Use words and pictures and graphs or whatever it takes to get the information down quickly. ▪ Avoid quoting unless it is very necessary.



PLANNING YOUR DAILY SCHEDULE



MAKING YOUR DAILY SCHEDULE

Review how you spend your time in order to help you prioritize your goals and objectives.

Determine how you spend a "typical" 24-hour day:

Enter the hours or parts of hours for each activity, the total is 24 hours!

Don't be discouraged if you have to go back and change time spent on each activity.

<i>Classes:</i>	<i>Studying:</i>	<i>Family commitments:</i>
<i>Sleeping:</i>	<i>Personal care/ grooming:</i>	<i>Meal preparation/ eating/clean-up:</i>
<i>Exercise/sports:</i>	<i>Socializing/entertainment (with friends):</i>	<i>Relaxing/TV/ video games, etc. (alone):</i>
<i>Transportation (school, work, etc):</i>	<i>Work/internship:</i>	<i>Other:</i>



RECOMMENDED BOOKS



1. Contemporary Oral and Maxillofacial Surgery

Authors: Patterson, Ellis & Tucker.

Publisher: Mosby

Edition: 6th

2. Killey's Fractures of Middle third of the facial skeleton

3. Killey's Fracture of the Mandible

4. Medical problems in Dentistry by Scully & Cawson

5. Local Anaesthesia in Dentistry G.L. Howe, Whitehead



FACILITIES PROVIDED

LECTURES:

- ❖ A class room with a seating capacity of 70 students, equipped with a projector and white board.

CLINICS:

- ❖ A well-equipped two clinical department of oral & maxillofacial surgery to trained. One in Farooq hospital, westwood & other one is in dental hospital, college premise



YEARLY PLANNER OF TEST SCHEDULE



ASSESSMENT CRITERIA



STUDENT ASSESSMENT CRITERIA

SEMESTER EXAMINATION MARKS	INTERNAL EVALUATION (Class tests + Journals + Assignments + Modular Exam	TOTAL THEORY
90%	10%	100%

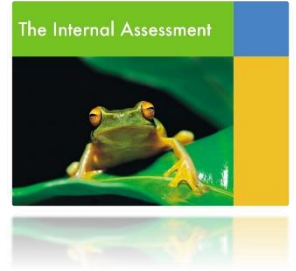
INTERNAL ASSESSMENT

The internal assessment will be based on the overall performance in the following:

- 33% lectures and clinical attendance assessments
- 33% test records & patient quota
- 33% sendup results
- If the student score 80% in overall internal assessment the he/she will be giving complete 10% of internal assessment.
- Maintaining a record of all tests and attendance of each student in the form of specially designed personal proforma.



INTERNAL ASSESSMENT OF 3RD YEAR



The internal assessment of 3rd year consist of the following pattern:

SR.NO	MARKS DISTRIBUTION
CLASS TEST	0.25
MAJOR TEST	1
OSPE	0.5
VIVAS	1

INTERNAL ASSESSMENT OF FINAL YEAR

The internal assessment of 4th year consist of the following pattern:

SR.NO	MARKS DISTRIBUTION
CLASS TEST	0.25
MAJOR TEST	1.5
OSPE	0.5
VIVAS	1
REVIEW	2
ASSIGNMENTS	1
TERMS	2 marks each term
SENDUP	4 marks

