

Oral and Maxillofacial Surgery

Institute of Dentistry, CMH Lahore Medical College

Study Guide 2022

Final Year BDS

Introduction to Oral and Maxillofacial Surgery

Oral and Maxillofacial Surgery (OMFS) is the specialty of dentistry that encompasses the art and science of the diagnosis and surgical management of diseases, injuries, and defects of the oral and maxillofacial region.

Curricular map of Oral and Maxillofacial Surgery



Resources

- Teaching resources
- Supporting staff
- Infrastructure resources

Teaching resources:

Sr. #.	Faculty Name	Designation as per PM & DC certificate	Qualification
1	Prof. Dr. Asad Aizaz Chatha	Professor & HOD	MDS, FCPS, FFDRCSI, CMT.
2	Dr. Shoaib Younus	Associate professor	BDS, FCPS
3	Brig. Shafi Ullah Khan	Assistant Professor	BDS, FCPS
4	Lt. Col. Khalid Mahmood	Senior Registrar	BDS, FCPS
3	Dr. Hafiz M. Jawaad Manzoor	Senior Registrar	BDS, FCPS
4	Dr. Ali Shahid	Demonstrator	BDS
5	Dr. Muhammad Azhar Imran	Demonstrator	BDS
6	Dr. Samah Akhtar	Demonstrator	BDS
7	Dr. Aminah Ikram Ullah	Demonstrator	BDS

Supporting staff

	Oral & Maxillofac	ial Surgery
1	Waris Ali Tahir	Male Nurse
2	Mazhar Iqbal	Male Nurse
3	Syeda Samina	Staff Nurse
4	Bushra John	Staff Nurse
5	Nabila Nazeer	Staff Nurse
6	Romaira Mushtaq	Staff Nurse
7	Abid Rafique	Computer Operator
8	Ahsan Nadeem	Dental Surgery Assistant
9	Nabeela Liaqat	Dental Surgery Assistant
10	Hafiz Ali Asghar Faraz	Dental Surgery Assistant
11	Muhammad Adeel	Dental Surgery Assistant
12	Sadia Israr	Dental Surgery Assistant
13	Muhammad Nawaz	Dental Surgery Assistant
14	Tayyab Ramzan	Ward Boy
15	Usman Ali Zahid	Ward Boy
16	Muddasam Hussain	Ward Boy
17	Muhammad Zeeshan	Peon

Infrastructure resources

Sr. #.	Infrastructure Resources	Quantity
	Operating Halls	
1	(For simple exodontia and minor oral	• 1
	surgery)	
	Dental Units	
2	• OPD	• 3
2	• exodontia	• 11
	 minor oral surgery 	• 4
3	Dental Stools	• 20
		- 20
4	Skills area	1
5	Reception	1
6	Mini Library/Resource room	1
7	Dental stores	1
8	Operation theaters	2
9	Ward	33 beds

TEACHING AND LEARNING STRATEGIES

Multiple educational methods will be used comprising of self-study, interactive lectures, group discussions, practical, and manual dexterity skill sessions.

(i) Methods for achieving cognitive objectives

- Interactive lectures using audio visual aids on power point presentation
- Group discussions in form of large group and small group
- Hands on demonstrations
- Tutorials
- Collaborative learning
- Self-study and reading from learning resources

(ii) Methods for achieving psychomotor objectives

- Diagnosis and treatment planning
- Patient handling
- Clinical skills

(iii) Methods for achieving affective objectives

- Interaction with peers, group members, teachers, support staff etc.
- Group discussions (small and large)
- Oral presentations by students

Learning Methodologies

The following teaching / learning methods are used to promote better understanding:

- Interactive lectures
- clinic visits
- Small group discussion
- Case- based learning
- Practical
- Skills session
- E- learning
- Self- directed study

Interactive Lectures

In large group, the lecturer introduces a topic or common clinical conditions and explain the underlying phenomena through questions, pictures, videos of patient's interview, exercises, etc. students are actively involved in the learning process.

Clinical Visits:

In small groups, students observe patients with signs and symptoms in clinical settings. This helps students to relate knowledge of basic and clinical of the relevant module.

Small Group Discussion:

This format helps students to clarify concepts acquire skills or attitude. Sessions are structured with the help of specific exercise such as patient case, interview or discussion topics. Students exchange opinion and apply knowledge gained from lectures, tutorials and self-study. The facilitator role is to ask probing questions, summarize, or rephrase to help clarity concepts.

Case- based learning:

A small group discussion format where learning is focused around a series of questions based on a clinical scenario. Student's discuss and answer the questions applying relevant knowledge gained in clinical and basic health sciences during the module.

Practical:

Basic science practical related to anatomy, biochemistry, pathology, pharmacology and physiology are scheduled for student learning.

Skills session:

Skills relevant to respective module are observed and practiced.

Self-directed study:

Students assume responsibilities of their own learning through individual study, sharing and discussing with peers, seeking information from learning resource center, teachers and resource persons within and outside the college. Students can utilize the time within the collage scheduled hours of self-study.

E- Learning:

E- Learning is a strategy by which learning occurs through the utilization of electronic media, typically the internet. The basic aspect of medical professionalism and ethic will be addressed through an e-learning course.

CURRICULUM IMPLEMENTATION

Curriculum implementation refers to putting into practice the official document including course content, objectives, learning and teaching strategies. Implementation process helps the learner to achieve knowledge, skills and attitudes required of the learning tasks. Learners are a pertinent component of the implementation process. Implementation occurs when the learner achieves the intended learning experiences, knowledge, ideas, skills and attitudes which are aimed to make the learner an effective part of the society. Curriculum implementation also refers to the stage at which curriculum is put into effect. There has to be an implementing agent as well. Teacher is an important part of this process and implementation occurs when the teacher selects and utilizes various components of the curriculum. Implementation occurs when the teacher's formulated course content, teacher's personality and teaching and learning environment interact with the learners. Therefore, curriculum implementation is how the officially planned course of study is translated and reflected by the teacher into schemes of work, lesson plans, syllabus and resources are effectively transferred to the learners. Curriculum implementation can be affected by certain factors such as teachers, learners, learning environment, resource materials and facilities, culture and ideology, instructional supervision and assessments.

Personnel involved in teaching and facilitation

Lectures delivery by:

- Prof. Dr. Asad Aizaz Chatha (Professor & HOD)
- Dr. Shoaib Younus (Associate Professor)
- Dr. Hafiz M. Jawaad Manzoor (Senior Registrar)

Registrar for clinics/practical and small group discussion sessions:

- Dr. Ali Shahid
- Dr. Muhammad Azhar Imran
- Dr. Samah Akhtar
- Dr. Aminah Ikram Ullah

Support staff:

- Nurse: 6
- Ward Boy: 3
- Dental assistant: 6
- Peon: 1

Computer Assistant: 1 as nominated by the college

Time Frame

Course duration:

- Lectures: 36 weeks
- Clinical rotations: 10 weeks per rotation

Lectures:

- Tuesday (8:00 to 8:50 am)
- Thursday (8:50 to 9:40 am)

Practical/ clinical visits:

- Monday Thursday (10:00 to 3:00 pm)
- Friday (10:00 to 1:00 pm)

Evening rotations:

• Thursday (6:00 to 8:00 pm) during 10 weeks rotation

Self-study:

• 10 hours during the course

<u>Table of specification for teaching, learning objectives and</u> <u>assessment</u>

At the end of the year students will be able to know:

	Lear				Assessment				
Topics and objectives	Faculty	ning doma in	Learning strategy	Clinical	Viva	OSPE	NUMS MCQs	NUMS SEQs	Weig htage
1.Medically compromised patients an	d medical e	mergenc	ies in dental			v	2	1 2	100/
Time allocation: Lecture: 4			Λ	3	1-2	1070			
Introduction to Oral and Maxillofacial Surgery			Interactive lecture						
Pre and peri operative patient evaluation Evaluate a dental patient by: 1. Medical history 2. Physical examination		СРА	Interactive lecture/case -based learning/ patient interaction						
Manage a dental patient with problems of the following systems: 1. CVS 2. Pulmonary 3. Renal 4. Hepatic 5. Hematological 6. Neurological	Prof. Dr. Asad Aizaz Chatha	СРА	Interactive lecture/case -based learning/ patient interaction/ SGD						
Manage pregnant and postpartum dental patient		СРА	Interactive lecture/case -based learning/ patient interaction/ SGD						
Prevent Medical emergencies in dental patients		СРА	Interactive lecture/case -based learning/ patient interaction/ SGD						
Prepare oneself and surgery staff to manage the following: 1. Hypersensitivity reactions 2. Chest discomfort 3. Respiratory difficulty		С	Interactive lecture/case -based learning						

4. Altered consciousness								
2.EXODONTIA INCLUDING	LOCAL A	NESTHI	ESIA		v	3	1 2	100/
Time allocation: Lecture: 7	hrs Clinic	al: 27 h	rs		Λ	3	1-2	1070
EXODONTIA								
State the protocol to manage anxious patients before and during complicated exodontia.	Prof. Dr. Asad Aizaz Chatha	С	Interactive lecture/case -based learning					
Manage patient anxiety using anxiety reduction protocol with P.O medication		СРА	Interactive lecture/case -based learning/ patient interaction/ SGD					
Enlist indications for removal of teeth		С	Interactive lecture/case -based learning					
 Evaluate a patient for exodontia in the following sequence 1. Welcome and introduce 2. Elicit relevant medical and dental history 3. Set up the instrument tray 4. Perform examination 5. Order and interpret relevant investigations 6. Arrive at a diagnosis 		СРА	Interactive lecture/case -based learning/ patient interaction					
Enlist indication and contra indications of removal of teeth		С	Interactive lecture/case -based learning					
Formulate and finalize a treatment plan		С	Interactive lecture/case -based learning					
Use appropriate operator and patient positions, instruments and techniques to perform an extraction i.e gingival detachment, forceps application, tooth luxation and delivery, jaw support and retraction (non-dominant hand)		СР	Interactive lecture/case -based learning/pr actical					
use elevators and forceps according to general and mechanical principles		СР	Interactive lecture/case -based learning/ practical					
prevent and manage intra and post- operative complications of exodontia		CPA	Interactive lecture/case					

			based				
			-Daseu				
			learning/				
			patient				
			interaction/				
			SGD				
take post-extraction care of the socket		CPA	Interactive				
			lecture/case				
			-based				
			learning/				
			patient				
			interaction/				
			SGD				
give post extraction instructions to a	-	CDA	Interactive				
give post-extraction instructions to a		CFA					
patient.			lecture/case				
			-based				
			learning/				
			patient				
			interaction/				
			SGD				
COMPLICATED EXODONTIA							
Describe the principles of flap design		С	Interactive				
			lecture/case				
			-based				
			learning				
Enlist types of mucoperioteal flaps	-	C	Interactive				
Emist types of mucoperiotear maps		C	lacture				
			lecture/case				
			-based				
			learning				
Demonstrate incisions for different	Prof. Dr.	СР	Interactive				
types of mucoperiosteal flap in the oral	Asad		lecture/case				
cavity on models	Aizaz		-based				
	Chatha		learning/				
			practical				
Describe and apply the principles of		СР	Interactive				
suturing			lecture/case				
8			-based				
			learning/				
			practical				
Enlist indications for onen extractions		C	Interactive				
Emist indications for open extractions		C	lacture / 2000				
			lecture/case				
			-based				
	4		learning				
Describe the technique used for open		C	Interactive				
extraction of single and multi-rooted			lecture/case				
teeth			-based				
			learning				
Describe the procedure to remove		C	Interactive				
fractured root fragments/tips			lecture/case				
			-based				
			learning				
	I	1	1.0000000	1	 	 1	l

State the justification for leaving root		С	Interactive			
fragments in the socket			lecture/case			
			-based			
			learning			
Plan the sequence of multiple		С	Interactive			
extractions		Ũ	lecture/case			
			-based			
			learning			
MANAGEMENT OF IMPACTED						
ТЕЕТН	Prof. Dr.					
Define an impacted tooth	Asad	С	Interactive			
	Aizaz	-	lecture/case			
	Chatha		-based			
			learning			
Enlist common impacted teeth and		С	Interactive			
their cause of impaction		_	lecture/case			
			-based			
			learning			
Enlist indication and contraindications		С	Interactive			
for removal of impacted teeth		_	lecture/case			
			-based			
			learning			
Evaluate a patient with an impacted		СРА	Interactive			
tooth by: history, clinical and			lecture/case			
radiographic examination.			-based			
			learning/			
			patient			
			interaction			
Classify impacted teeth & determine		С	Interactive			
the level of difficulty for extraction.		_	lecture/case			
,			-based			
			learning			
Describe the management of a patient		С	Interactive			
with an impacted third molar			lecture/case			
1			-based			
			learning			
list and select appropriate treatment	1	С	Interactive			
option for a patient with an impacted			lecture/case			
canine			-based			
			learning			
describe the step-wise surgical		С	Interactive			
procedure for the removal of impacted			lecture/case			
teeth			-based			
			learning			
			-			
take consent and enlist the potential		С	Interactive			
risks and complications for the		-	lecture/case			
removal of impacted			-based			
L T			learning			

identify and use instruments for minor oral surgery		C	Interactive lecture/case			
			-based learning			
POST OPERATIVE CARE, PREVENTION AND MANAGEMENT OF COMPLCATIONS IN EXODONTIA						
Describe the post-operative anxiety reduction measures that can be taken for an exodontia patient	Prof. Dr. Asad Aizaz	С	Interactive lecture/case -based learning			
Describe the management of post-op pain and discomfort of an exodontia patient	Chatha	С	Interactive lecture/case -based learning			
Manage a patient with post extraction hemorrhage		СРА	Interactive lecture/case -based learning/ patient interaction/ SGD			
Follow up on an exodontia patient		СРА	Interactive lecture/case -based learning/ patient interaction/ SGD			
Maintain appropriate patient record (will also be discussed in medicolegal considerations)		СР	Interactive lecture/case -based learning/ clinics			
Discuss the need for prevention of complications		С	Interactive lecture/case -based learning			
 Manage the following complications during and after exodontia: Soft tissue injuries Root fracture/displacement Injury to adjacent teeth Injury to adjacent osseous structures Oro-antral communications Postoperative bleeding Delayed healing and infection 		СРА	Interactive lecture/case -based learning/ patient interaction/ SGD			

• Fracture of the mandible						
LOCAL ANESTHESIA						
Relate the nerve supply of the face & oral cavity with the following clinical applications: local anesthesia of cranial nerves V_2 , V_3	Dr. Shoaib	С	Interactive lecture/case -based learning			
Describe the pharmacological mechanism of action of contents of local anesthesia (LA).	Younus	С	Interactive lecture/case -based learning			
Calculate the safe dose for Lignocaine and Bupivacaine.		С	Interactive lecture/case -based learning			
Select the Armamentarium required for Local Anesthesia & Load LA Syringe Aseptically.		СР	Interactive lecture/case -based learning			
 Describe the following local anesthetic injection (infiltration) techniques: Supra-Periosteal. Sub-Mucosal. Sub-Periosteal. Intra-Osseous 		С	Interactive lecture/case -based learning			
 Describe the following LA techniques of Mandibular Anesthesia: Inferior Alveolar Nerve Block (IANB). Mental Nerve Block. Lingual Nerve Block. Long Buccal Nerve Block. Gow-Gates Block. Vazirani Akinosi Block 		С	Interactive lecture/case -based learning			
 Describe the following LA techniques of Maxillary Anesthesia: Anterior superior nerve block Middle superior nerve block Posterior superior nerve block Infra-orbital nerve block Greater palatine nerve block Maxillary nerve block 		С	Interactive lecture/case -based learning			
Administer LA infiltration: IANB, lingual nerve block, long buccal nerve block, nasopalatine nerve block, greater palatine nerve block		CPA	Interactive lecture/case -based learning/			

			patient					
			interaction					
Check for effectiveness of LA		CPA	Interactive					
			lecture/case					
			-based					
			learning/					
			patient					
			interaction					
Explain the reasons of failure of LA in		С	Interactive					
a case.			lecture/case					
			-based					
			learning					
Select appropriate LA and technique		СР	Interactive	\\				
			lecture/case					
			-based					
			learning					
Manage the complications and toxicity		СР	Interactive					
of LA			lecture/case					
			-based					
			learning/					
			patient					
			interaction					
3.ORAL AND MAXILLO	FACIAL T	RAUMA			v	2	1 0	100/
Time allocations I actures 7		1 05 1			Λ	3	1-2	10%
Time anocation: Lecture: /	nrs Clinic	al: 27 hi	:S					
Facial soft tissue and dentoalveolar	nrs Clinic	cal: 27 hi C	Interactive					
Facial soft tissue and dentoalveolar injuries	nrs Clinic	cal: 27 hi	Interactive lecture/case					
Facial soft tissue and dentoalveolar injuries	nrs Clinic	C	Interactive lecture/case -based					
Facial soft tissue and dentoalveolar injuries	nrs Clinic	c	Interactive lecture/case -based learning					
Facial soft tissue and dentoalveolar injuries evaluate a patient with facial soft		c	s Interactive lecture/case -based learning Interactive					
Facial soft tissue and dentoalveolar injuries evaluate a patient with facial soft tissue injuries and dentoalveolar		C	Interactive lecture/case -based learning Interactive lecture/case					
Facial soft tissue and dentoalveolar injuries evaluate a patient with facial soft tissue injuries and dentoalveolar trauma	nrs Chinic	C	Interactive lecture/case -based learning Interactive lecture/case -based		 			
Facial soft tissue and dentoalveolar injuries evaluate a patient with facial soft tissue injuries and dentoalveolar trauma	nrs Chinic	C	Interactive lecture/case -based learning Interactive lecture/case -based learning					
Facial soft tissue and dentoalveolar injuries evaluate a patient with facial soft tissue injuries and dentoalveolar trauma state and relate etiology (name 3	nrs Chinic		S Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive		 			
Facial soft tissue and dentoalveolar injuries evaluate a patient with facial soft tissue injuries and dentoalveolar trauma state and relate etiology (name 3 causes) of maxillofacial trauma,	nrs Chinic	C	S Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case		 			
Facial soft tissue and dentoalveolar injuries evaluate a patient with facial soft tissue injuries and dentoalveolar trauma state and relate etiology (name 3 causes) of maxillofacial trauma, dentoalveolar trauma, facial soft and		C	S Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based					
Facial soft tissue and dentoalveolar injuries evaluate a patient with facial soft tissue injuries and dentoalveolar trauma state and relate etiology (name 3 causes) of maxillofacial trauma, dentoalveolar trauma, facial soft and hard tissue injuries	nrs Chinic	C	Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based lecture/case -based learning/					
Facial soft tissue and dentoalveolar injuries evaluate a patient with facial soft tissue injuries and dentoalveolar trauma state and relate etiology (name 3 causes) of maxillofacial trauma, dentoalveolar trauma, facial soft and hard tissue injuries	nrs Chinic	C	S Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning/ patient					
Facial soft tissue and dentoalveolar injuries evaluate a patient with facial soft tissue injuries and dentoalveolar trauma state and relate etiology (name 3 causes) of maxillofacial trauma, dentoalveolar trauma, facial soft and hard tissue injuries		C	S Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning/ patient interaction					
Facial soft tissue and dentoalveolar injuries evaluate a patient with facial soft tissue injuries and dentoalveolar trauma state and relate etiology (name 3 causes) of maxillofacial trauma, dentoalveolar trauma, facial soft and hard tissue injuries define abrasion, contusion, laceration			S Interactive lecture/case -based learning Interactive lecture/case -based learning/ Interactive lecture/case -based learning/ patient interaction Interactive					
Facial soft tissue and dentoalveolar injuries evaluate a patient with facial soft tissue injuries and dentoalveolar trauma state and relate etiology (name 3 causes) of maxillofacial trauma, dentoalveolar trauma, facial soft and hard tissue injuries define abrasion, contusion, laceration and diagnose these injuries by history		C	S Interactive lecture/case -based learning Interactive lecture/case -based learning/ Interactive lecture/case -based learning/ patient interactive lecture/case					
Facial soft tissue and dentoalveolar injuries evaluate a patient with facial soft tissue injuries and dentoalveolar trauma state and relate etiology (name 3 causes) of maxillofacial trauma, dentoalveolar trauma, facial soft and hard tissue injuries define abrasion, contusion, laceration and diagnose these injuries by history and clinical examination	Dr. M.		S Interactive lecture/case -based learning Interactive lecture/case -based learning/ Interactive lecture/case -based learning/ patient interactive lecture/case -based					
Facial soft tissue and dentoalveolar injuries evaluate a patient with facial soft tissue injuries and dentoalveolar trauma state and relate etiology (name 3 causes) of maxillofacial trauma, dentoalveolar trauma, facial soft and hard tissue injuries define abrasion, contusion, laceration and diagnose these injuries by history and clinical examination	Dr. M. Hafiz	C	Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning/ patient interactive lecture/case -based learning/ patient interactive lecture/case -based learning/					
Facial soft tissue and dentoalveolar injuries evaluate a patient with facial soft tissue injuries and dentoalveolar trauma state and relate etiology (name 3 causes) of maxillofacial trauma, dentoalveolar trauma, facial soft and hard tissue injuries define abrasion, contusion, laceration and diagnose these injuries by history and clinical examination Describe the management of facial soft	Dr. M. Hafiz Jawaad		S Interactive lecture/case -based learning Interactive lecture/case -based learning/ patient interactive lecture/case -based learning/ patient interactive lecture/case -based learning Interactive					
Facial soft tissue and dentoalveolar injuries evaluate a patient with facial soft tissue injuries and dentoalveolar trauma state and relate etiology (name 3 causes) of maxillofacial trauma, dentoalveolar trauma, facial soft and hard tissue injuries define abrasion, contusion, laceration and diagnose these injuries by history and clinical examination Describe the management of facial soft tissue injuries and close the intra oral	Dr. M. Hafiz Jawaad Manzoor	al: 27 m C C C	Interactive lecture/case -based learning Interactive lecture/case -based learning/ Interactive lecture/case -based learning/ patient interactive lecture/case -based learning Interactive lecture/case -based learning Interactive					
Facial soft tissue and dentoalveolar injuries evaluate a patient with facial soft tissue injuries and dentoalveolar trauma state and relate etiology (name 3 causes) of maxillofacial trauma, dentoalveolar trauma, facial soft and hard tissue injuries define abrasion, contusion, laceration and diagnose these injuries by history and clinical examination Describe the management of facial soft tissue injuries and close the intra-oral	Dr. M. Hafiz Jawaad Manzoor	al: 27 h C C C C	S Interactive lecture/case -based learning Interactive lecture/case -based learning/ patient interactive lecture/case -based learning/ patient interactive lecture/case -based learning Interactive lecture/case -based learning					
Facial soft tissue and dentoalveolar injuries evaluate a patient with facial soft tissue injuries and dentoalveolar trauma state and relate etiology (name 3 causes) of maxillofacial trauma, dentoalveolar trauma, facial soft and hard tissue injuries define abrasion, contusion, laceration and diagnose these injuries by history and clinical examination Describe the management of facial soft tissue injuries and close the intra-oral soft tissue wound by sutures in a	Dr. M. Hafiz Jawaad Manzoor	al: 27 m C C C	S Interactive lecture/case -based learning Interactive lecture/case -based learning/ patient interactive lecture/case -based learning/ patient interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning					
Facial soft tissue and dentoalveolar injuries evaluate a patient with facial soft tissue injuries and dentoalveolar trauma state and relate etiology (name 3 causes) of maxillofacial trauma, dentoalveolar trauma, facial soft and hard tissue injuries define abrasion, contusion, laceration and diagnose these injuries by history and clinical examination Describe the management of facial soft tissue injuries and close the intra-oral soft tissue wound by sutures in a logical order.	Dr. M. Hafiz Jawaad Manzoor	al: 27 m C C C C	S Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning/ patient interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning					
Facial soft tissue and dentoalveolar injuries evaluate a patient with facial soft tissue injuries and dentoalveolar trauma state and relate etiology (name 3 causes) of maxillofacial trauma, dentoalveolar trauma, facial soft and hard tissue injuries define abrasion, contusion, laceration and diagnose these injuries by history and clinical examination Describe the management of facial soft tissue injuries and close the intra-oral soft tissue wound by sutures in a logical order.	Dr. M. Hafiz Jawaad Manzoor	al: 27 h C C C	S Interactive lecture/case -based learning Interactive lecture/case -based learning/ patient interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning					

classify traumatic injuries to the teeth		С	Interactive			
and supporting structures (WHO			lecture/case			
classification)			-based			
			learning			
evaluate dentoalveolar trauma by		СР	Interactive			
history, clinical and radiological			lecture/case			
examination			-based			
			learning			
manage dentoalveolar injuries and		С	Interactive			
keep upto date with current guidelines			lecture/case			
			-based			
			learning/			
			patient			
			interaction			
MAXILLOFACIAL TRAUMA						
State etiology of maxillofacial trauma		C	Interactive			
			lecture/case			
			-based			
			learning			
order and interpret relevant		CPA	Interactive			
investigations			lecture/case			
			-based			
			learning/S			
dia an ana anid an dananan fa an fan atanan		CDA	GD Interactive			
by alighting signs & symptoms and		CPA				
ordering & interpreting relevant			hered			
radiographic investigations			-Daseu			
radiographic investigations			GD			
discuss principles of management of	Drof Dr	С	Interactive			
fractures of midfacial fractures	A sod	C	lecture/case			
fractures of interactal fractures.	Asau		-based			
	Chatha		learning			
describe management of patients with	Chuthu	CPA	Interactive			
multiple facial injuries			lecture/case			
			-based			
			learning/S			
			GD		 	
discuss principles of management of		C	Interactive			
fractures of zygomatic bone and arch,			lecture/case			
frontal bone and NOE complex.			-based			
			learning			
name 5 complications of mid and		C	Interactive			
upper face fractures			lecture/case			
			-based			
			learning			

describe considerations in the		С	Interactive					
management of pediatric and geriatric			lecture/case					
maxillo-facial trauma.			-based					
			learning					
describe principles of management of		С	Interactive					
fire arm injuries involving the face			lecture/case					
			-based					
			learning/					
			patient					
			interaction					
identify instruments used in		C	Interactive					
management of OMF trauma			lecture/case					
			-based					
			learning/					
			interaction					
MANDIRIII AR TRAIMA			Interaction					
MANDIDULAR IRAUMA								
evaluate a patient with mandibular		CPA	Interactive					
trauma and order and interpret relevant			lecture/case					
investigations			-based					
C C			learning/					
			patient					
diagnaga mandibular fragturas bu		CD	Interaction					
eliciting signs & symptoms and		Cr	lacture/case					
ordering & interpreting radiographic			-based					
investigations			learning					
classify mandibular fractures		С	Interactive					
according to the type, site and		-	lecture/case					
favorability to reduction	Prof. Dr.		-based					
-	Asad		learning					
formulate a treatment plan for	AlZaZ Chatha	С	Interactive					
mandibular fractures in adults and	Chatha		lecture/case					
children			-based					
		~	learning					
name 5 complications of mandibular		C	Interactive					
Tractures			lecture/case					
			-Daseu					
list steps of ATLS evaluation (primary		C	Interactive					
survey) of patient with maxillofacial			lecture/case					
trauma			-based					
			learning/					
			patient					
			interaction					
4.ORAL AND MAXILLOF.	ACIAL INF	ECTIO	NS		x	3	1.2	10%
Time allocation: Lecture: 3	hrs Clinic	al: 27 h	'S		Δ	5	1-2	10/0

		~~ .				
evaluate a patient with an odontogenic		CPA	Interactive			
or maxillofacial infection and order			lecture/case			
and interpret relevant investigations			-based			
			learning/			
			patient			
			interaction/			
	-	~	SGD			
discuss factors (host, micro-organisms,		C	Interactive			
anatomical) that govern the spread of	Prof. Dr.		lecture/case			
odontogenic infections	Asad		-based			
	Alzaz Chatha		learning			
Diagnose and differentiate between	Chatha	CA	Interactive			
edema (inoculation), cellulitis and			lecture/case			
adscess			-based			
			learning/S			
Describe arread and nother hygical arr	-	C	GD Interpotivo			
of following infostions in her local			lecture/case			
of following infections in head and			based			
neck:			learning			
			Icarining			
Odontogenic infection to						
primary and secondary						
facial spaces.						
Cavernous sinus						
thrombosis/orbital						
cellulitis.						
 mediastinitis 						
Ludwig's anging						
• Osteomyelitis,						
candidiasis, necrotizing						
fasciitis, actinomycosis.						
	-	~	- ·			
plan management for odontogenic		C	Interactive			
infections:			lecture/case			
• Remove the cause.			-Dased			
• Surgically drain pus and			rearning			
insert drains, if						
indicated.						
Provide supportive						
therapy: select						
appropriate antibiotic						
and manage airway						
nutrition hydration						
nutrition, nyuration.						
Refer, when indicated.	1	С	Interactive			
· · · · · · · · · · · · · · · · · · ·		-	lecture/case			

			-based					
			learning					
Choose and prescribe appropriate		C	Interactive					
antibiotic(s) for edentogenic infections		C	locture/case					
antibiotic(s) for odomogenic infections			head					
			-Dased					
		C	Interneting					
justify prophylaxis against infectious		C	Interactive					
endocarditis and total joint			lecture/case					
replacement			-based					
			learning					
Describe anatomical Fascial spaces in		C	Interactive					
head and neck(boundaries and			lecture/case					
contents) which may get involved by			-based					
spread of Odontogenic infections			learning					
5.BASIC PRINCIPLE	S OF SURG	ERY						0.0.4
Time allocation: Lecture: 6	hrs Clinic	cal: 26 h	rs		X	2	0-1	8%
		~						
Develop a surgical diagnosis		C	Interactive					
			lecture/case					
			-based					
			learning					
Describe basic necessities for surgery		C	Interactive					
			lecture/case					
			-based					
		-	learning					
Describe and follow the aseptic		C	Interactive					
surgical protocol			lecture/case					
			-based					
			learning					
Describe basic principles of incisions		С	Interactive					
in oral surgery and correlate with			lecture/case					
different flaps discussed in other			-based					
sections			learning					
Draw and label the following flaps		СР	Interactive					
used in oral surgery:			lecture/case					
• 1, 2, 3 sided flaps and their			-based					
variations.	Dr		learning					
• sub-marginal/semilunar	Shoaib							
	Younus							
• for tori removal	2 3 41145							
 for impacted maxillary 								
canines.								
• 1 st and 2 nd stage implant								
surgery.								
• for impacted wisdom tooth								
Tor impacted wisdom teetin			Tuto t					
Describe the principles of tissue		C	Interactive					
nandling in oral surgery			lecture/case					
			-based					
			learning					

Describe the means of achieving	С	Interactive			
hemostasis and management of dead		lecture/case			
space		-based			
		learning			
access to facial skeleton	C	Interactive			
		lecture/case			
		-based			
		learning			
define these terms related to oral	C	Interactive			
surgery flaps: height, base, width		lecture/case			
(apex), length, triangular, rectangular,		-based			
submarginal, semi-lunar, corners,		learning/			
sides.		interaction			
		interaction			
PHYSIOLOGY OF WOUND					
REPAIR					
Enlist physical and chemical causes if	С	Interactive			
tissue damage		lecture/case			
		-based			
		learning			
describe the physiology of wound (soft	C	Interactive			
tissues & bone) repair: primary		lecture/case			
intention, secondary intention, healing		-based			
of an extraction wound and osseo-		learning			
describe the factors that impair wound	C	Interactive			
healing	C	lecture/case			
nearing		-based			
		learning			
classify nerve injuries (Seddon &	С	Interactive			
Sunderland).		lecture/case			
~		-based			
		learning			
Assess a patient with neural deficit	C	Interactive			
		lecture/case			
		-based			
		learning			
Describe the principles of management	C	Interactive			
of a nerve injury.		lecture/case			
		-Daseu learning			
ETHICS AND EVIDENCE BASED					
SURGERY AND MEDICOLEGAL					
CONSIDERATIONS					
Practice ethical based surgery and	CA	Interactive			
follow ethical standards in dentistry		lecture/case			
and research.		-based			
		learning/S			
		GD			

Describe common areas of litigation in		CA	Interactive					
dental practice			lecture/case					
•			-based					
			learning/S					
			GD					
Enlist steps to reduce risk of litigation		С	Interactive					
			lecture/case					
			-based					
			learning					
obtain informed consent and describe		CA	Interactive					
its components			lecture/case					
			-based					
			learning/S					
			GD					
Write a referral letter to a		CA	Interactive					
medical/dental specialist			lecture/case					
			-based					
			learning/S					
			GD					
Keep up to date with local rules and		C	Interactive					
regulations affecting practice			lecture/case					
			-based					
			learning					
6.CYSTS, TUMORS, PERIAPICA	AL, ANTRA	L AND	OTHER			_		
PATHOLOGICA	L LESIONS	5			X	5	0-1	12%
		1 07 1						
Time allocation: Lecture: 1	0 hrs Clini	cal: 27 h	rs					
Time allocation: Lecture: 1 BIOPSY	0 hrs Clini	cal: 27 h	rs					
Time allocation: Lecture: 1 BIOPSY Record history of a patient with netentially malignent legions in and	0 hrs Clini	cal: 27 h C	rs Interactive					
Time allocation: Lecture: 1BIOPSYRecord history of a patient withpotentially malignant lesions in oraland maxillafacial ration	0 hrs Clini	cal: 27 h	rs Interactive lecture/case					
Time allocation: Lecture: 1BIOPSYRecord history of a patient with potentially malignant lesions in oral and maxillofacial region	0 hrs Clini	cal: 27 h	rs Interactive lecture/case -based learning					
Time allocation: Lecture: 1 BIOPSY Record history of a patient with potentially malignant lesions in oral and maxillofacial region	<u>0 hrs Clini</u>	cal: 27 h	rs Interactive lecture/case -based learning					
Time allocation: Lecture: 1BIOPSYRecord history of a patient with potentially malignant lesions in oral and maxillofacial regionorder and interpret relevant investigations	<u>0 hrs Clini</u> Dr. Shoaib	cal: 27 h	rs Interactive lecture/case -based learning Interactive					
Time allocation: Lecture: 1BIOPSYRecord history of a patient with potentially malignant lesions in oral and maxillofacial regionorder and interpret relevant investigations	0 hrs Clini Dr. Shoaib Younus	cal: 27 h	rs Interactive lecture/case -based learning Interactive lecture/case based					
Time allocation: Lecture: 1BIOPSYRecord history of a patient with potentially malignant lesions in oral and maxillofacial regionorder and interpret relevant investigations	0 hrs Clini Dr. Shoaib Younus	cal: 27 h	rs Interactive lecture/case -based learning Interactive lecture/case -based learning					
Time allocation: Lecture: 1 BIOPSY Record history of a patient with potentially malignant lesions in oral and maxillofacial region order and interpret relevant investigations	0 hrs Clini Dr. Shoaib Younus	cal: 27 h	rs Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive					
Time allocation: Lecture: 1BIOPSYRecord history of a patient with potentially malignant lesions in oral and maxillofacial regionorder and interpret relevant investigationsdescribe the adjuncts to clinical screening of suspicious lesions	0 hrs Clini Dr. Shoaib Younus	cal: 27 h C C C	rs Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case					
Time allocation: Lecture: 1BIOPSYRecord history of a patient with potentially malignant lesions in oral and maxillofacial regionorder and interpret relevant investigationsdescribe the adjuncts to clinical screening of suspicious lesions, including fluorescent light and vital	0 hrs Clini Dr. Shoaib Younus	cal: 27 h	rs Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based					
Time allocation: Lecture: 1 BIOPSY Record history of a patient with potentially malignant lesions in oral and maxillofacial region order and interpret relevant investigations describe the adjuncts to clinical screening of suspicious lesions, including fluorescent light and vital staining	0 hrs Clini Dr. Shoaib Younus	cal: 27 h C C C	rs Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning					
Time allocation: Lecture: 1 BIOPSY Record history of a patient with potentially malignant lesions in oral and maxillofacial region order and interpret relevant investigations describe the adjuncts to clinical screening of suspicious lesions, including fluorescent light and vital state the indications of biopsy and	0 hrs Clini Dr. Shoaib Younus	C C C	rs Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case					
Time allocation: Lecture: 1BIOPSYRecord history of a patient with potentially malignant lesions in oral and maxillofacial regionorder and interpret relevant investigationsdescribe the adjuncts to clinical screening of suspicious lesions, including fluorescent light and vital state the indications of biopsy and describe each type of soft and hard	0 hrs Clini Dr. Shoaib Younus	C	rs Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case					
Time allocation: Lecture: 1BIOPSYRecord history of a patient with potentially malignant lesions in oral and maxillofacial regionorder and interpret relevant investigationsdescribe the adjuncts to clinical screening of suspicious lesions, including fluorescent light and vital stainingstate the indications of biopsy and describe each type of soft and hard tissue biopsy	0 hrs Clini Dr. Shoaib Younus	C C C C C C	rs Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning					
Time allocation: Lecture: 1BIOPSYRecord history of a patient with potentially malignant lesions in oral and maxillofacial regionorder and interpret relevant investigationsdescribe the adjuncts to clinical screening of suspicious lesions, including fluorescent light and vital state the indications of biopsy and describe each type of soft and hard tissue biopsy	0 hrs Clini Dr. Shoaib Younus	C	rs Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning					
Time allocation: Lecture: 1BIOPSYRecord history of a patient with potentially malignant lesions in oral and maxillofacial regionorder and interpret relevant investigationsorder and interpret relevantinvestigationsdescribe the adjuncts to clinical screening of suspicious lesions, including fluorescent light and vital state the indications of biopsy and describe each type of soft and hard tissue biopsyidentify instruments used for oral	0 hrs Clini Dr. Shoaib Younus	C C C C	rs Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive					
Time allocation: Lecture: 1BIOPSYRecord history of a patient with potentially malignant lesions in oral and maxillofacial regionorder and interpret relevant investigationsdescribe the adjuncts to clinical screening of suspicious lesions, including fluorescent light and vital state the indications of biopsy and describe each type of soft and hard tissue biopsyidentify instruments used for oral biopsy	0 hrs Clini Dr. Shoaib Younus	cal: 27 h C C C C C C C C C C C C C C C C C C C	rs Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case					
Time allocation: Lecture: 1BIOPSYRecord history of a patient with potentially malignant lesions in oral and maxillofacial regionorder and interpret relevant investigationsdescribe the adjuncts to clinical screening of suspicious lesions, including fluorescent light and vital stainingstate the indications of biopsy and describe each type of soft and hard tissue biopsyidentify instruments used for oral biopsy	0 hrs Clini Dr. Shoaib Younus	C C C C C C C C C C C C C C C C C C C	rs Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning					
Time allocation: Lecture: 1BIOPSYRecord history of a patient with potentially malignant lesions in oral and maxillofacial regionorder and interpret relevant investigationsdescribe the adjuncts to clinical screening of suspicious lesions, including fluorescent light and vital state the indications of biopsy and describe each type of soft and hard tissue biopsyidentify instruments used for oral biopsy	0 hrs Clini Dr. Shoaib Younus	cal: 27 h C C C C C C C C	rs Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning					
Time allocation: Lecture: 1BIOPSYRecord history of a patient with potentially malignant lesions in oral and maxillofacial regionorder and interpret relevant investigationsorder and interpret relevantinvestigationsdescribe the adjuncts to clinical screening of suspicious lesions, including fluorescent light and vital state the indications of biopsy and describe each type of soft and hard tissue biopsyidentify instruments used for oral biopsywrite a biopsy request form for	0 hrs Clini Dr. Shoaib Younus	C C C C C C C C C C C C C C C C C C C	rs Interactive lecture/case -based learning					
Time allocation: Lecture: 1BIOPSYRecord history of a patient with potentially malignant lesions in oral and maxillofacial regionorder and interpret relevant investigationsdescribe the adjuncts to clinical screening of suspicious lesions, including fluorescent light and vital stainingstate the indications of biopsy and describe each type of soft and hard tissue biopsyidentify instruments used for oral biopsywrite a biopsy request form for histopathological examination and	0 hrs Clini Dr. Shoaib Younus	cal: 27 h C	rs Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based learning					

			-based			
Describe methods of specimen		С	Interactive			
orientation			lecture/case			
			-based			
Fallow we as a bigger patient		C	learning			
Follow up on a biopsy patient		C	lecture/case			
			-based			
			learning			
CYSTS IN ORAL CAVITY						
classify jaw cysts (simple		С	Interactive			
classification – odontogenic and non –			lecture/case			
odontogenic)			-based			
			learning			
differentiate between radicular,		С	Interactive			
dentigerous and keratocyst.			lecture/case			
			-based			
state the indications, advantages	Dr.	CA	Internetive			
diseduanteeses and techniques for the	Shoaib	CA	lecture/case			
monogement of iou susta and sust like	Younus		-based			
Inanagement of Jaw Cysts and Cyst-like			learning/S			
resions i.e.			GD			
enucleation, marsupranzation,						
enucleation followed by						
marsuptaization, enucleation with						
ODAL AND MAXILLOFACIAL						
BENIGN AND MALIGNANT						
LESIONS						
Describe the management of jaw		CA	Interactive			
tumors based on the types of resection:			lecture/case			
marginal (segmental), partial, total,			-based			
composite.			learning/S			
			GD			
describe the management of benign		CA	Interactive			
soft tissue tumors	Prof. Dr.		lecture/case			
	Asad		-based			
	AlZaZ Chatha		learning/S			
describe the management of	Chatha	CA	Interactive			
potentially malignant (premalignant)		CIT	lecture/case			
lesions			-based			
			learning/S			
			GD			
describe the management of malignant		CA	Interactive			
tumors of the oral cavity according to			lecture/case			
the following factors:			-based			

• histopathology, grade and extracapsular spread			learning/S GD			
 TNM staging 						
PERIAPICAL SURGERY						
evaluate a patient with a periapical		С	Interactive			
pathology and order and interpret		-	lecture/case			
relevant investigations.	Dr. Hafiz		-based			
C	M. Iawaad		learning			
discuss indications for surgical	Manzoor	С	Interactive			
endodontic procedures			lecture/case			
			-based			
list contraindications for surgical		С	Interactive			
endodontics.		-	lecture/case			
			-based			
		C	learning			
select appropriate procedure, flap,		C	Interactive			
metarials for surgical and dontics			-based			
materials for surgical endodointics			learning			
MAXILLARY SINUS DISEASE						
Evaluate a patient with maxillary sinus		С	Interactive			
disease			lecture/case			
			learning			
describe odontogenic and non-	Dr	С	Interactive			
odontogenic infections of maxillary	Shoaib		lecture/case			
sinus and their differential diagnoses	Younus		-based			
Describe treatment of sinusitis		CA	Interactive			
Describe reaction of sindsids		CII	lecture/case			
			-based			
		~	learning			
classify oro-antral communication		C	Interactive			
according to size and describe their			-based			
management according to the time			learning/S			
erapsed.			GD			
enlist the common maxillary sinus	1	С	Interactive			
tumors of odontogenic and non-			lecture/case			
odontogenic origin, and describe their			-based			
RECONSTRUCTION OF			iouming			
MAXILLOFACIAL DEFECTS		~				
state the general principles of OMF		C				
			-based			
			learning			

describe the biology of bone	Prof. Dr.	С	Interactive					
reconstruction and define osteo-	Asad		lecture/case					
induction, osteo-conduction, osteo-	Aizaz		-based					
promotion and osteo-genesis	Chatha		learning					
classify bone grafts on the basis of		С	Interactive					
source and vascularity (autogenous)			lecture/case					
			-based					
			learning					
enlist the goals of mandibular		C	Interactive					
reconstruction: restoration of			lecture/case					
continuity, alveolar bone height,			-based					
osseous bulk and function.			learning					
describe the role of maxillofacial		С	Interactive					
prosthetics in rehabilitation of OMF			lecture/case					
defects			-based					
			learning					
MANAGEMENT OF PATIENTS								
UNDERGOING KADIO /CHEMOTHERAPV								
state the mechanism of action of		С	Interactive					
radiotherapy regimes of radiotherapy		-	lecture/case					
and list its adverse oral effects			-based					
and list its adverse of al effects.			learning					
	Dr.							
describe the dental management of a	Shoaib	CA	Interactive					
patient undergoing radiotherapy to the	Younus		lecture/case					
OMF region.			-based					
			learning/S					
define esterradionacrosis Describe its		C	GD Interactive					
at a set of a many server a lan		C	lecture/case					
stages and management plan.			-based					
			learning					
state the dental management of a		CA	Interactive					
patient undergoing systemic			lecture/case					
chemotherapy.			-based					
			learning/S					
			GD					
define MRONJ.		C	Interactive					
			lecture/case					
			-based					
State the management of a patient at		CA	Interactive					
risk of MRONI needing dental			lecture/case					
extraction.			-based					
			learning/S					
			GD					
7.PRE-PROSTHETICS AND	IMPLANT	SURGE	CRY		v	2	0.1	80/
Time allocation: Lecture: 7	hrs Clinic	al: 26 hr	`S		Λ	4	0-1	0 /0

Enlist objectives of pre-prosthetic	Dr.	С	Interactive				
surgery.	Shoaib		lecture/case				
	Younus		-based				
			learning			 	
Identify abnormalities of soft and hard		С	Interactive				
tissues which interfere with denture			lecture/case				
(partial/complete) construction and			-based				
formulate a treatment plan.			learning				
Name and describe ridge extension,		С	Interactive				
augmentation and correction			lecture/case				
(osteotomies) procedures for mandible			-based				
and maxilla.			learning				
Discuss complications of pre-		С	Interactive				
prosthetic surgery			lecture/case				
			-based				
			learning			 	
briefly describe the principles of		С	Interactive				
following surgical procedures:			lecture/case				
alveloloplasty- simple, intraseptal			-based				
(Dean's), tuberosity reduction,			learning				
exostosis and undercuts correction, tori							
removal, mylohyoid ridge reduction,							
genial tubercle reduction, retromolar							
pad reduction, lateral palatal soft tissue							
excess removal, unsupported							
hypermobile tissue removal,							
inflammatory fibrous hyperplasia							
removal, labial and lingual							
frenectomy.							
Describe protocol for immediate		С	Interactive				
denture placement/ construction		C	lecture/case				
denture placement/construction			-based				
			learning				
describe methods of ridge		С	Interactive				
preservation.			lecture/case				
			-based				
		0	learning			 	
Describe procedure and advantages of		C	Interactive				
over dentures			-based				
			learning				
IMPLANTS						 	
	1	С	Interactive				
		_	lecture/case				

Define dental implant and identify its components. -hased -hased hased									
components. Cannog Interactive Interactive define ossointegration, list factors influencing ossointegration, define the following terms related to dental implants: endosseous, root-form, cover screw, healing abuttend/gingval former, single/two stage, screw/centerl tetained, biotypes. Prof. Dr. Asad Airaz Interactive lecture/case -based learning Image screw/centerl tetained, biotypes. describe the following considerations for implant placement: soft tissue, hard tissue and biomechanical CA Interactive lecture/case -based learning/S GD Image screw/centerlearned screw screw screw/centerlearned screw screw screw/centerlearned screw	Define dental implant and identify its			-based					
define osseonintegration, list factors influencing osseonintegration, define the following terms related to dental implants: endosseous, root- form, cover screw, healing abutment/gingvial former, single/two stage, screw/cement retained, biotypes. describe the following considerations for implant placement: soft tissue, hard tissue and biomechanical magnetic the surgical procedure for one state the peri-operative management of dental implant placement enlist complications of implant surgery and describe the rangement enlist complications of implant surgery and describe their management describe ridge augmentation and preservation, guided bone regeneration, onlay bone grafting, situal find adistraction osteogenesis for dental implants: zygomatic and extar-oral StrAIN/TMJ SURGERY/SALV-XFY GL-XFV StrAIN/TMJ SURGERY/SALV-XFY GL-XFV STAL SURGERY/SALV-XFY GL-XFV STAL SURGERY/SALV-XFY GL-XFV C Interactive learning C Interactive C Interactive learning C Interactive learning C Interactive learning C Interactive learning C Interactive C Interactive C Interactive C Interactive C Interactive C Interactive C Interactive C In	components.			Tearning	 				
Influencing osseontegration. define the following terms related to dental implants: endoseous, root- form, cover screw, healing aburent/gingival former, single/two stage, screw/cement retained, biotypes. assess a patient in need of dental implant(s) by history, clinical examination, imaging. assess a patient in need of dental implant(s) by history, clinical examination, imaging. assess a patient in media dental implant(s) by history, clinical examination, imaging. atta the peri-operative management of dental implant placement state the peri-operative management extinuing and distraction osteogenesis for dental implant placement and the following special maxinofical implant SURGERY/SALV-XEV SUS-XEV STALENTY SURGERY/SALV-XEV SUS-XEV STALENTY SURGERY/SALV-XEV SUS-XEV STALENTY SURGERY/SALV-XEV SUS-XEV C Interactive lecture/case -based learning C Interactive C In	define osseointegration, list factors		C	Interactive					
define the following terms related to denal implants: endoscous, root-form, cover screw, healing abutiment/gingival former, single/two stage, screw/enemt retained, biotypes. Prof. Dr. Asad Aizaz Chatha Aizaz Chatha Aizaz Chatha Aizaz Chatha Aizaz Chatha Aizaz Chatha Implant placement: soft tissue, hard tissue and biomechanical CA Interactive lecture/case	influencing osseointegration.			-based					
dental implants: endoseous, root- stage, screw./cement retained, biotypes. describe the following considerations for implant placement: soft issue, hard tissue and biomechanical Prof. Dr. Asad Aizaz Chatha CA Interactive lecture/case -based learning/S GD Image: Soft Soft Soft Soft Soft Soft Soft Soft	define the following terms related to			learning					
torm, cover serve, heading abutment/gingval former, singlet/two stage, screw/cement retained, biotypes. Prof. Dr. Asad Aizaz Interactive lecture/case -based learning/S Interactive lecture/case -based learning Interactive lecture/case -based learning Interactive lecture/case -based Interactive lecture/case	dental implants: endosseous, root-			6					
abuttment/gingrval former, single/two Prof. Dr. stage, screw/cement retained, biotypes. Asad Aizaz CA Interactive Interactive describe the following considerations for implant placement: soft tissue, hard tissue and biomechanical CA Interactive Interacti	form, cover screw, healing	Duef Du							
stage, screw/cement retained, biotypes, Aizaz CA Interactive Int	abutment/gingival former, single/two	Prof. Dr.							
describe the following considerations for implant placement: soft tissue, hard tissue and biomechanical CA Interactive lecture/case -based learning/S GD Image: soft tissue, hard timplant(s) by history, clinical examination, imaging. assess a patient in need of dental implant(s) by history, clinical examination, imaging. CPA Interactive lecture/case -based learning/S GD Image: soft tissue, hard timplant(s) by history, clinical examination, imaging. CPA Interactive lecture/case -based learning/S GD Image: soft tissue, hard timplant(s) by history, clinical examination, imaging. CA Interactive lecture/case -based learning/S GD Image: soft tissue, hard timplant(s) by history, clinical examination, imaging. CA Interactive lecture/case -based learning/S GD Image: soft tissue, hard timplant(s) by history, clinical examination, imaging. CA Interactive lecture/case -based learning/S GD Image: soft tissue, hard timplant(s) by history, clinical examination, image: soft timplant placement C Interactive lecture/case -based learning Image: soft timplant(s) by history, clinical examination, soft timplant surgery and describe their management of dental implant placement C Interactive learning Image: soft timelearning image: soft timelearnimage: soft timelearning image: soft timelearning image	stage, screw/cement retained, biotypes.	Asau Aizaz							
for implant placement: soft issue, hard inclusion inclusion<	describe the following considerations	Chatha	CA	Interactive					
tissue and biomechanical tissue and biomechanical timplant(s) by history, clinical examination, imaging. CPA Interactive chased learning/ patient interaction CA Interactive lecture/case chased learning/S GD CA Interactive lecture/case chased learning CA Interactive Int	for implant placement: soft tissue, hard	Chavina		lecture/case					
assess a patient in need of dental implant(s) by history, clinical examination, imaging.CPAInteractive lecture/case -based learning/ a patient interactionLearning/s stased learning/sLearning/s stased learningLearning/s stased learningLearning/s stased learningLearning/s stased learningLearning/s stased learningLearning/s stased learningLearning/s stased learningLearning/s stased learningLearning/s stased learningLearning/s stased learningLearning/s stased learningLearning stased learningLearning stased learningLearning stased learningLearning stased learningLearning stased learningLearning stased learningLearning stased <b< td=""><td>tissue and biomechanical</td><td></td><td></td><td>-Dased</td><td></td><td></td><td></td><td></td><td></td></b<>	tissue and biomechanical			-Dased					
assess a patient in need of dental implant(s) by history, clinical examination, imaging. CPA Interactive lecture/case -based learning/ patient interaction Implant support describe the surgical procedure for one stage, two stage and immediate dental implant placement CA Interactive lecture/case -based learning/S GD Implant support state the peri-operative management of dental implant placement C Interactive lecture/case -based learning Implant support enlist complications of implant surgery and describe their management regeneration, onlay bone grafting, sinus lift and distraction osteogenesis for dental implant placement C Interactive lecture/case -based learning Implant support C Interactive lecture/case -based learning Implant support Implant support Implant support C Interactive lecture/case -based learning Implant suppo				GD					
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Image: Note of the sector of	extra-oral			-based					
S.PAIN/TMJ SURGERY/SALIVARY GLAND DISEASE Time allocation: Lecture: 8 hrs X 3 0-1 10% OROFACIAL PAIN C Interactive lecture/case Interactive				learning					
OROFACIAL PAIN C Interactive Interactive describe the pathophysiology of neuropathic pain C Interactive Interactive	8.PAIN/TMJ SURGERY/SALF Time allocation: Lecture: 8	VARY GLA 8 hrs - Clinic	ND DIS al: 26 h	EASE		X	3	0-1	10%
describe the pathophysiology of neuropathic pain C Interactive lecture/case Interactive lecture/case	OROFACIAL PAIN								
neuropathic pain	describe the pathophysiology of		С	Interactive					
	neuropathic pain		_	lecture/case					

			-based learning			
classify oro-facial pain according to		С	Interactive			
site and etiology	Prof. Dr.		lecture/case			
	Asad Aizaz		-based			
	Chatha		learning			
diagnose trigeminal neuralgia and		CA	lecture/case			
describe its management options.			-based			
			learning/S			
			GD			
differentiate trigeminal neuralgia from		CA	Interactive			
pre-trigeminal neuralgia, odontalgia,			lecture/case			
post-herpetic neuralgia, neuroma,			learning/S			
burning mouth syndrome,			GD			
glossopharyngeal neuralgia and						
Temperemendibular Isint TMT						
evaluate a patient with TMJ disorder		CPA	Interactive			
			lecture/case			
			-Dased learning/pr			
	Dr		actical/			
	Shoaib		patient			
	Younus		interaction			
classify TMJ disorders as: myofascial,		C	Interactive			
internal derangement (Wilke's),			lecture/case			
systemic arthritis conditions, chronic			learning			
recurrent dislocation, ankylosis,			6			
neoplasia and infections			Tutous ations			
and antiquesis (conservative and		CA	lecture/case			
and ankylosis (conservative and			-based			
surgical)			learning/S			
			GD			
SALIVARY GLAND DISEASE						
describe pathophysiology and		C	Interactive			
presentation of obstructive, retentive.		Ũ	lecture/case			
infectious and neoplastic salivary			-based			
gland disease	Prof. Dr.		learning			
describe various diagnostic modalities	Asau Aizaz	С	Interactive			
for salivary gland disorders	Chatha		lecture/case			
			-based			
describe the principles of management		CA	Internetive			
of the following solivery cloud		CA	lecture/case			
or the following sanvary gland			iceture/case			

disorders: sialolithiasis, mucocele, ranula, infections, traumatic injuries to salivary glands, pleomorphic adenoma, Warthin's tumor, mucoepidermoid			-based learning/S GD					
carcinoma, adenoid cystic carcinoma, adenocarcinoma.								
9.DENTOFACIAL DEFORMIT	Y AND OR	THOGN	ATHIC					
SURGE Time allocation: Lecture: 4	KY Lhrs Clinic	al• 26 hr	•		X	4	0-1	12%
Enlist causes of dentofacial		C	Interactive					
deformities			lecture/case -based learning					
evaluate a patient with dentofacial deformity	Prof. Dr. Asad	С	Interactive lecture/case -based learning					
order and interpret relevant investigations	Aizaz Chatha	С	Interactive lecture/case -based learning					
describe the pre-surgical preparation for orthognathic surgery patient.		С	Interactive lecture/case -based learning					
describe the surgical treatment options (osteotomies) for the following: mandibular excess, mandibular deficiency, maxillary and mid-face deficiency, combination deformity, facial asymmetry.		СА	Interactive lecture/case -based learning/S GD					
describe the role and advantages of distraction osteogenesis in OMF region		С	Interactive lecture/case -based learning					
CLEFT LIP AND PALATE				 				
name the number of different types of rare facial clefts in addition to cleft lip and palate	Dr.	C	Interactive lecture/case -based learning					
classify cleft lip and palate for communication and record keeping.	Shoaib Younus	C	Interactive lecture/case					

			-based					
			learning					
enlist the OME problems faced by a		С	Interactive					
claft nationt		Ũ	lecture/case					
ciert patient			-based					
			learning					
constitute a team for the treatment of a		С	Interactive					
cleft nationt		-	lecture/case					
cient putient.			-based					
			learning					
describe the treatment of a cleft patient		CA	Interactive					
according to the sequence and surgical			lecture/case					
procedures			-based					
procedures.			learning/S					
			GD					
10.HOPITALIZED PATIENTS AN	ID GENER	AL ANE	STHESIA				0.4	100/
Time allocation: Lecture: 3	.5 hrs Clini	cal: 26 h	irs		X	2	0-1	10%
Answer a referral consultation letter		C/A	SGD					
Answer a referrar consultation refer		0/11	DOD					
	-	~	- ·					
Describe when to hospitalize a dental		C	Interactive					
patient for management			lecture/case					
			-based					
			learning/S					
Describe des surgery dentistry under	Dr. Hafiz	C	GD Interpotivo					
Describe day surgery/ denustry under	М.	C	lacture					
GA	Jawaad		hered					
	Manzoor		learning					
Evaluate a patient for OME surgery	-	CA	Interactive					
under CA		CA	lecture/case					
			-based					
list pre-operative management of			learning/S					
patient for major oral surgery:			GD					
investigations and consults with			02					
reference to ASA status.								
Describe assessment of fitness,		С	Interactive					
normal, abnormal cardiac and			lecture/case					
respiratory signs, premedication.			-based					
anesthetic and analgesia medication			learning					
tachnique of andotrachael intubation								
Drovido core for begrital'- d activit	-	C	Interaction					
Provide care for nospitalized patient								
			lecture/case					
			-Dased					
Record operative notes	-	СРА	Interactive					
			lecture/case					
			-hased					
		1	Jubea	L	1	I		

		learning/S GD			
Write a hospital discharge	CA	Interactive			
		lecture/case			
		-based			
		learning/S			
		GD			
Enlist and describe management of	С	Interactive			
post GA problems.		lecture/case			
r ···· r · · · · ·		-based			
		learning			

Small Group Discussions

	Topics	Facilitators	Setting
1.	Medically compromised patients and medical emergencies in dental clinics	Prof. Dr. Asad Aizaz Chatha , Dr. Ali Shahid	IOD Seminar Room # 275
2.	Exodontia including local anesthesia	Dr. Shoaib Younus, Dr. Azhar Imran	IOD Seminar Room # 275
3.	Oral and Maxillofacial Trauma	Dr. Hafiz M. Jawaad Manzoor, Dr. Samah Akhtar	IOD Seminar Room # 275
4.	Oral and Maxillofacial Infections	Prof. Dr. Asad Aizaz Chatha, Dr. Aminah Ikram Ullah	IOD Seminar Room # 275
5.	Basic principles of surgery	Dr. Shoaib Younus, Dr. Ali Shahid	IOD Seminar Room # 275
6.	Cysts, Tumors, Periapical, Antral and other Pathological lesions	Dr. Hafiz M. Jawaad Manzoor, Dr. Azhar Imran	IOD Seminar Room # 275
7.	Pre-prosthetics and Implants surgery	Prof. Dr. Asad Aizaz Chatha, Dr. Samah Akhtar	IOD Seminar Room # 275
8.	Pain, TMJ surgery/ salivary gland disease	Dr. Shoaib Younus, Dr. Aminah Ikram Ullah	IOD Seminar Room # 275
9.	Dentofacial deformity and Orthognathic surgery	Dr. Hafiz M. Jawaad Manzoor, Dr. Ali Shahid	IOD Seminar Room # 275
10.	Hospitalized patients and GA	Prof. Dr. Asad Aizaz Chatha, Dr. Azhar Imran	IOD Seminar Room # 275

Learning Resources

Topics	Resources
11. Medically compromised patients and medical emergencies in dental clinics	 Contemporary Oral & Maxillofacial Surgery. 7th Edition 2018. Peterson, Ellis, Hupp, Tucker Medical Problems in Dentistry, by Scully & Cawson Internet e.g. <u>https://www.sciencedirect.com/</u>, <u>https://emedicine.medscape.com/</u>
12. Exodontia including local anesthesia	 Contemporary Oral & Maxillofacial Surgery. 7th Edition 2018. Peterson, Ellis, Hupp, Tucker Handbook of Local Anesthesia. 6th Edition, 2013 Stanley F. Malamed Internet e.g. <u>https://www.sciencedirect.com/</u>, <u>https://emedicine.medscape.com/</u>
13. Oral and Maxillofacial Trauma	 Contemporary Oral & Maxillofacial Surgery. 7th Edition 2018. Peterson, Ellis, Hupp, Tucker Killeys- Midface fractures vol I; Mandible fractures vol-II Internet e.g. <u>https://www.sciencedirect.com/</u>, <u>https://emedicine.medscape.com/</u>
14. Oral and Maxillofacial Infections	 Contemporary Oral & Maxillofacial Surgery. 7th Edition 2018. Peterson, Ellis, Hupp, Tucker Internet e.g. <u>https://www.sciencedirect.com/</u>, <u>https://emedicine.medscape.com/</u>
15. Basic principles of surgery	 Contemporary Oral & Maxillofacial Surgery. 7th Edition 2018. Peterson, Ellis, Hupp, Tucker

	2 Internet e g
	https://www.sciencedirect.com/
	https://www.setencedneet.com/
	<u>nttps://emedicine.medscape.com/</u>
16. Cysts, Tumors, Periapical, Antral and	1. Contemporary Oral & Maxillofacial
other Pathological lesions	Surgery. 7th Edition 2018. Peterson, Ellis,
	Hupp, Tucker
	2. Internet e.g.
	https://www.sciencedirect.com/,
	https://emedicine.medscape.com/
17. Pre-prosthetics and Implants surgery	1. Contemporary Oral & Maxillotacial
	Surgery. /" Edition 2018. Peterson, Ellis,
	Hupp, Tucker
	2. Internet e.g.
	https://www.sciencedirect.com/,
	https://emedicine.medscape.com/
18. Pain, TMJ surgery/ salivary gland	1. Contemporary Oral & Maxillofacial
disease	Surgery. 7th Edition 2018. Peterson, Ellis,
	Hupp, Tucker
	2. Internet e.g.
	https://www.sciencedirect.com/,
	https://emedicine.medscape.com/
19. Dentofacial deformity and	1. Contemporary Oral & Maxillofacial
Of thoghatine surgery	Surgery. /" Edition 2018. Peterson, Ellis,
	Hupp, Tucker
	2. Internet e.g.
	https://www.sciencedirect.com/,
	https://emedicine.medscape.com/
20. Hospitalized patients and GA	1. Contemporary Oral & Maxillofacial
	Surgery. 7th Edition 2018. Peterson, Ellis,
	Hupp, Tucker
	2. Internet e.g.
	https://www.sciencedirect.com/,
	https://emedicine.medscape.com/

OTHER LEARNING RESOURCES

Hands- on Activities / Practical	Students will be involved in practical sessions and hands-on activities that link oral surgery and patient care to enhance their learning
<u>Skills Area</u>	A section of the clinical hall dedicated to teaching students basic suturing and wiring skills used in oral surgery.
Videos	Videos familiarize the student with the procedures and protocols to assist patients
<u>Computer</u> <u>Lab/CSs/DVDs/ Internet</u> <u>Resources:</u>	To increase the knowledge, students should utilize the available internet resources and CDs/ DVDs. This will be an additional advantage to increase learning.
Self-Learning	Self-Learning is scheduled to search for information to solve cases, read through different resources and discuss among the peers and with the faculty to clarify the concepts.

Summative assessment methods and policies

Internal Assessment

- a. Weightage of internal assessment shall be 10 %, each for theory and practical, in BDS Professional Examination.
- b. The Internal Assessment shall comprise of monthly test / PBL / assignments / Clinical tests / clinical vivas etc
- c. The Internal Assessment record shall be kept in the respective department of the College / Institute and after approval of Principal, a summary as per University registration number shall be furnished to the Controller of Examinations, at least two weeks before the commencement of final examination.
- d. The result of all the class tests / tools which contribute towards IA will be displayed to the students during an academic year.
- e. The same internal assessment shall be counted both for annual and supplementary examinations. The students who are relegated, however, can improve the internal assessment during subsequent year
- f. Internal assessment tools of any subject may be changed after the approval of respective FBS

Annual Examination

- g. The weightage of Annual Examination shall be 90%, each for theory and practical, in BDS.
- h. The examination comprises of a theory paper and practical/clinical examinations as per PM&DC regulations and the Table of Specifications (TOS) of the University.
- i. The gap between two consecutive theory papers shall not be more than two days.
- j. The Theory Paper shall be of 3-hours duration, held under the arrangements of the university. It shall have two parts; MCQs (30%) and SAQs/SEQs (70 %) for the year 2019. It may be changed after the approval of Academic Council.
- k. Allocated time for MCQs for 2019 shall be as under:

25 MCQs	-	30 Minutes
30 MCQs	-	40 Minutes
40 MCQs	-	50 Minutes
45 MCQs	-	60 Minutes

1. Each MCQs shall have four distractors

Internal Examiner

He/she shall be Professor and Head of Department who has been involved in teaching of the class being examined for at least six months and has delivered 50% of the total lectures. Second preference shall be Associate/Assistant Professor who is involved in teaching of the class and posted there for one year. Third preference shall be a recognized Professor of the subject.

External Examiner

He/she shall be a Professor/Associate Professor of a recognized Medical/Dental College or at least an Assistant Professor with three years teaching experience in the relevant subject.

Conflict of Interest

No person shall serve as an examiner whose close relative (wife, husband, son, daughter, adopted son, adopted daughter, grand-son, grand-daughter, brother, sister, niece /nephew, son and daughter- in-law brother and sister- in-law, parental and maternal uncle and aunt etc) is appearing in the examination. All examiners likely to serve as an examiner shall render a certificate in compliance to this para.

Paper Setting

- m. Each College / Institute shall forward a set of two question papers as per TOS along with the key for each subject to the Controller of Examinations, at least three months in advance of the annual examination. The question paper as a whole / a question without a comprehensive key shall not be considered towards final paper setting.
- n. The set of question papers shall be prepared by the respective Head of Department (HoD) and furnished to Controller of Examinations through Head of Institution (HoI)
- o. The Controller of Examinations shall approve the faculty for the final paper setting having fair representation of each college / institute.

Paper Assessment

- p. The Controller of Examinations shall approve the faculty for the theory paper marking, to be undertaken in the manner as deemed appropriate.
- q. The Examination Directorate shall coordinate directly with the faculty, earmarked for the paper marking
- r. A student who scores 85% and above marks in any subject shall qualify for distinction in that particular subject.
- s. A fraction in aggregate marks of a subject shall be rounded off to whole number. If it is less than 0.5 then it will be rounded off to the previous whole number while 0.5 or more will be rounded off to the next whole number.

Practical / Clinical Examinations

- t. The Controller of Examiners shall approve the faculty to serve as the internal & external examiners.
- u. The number of external and internal examiners shall be equal.
- v. One external & internal examiner each shall be marked for a group of 100 students.
- w. Candidates may be divided into groups in the clinical and practical examinations and be standardized by incorporating clinical exam
- x. Practical/clinical examination shall be held after the theory examination of the subject but in special cases, it may be held before the theory examination with the approval of the Controller of Examinations. For the purpose of practical/clinical examination, the candidates may be divided into sub groups by the examiners.

y. The assessment of the practical / clinical examination duly signed by internal & external examiner shall be furnished to the Controller of Examinations within one week of the conclusion of examination

Pass Marks

- z. Pass marks for all subjects less Islamic / Pakistan Studies, shall be 50 % in theory and practical, separately.
- aa. Pass marks for Islamic / Pakistan Studies shall be 33 % which, however shall not be counted towards final scoring of the professional examination.
- bb. No grace marks shall be allowed to any student in any examination.

Declaration of Result.

Every effort shall be made to declare the result of each examination within one month of the last practical examination or earlier.

Promotion.

No student shall be promoted to the higher classes unless he/she passes all the subjects of the previous class

Re-Totaling.

Any student may apply to the Controller of Examinations on a prescribed form along with the specified fee.

Supplementary Examination.

The interval between a supplementary examination and the previous professional examination shall not be more than two months. There shall be no special supplementary examination.

Final Professional BDS Examination (2020)

Oral & Maxillofacial Surgery

Time Al	me Allowed =03 hrs. (<i>Including MCQs</i>)			
Marks o	of theory paper =	=90		
Internal	assessment =	-10		
Total ma	arks =	100		
Pass Ma	ırks =	50		
45 x MO	CQs (4	45 Marks)	Time $= 50 \text{ min}$	1
Q. No. 1	1, 2, 3, 4, 5, 6, 7, 8, 9			
3 x SAQ	2s/SEQs (Recall) =	05 marks	each	
6 x SAQ	2s/SEQs (Application) =	05 marks	each	
Total M	arks =	45 Marks	Time = 2 hour	rs & 10 min
			NUMBER OF MCQs (45)	NUMBER OF SAOs/SEOs (09)
Sr.No	Course Content		Recall (18)	
			Application (27)	(05 marks each)
			(1 mark each)	
1.	1. Medically Compromised Patients & Medical		5	1
	Emergencies in Dental Clinics			
2.	2. Exodontia Including Local Anesthesia		4	1
3.	Oral & Maxillofacial Trauma		4	1
4.	Oral & Maxillofacial Infections		4	1
5.	Basic Surgical Principles		3	1
6.	6. Cysts, Tumors, Periapical, Antral and Other Pathological Lesions		8	1
7	Pre-prosthetics and Implants Surgery		3	1
8	Pain / TMJ Surgery / Salivary Gland Diseases		5	1
9	Dentofacial Deformity and Orthogn Surgery	athic	6	1
10	10 Hospitalized patients & GA		3	
	Total		45 (45)	09 (45)

Table of Specification for Annual Examinations – Practical

VIVA (60 marks)		Practical / Clinical (120 marks)			Int. Assess (20 Marks)	Total
	TOACS	History	LA & Extraction	Chair side Viva		
60	30	15	50	25	20	200

Internal assessment calculation (Theory Annual)

Α	В	С	D	Ε	Int. Assessment Score
1 st Mid term	1 st term	2 nd Mid term	2 nd term	PreAnnual	Total Marks of internal Assessment out of 10
					$(A+B+C+D+E) \div 360 \ge 10$
45 Marks	90 Marks	45 Marks	90 Marks	90Marks	10 Marks

Internal assessment calculation (practical)

Ward Test	Pre-annual Practical	Total Marks of internal
(A)	(B)	Assessment (out of 20)
20	180	(A+B) ÷ 200 x 20

Sample MCQ and SAQ/SEQ

A 32 year old male patient presents to the oral surgery department one week after incisional biopsy of a radiolucent lesion of his left posterior mandible. The lesion was asymptomatic, though it had caused loosening of teeth, and all posterior left molars had been extracted over the last 6 months. Radiographs showed the lesion extending mesio-distally from the 2nd premolar to the 3rd molar region, and vertically from the alveolar crest to the level of the premolar root apices. Histopatholgy reports the lesion to be a follicular ameloblastoma. Which of the following treatment modalities is most suitable for this case?

- A. Composite resection
- B. Enucleation and/or curettage
- C. Marginal resection
- D. Partial resection
- E. Total resection

Key : C

Sample SEQ

A 44 year old female presents to the oral surgery department complaining of a swelling below her tongue of one week duration. The swelling has slowly increased in size and is affecting tongue movement and function. On examination there is a soft dome like swelling in the left anterior floor of the mouth, 25 mm in diameter. The overlying mucosa has a bluish hue. There is no loss of sensation of the tongue, though movements are painful and restricted.

- (a) What is the differential diagnosis of this lesion?
- (b) Which of these is the most likely diagnosis, and what are the different types of this lesion, if any?
- (c) How will you treat this lesion, presuming your diagnosis is correct?

Key:

- a) 1. Ranula
 - 2. Mucocele
 - 3. Lymphoepithelial cyst
 - 4. Epidermoid Cyst
 - 5. Salivary Gland Tumor
- b) Ranula. The two types are
 - i) Simple Ranula
 - ii) plunging Ranula
- c) Marsupalization of the ranula in which a portion of the oral mucosa of the floor of the mouth is excised along with the superior wall of the ranula. Subsequently, the lining of the floor of the ranula is then sutured to the floor of the mouth and allowed to heal by secondary intention. For persistent ranulas, excision of the sublingual gland as well the ranula can be done via intra-oral approach

Reference : Contemporary Oral & Maxillofacial Surgery. 7th Edition 2018. Peterson, Ellis, Hupp, Tucker