

Year:	Fourth Year
Subject Name:	Oral & Maxillofacial Surgery
Subject Code:	1DS1010304
Pre-requisite:	-None-

Theory: 50 hours

Sl. No.	Topic	Contents	Time (Hrs)
01	Dento-alveolar surgery	Trans alveolar extraction Impacted teeth: General factors, incidence, etiology Classification and indications Assesment: clinical & radiological Anaesthetic considerations Surgical procedure Impacted maxillary third molar & Impacted Canine	1 hour 4 hours
02	Endodontic surgery	Introduction, classification, apicectomy, replantation	
03	Infections of the oral cavity	Introduction, microbiology, anatomy of fascial spaces, course of odontogenic infections, Spread of infection, classification, clinical features, management Dentoalveolar abscess, ludwigs angina osteomyelitis and ORN. Hepatitis B and HIV	4 hours
04	Cystic lesions of jaws	Definition, classification and pathogenesis Diagnosis, clinical features, radiological, aspiration biopsy, use of contrastmedia and histopathology Management-types of surgical procedures, and complications	3 hours
05	Oral Implantology	Principles of implantology	2 hours
06	Ethics		1 hour

07	Preprosthetic surgery	Introduction, aims, classification Corrective procedures - hard & soft tissues Ridge extension and augmentation procedures	2 hours
08	Diseases of maxillary Sinus	Surgical anatomy, Acute & chronic sinusitis Oro antral fistula & Surgical approach for sinus	1 hour 1 hour
09	TMJ disorders	Surgical anatomy Subluxation & Dislocation Ankylosis Myofunctional pain dysfunction syndrome Internal derangement & Arthritis and other disorders	1 hour 1 hour 1 hour 1 hour 1 hour
10	Tumors of the oral Cavity	General considerations, Carcinoma of oral cavity, TNM classification Non odontogenic benign tumors - lipoma, fibroma, papilloma, ossifying fibroma, myoma etc Ameloblastoma Biopsy - types Outline of management of squamous cell carcinoma, surgery, radiotherapy, chemotherapy.	1 hour 1 hour 1 hour 1 hour 1 hour
11	Fractures of the jaws	General consideration, types of the fractures, etiology, C/F, and general principles. Dento-alveolar #methods of management Mandibular Fractures – Applied Anatomy, Classification Diagnosis – Clinical and Radiological Features	1 hour 1 hour

		<p>Management -# of condyle - aetiology, classification, clinical features and general principles of management reduction and fixation</p> <p>Fractures of middle third of the face, Definition of midface , applied surgical anatomy, classification, clinical features and outline of management</p> <p>Orbital fractures & # of Zygomatic complex</p> <p>Classification, C/F, indications for treatment, various methods of reduction and fixation.</p> <p>Complications - delayed union, non-union and malunion.</p>	<p>1 hour</p> <p>2 hour</p> <p>1 hour</p> <p>2 hours</p> <p>1 hour</p>
12	Developmental deformities	Basic forms, prognathism, retrognathism and open bite. Reasons for correction, Outline of surgical methods carried out on maxilla and mandible	4 hours
13	Salivary gland diseases	<p>Salivary calculi and Infections of the salivary glands its management</p> <p>Tumours of the salivary gland and management</p>	<p>1 hour</p> <p>1 hour</p>
14	Neurological disorders	<p>Trigeminal neuralgia - definition, etiology, C/F and methods of management including surgery.</p> <p>Glossopharyngeal and Facial paralysis - etiology, clinical features</p>	1 hour

		Nerve injuries - classification, neurorrhaphy etc.	1 hour
15	Cleft lip and cleft palate	Etiology, of the clefts, incidence, of dental surgeon in the management of cleft patients. Outline of the closure procedures. classifications role	4 hour

PRACTICAL AND CLINICALS: 200 HOURS

STUDENTS ARE REQUIRED TO LEARN THE FOLLOWING EXERCISES:

- Case history taking Examination of the patient Recording blood pressure
- Use of different instruments in Oral & Maxillofacial surgery Various local anaesthetic injection techniques on patients Extraction of mobile and firm teeth.
- Trans-alveolar extraction of root stumps Surgical removal of Simple impacted teeth.
- Management of dento-alveolar fractures with arch bar fixation, eyelets and inter-maxillary fixations.
- Training in basic life support skills.

PRACTICAL AND CLINICALS QUOTA

Clinical exercises	Quota	Category
Extraction of mobile and firm teeth	60 cases	must do
Trans-alveolar method of extraction with suturing	10 cases	must do

Surgical removal of Simple impactions	5 cases	Desirable to do
Management of dento-alveolar fractures with arch bar fixation, eyelets and inter-maxillary fixations	5 cases	Desirable to do
IM & IV Injection techniques	5 cases	Desirable to do
Assisting major surgical procedures under general anaesthesia	5 cases	Desirable to do
Training in Handling medical emergencies, CPR and basic life support		must do