

Course Title	Oral Surgery IV				
Course Code	DES465				
Course Type	Compulsory				
Level	Bachelor (1 st Cycle)				
Year / Semester	4 th year / 8 th semester				
Teacher's Name	TBA				
ECTS	4	Lectures / week	1 hrs / 13 weeks + exam week	Clinic / week	3 hrs / 13 weeks + 4 hrs / 6 weeks
Course Purpose and Objectives	<p>Oral Surgery IV is the course with clinical oral surgery practice. The course comprised of amphitheater lectures, clinical skill-stations, problem based learning modules, and hospital clinical training. This course aims to provide a motivating learning environment in which the students may acquire the surgical knowledge and the technical skills necessary for their clinical practice.</p> <p>The objective of the course is to familiarize students with instruments and materials in oral surgery, patient evaluation, local anesthesia, the surgical procedure, extractions teeth, on patients, complications in oral surgery dentofacial infections, cystic and mucosal lesion, odontogenic and non-odontogenic tumors and to enable the student to acquire knowledge and skills necessary of treating oral surgery problems.</p>				
Learning Outcomes	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> • Describe the most important aspects of anatomy and physiology applied to oral surgery. • Perform and record, a dental examination, mucous membranes and other structures of the mouth. • Describe the specific findings of the history and examination of the patient, which may influence surgical therapy. • Describe techniques intra and extraoral radiology. • Be competent to conduct an evaluation of data from the clinical history and establish a differential diagnosis, identify the factors contributing formulate a proper treatment plan and establish the prognosis. • Be competent to identify and diagnose mucosal pathology and know how to identify conditions that require treatment. 				

	<ul style="list-style-type: none"> • Discuss the diagnosis of oral-maxillofacial pathology and competent in identifying conditions that require our surgical treatment. • Define the concept, indications and contraindications biopsy as a complementary diagnosis and technique to perform the query. • Perform diagnostic techniques in oral pathology, including biopsy and other diagnostic techniques included. • Identify understand and manage barrier methods and clothing used in oral surgery. • Identify understand and manage instruments and materials most frequently used in oral surgery. • Identify understand and define the surgical periods. • Make recommendations and postoperative follow-up care. • List the types and characteristics of different incisions and sutures common oral surgery. • Recognize and identify complications of surgery. • Identify and list of odontogenic and non-odontogenic tumors. • Identify and management of non surgical orofacial pain. • Discuss the principles of temporomandibular joint surgery. 		
Prerequisites	None	Co-requisites	None
Course Content	<ul style="list-style-type: none"> • INITIAL EVALUATION AND MANAGEMENT OF THE ORAL AND MAXILLAFACIAL PATHOLOGY PATIENT obtaining the history, the physical examination, Imaging studies, Obtaining a tissue diagnosis. fine-needle aspiration biopsy, Open biopsy for lymphadenopathy, Management of premalignant disease, differential diagnosis of oral lesions • ODONTOGENIC AND NON ODONTOGENIC TUMORS OF THE JAWS I Odontogenic tumors, Classification, Treatment options for benign tumors of the jaws, Enucleation and curettage, Marsupialization Resection Reconstruction • ODONTOGENIC AND NON ODONTOGENIC TUMORS OF THE JAWS II Benign odontogenic tumors, Ameloblastomas Solid/multicystic ameloblastoma Unicystic ameloblastoma Extraosseous/peripheral ameloblastoma keratinizing odontogenic tumor Squamous odontogenic tumor Calcifying epithelial odontogenic tumor, Adenomatoid odontogenic tumor Ameloblastic broma/fibroblastoma Odontoma, complex and compound type Odontoameloblastoma Calcifying cystic odontogenic tumor Odontogenic fibroma Cementoblastoma 		

- **ODONTOGENIC AND NON ODONTOGENIC TUMORS OF THE JAWS III** Non odontogenic benign tumors, Ossifying fibroma, Fibrous dysplasia, Osseous dysplasias, Central giant cell lesion, Aneurysmal bone cyst, Cherubism, Simple bone cyst, Odontogenic carcinomas: Ameloblastic carcinoma, Clear cell odontogenic carcinoma, Odontogenic sarcomas, Non Odontogenic malignant jaw tumors: Osteosarcoma, Chondrosarcoma, Ewing sarcoma, Metastatic carcinoma.
- **MUCOSAL LESIONS** Potentially malignant disorders of the oral mucosa: Leukoplakia, Erythroplakia, Oral lichen planus, early detection and diagnosis, Management.
- **OUTCOMES OF MANAGEMENT OF ORAL PATHOLOGY LESIONS** Survival, Tumor recurrence rates, Complications, donor site morbidity, free flap loss, plate infection and removal, Function, mandibular resection, maxillectomy oral rehabilitation.
- **DIAGNOSIS AND NON SURGICAL MANAGEMENT OF OROFACIAL PAIN** Head neck, and orofacial pain classifications, Musculoskeletal cervical and temporomandibular disorders, Classification of articular disorders , Muscular disorders Assessment of musculoskeletal disorders Management of musculoskeletal disorders
- **TEMPOROMANDIBULAR JOINT SURGERY** Development of temporomandibular joint surgery, Classification of surgical TMJ disease, surgical approaches to the TMJ, Reciprocal clicking, Mandibular dislocation, Chronic closed lock and osteoarthritis, TMJ trauma, TMJ abnormalities, TMJ tumors.
- **TEMPOROMANDIBULAR JOINT ARTHROSCOPY** Diagnostic arthroscopy, Arthroscopic procedure , Arthroscopic surgery , Postoperative care, Complications
- **TEMPOROMANDIBULAR JOINT RECONSTRUCTION** Autogenous reconstruction : Costochondral grafts for condylar replacement , fibula grafts for condylar replacement , Autogenous reconstruction of the fossa, Prosthetic reconstruction of the TMJ : Surgical considerations in prosthetic TMJ reconstruction , Treatment expectations after prosthetic reconstruction of the TMJ

	<ul style="list-style-type: none"> The students are assessed by a final written exam comprised of multiple choice questions and short clinical problems. The acquired clinical skills are tested with Objective Structured Clinical Examinations (OSCEs). Team based clinical problem analysis with oral presentation as well as lab & class participation are also graded. 								
Teaching Methodology	Face-to-face								
Bibliography	<p>Andersson L, Kahnber K-E, Pogrel MA. Oral and Maxillofacial Surgery. Hoboken, New Jersey: Wiley-Blackwell, 2010.</p> <p>Kademani D, Tiwana PS. Atlas of Oral and Maxillofacial Surgery. Philadelphia: Saunders Elsevier, 2016.</p> <p>Hupp JR, Tucker MR, Ellis E. Contemporary Oral and Maxillofacial Surgery. St. Louis: Mosby, 2013.</p> <p>Miloro M, Ghali GE, Larsen PE, Waite PD. Peterson's Principles of Oral and Maxillofacial Surgery. Beijing: People's Publishing Medical House, 2014.</p> <p>Bagheri SC. Clinical Review of Oral and Maxillofacial Surgery. St. Louis: Mosby, 2013.</p>								
Assessment	<table border="1"> <tr> <td>Final Examination</td> <td>60%</td> </tr> <tr> <td>Laboratory / Clinical Work / Oral presentations</td> <td>30%</td> </tr> <tr> <td>Participation and attendance</td> <td>10%</td> </tr> <tr> <td>Total</td> <td>100%</td> </tr> </table>	Final Examination	60%	Laboratory / Clinical Work / Oral presentations	30%	Participation and attendance	10%	Total	100%
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Language	English								