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| Course Title | Oral Surgery III | | | | |
| Course Code | DES420 | | | | |
| Course Type | Compulsory | | | | |
| Level | Bachelor (1 st Cycle) | | | | |
| Year / Semester | 4 th year / 7 th semester | | | | |
| Teacher's Name | TBA | | | | |
| ECTS | 4 | Lectures / week | 1 hr / 13 weeks + exam week | Clinic / week | 3 hrs / 13 weeks |
| Course Purpose and Objectives | <p>Purpose: Oral Surgery III 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>Objectives: 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 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"> • Discuss 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 • 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 • Identify and manage barrier methods and clothing used in oral surgery • Identify and manage instruments and materials most frequently used in oral surgery | | | | |

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| | <ul style="list-style-type: none"> • Identify and define the surgical periods, the surgical management of impacted teeth, the endodontic surgery, the preprosthetic and oral soft tissues surgery, the principles of healing after autotransplantation and implants surgery basic concepts and techniques • Make recommendations and postoperative follow-up care • List the types and characteristics of different incisions and sutures common oral surgery. • Identify and list cystic lesion of the jaws • Recognize and identify complications of surgery • List the indications and contraindications for extraction. • Identify, understand and manage the usual instruments used in tooth extraction • Describe and perform the techniques in the extraction of each tooth group. • Describe and practice the various techniques for surgical removal • Identify and list the complications that can arise during tooth extraction • Recognize and identify those factors that influence tooth retention. | | |
| Prerequisites | None | Co-requisites | None |
| Course Content | <ul style="list-style-type: none"> • SURGICAL MANAGEMENT OF THIRD MOLAR I definitions and terminology , presurgical assessment of third molars, indications for removal of third molar, classification systems for mandibular third molar impactions, root morphology, relationship to inferior alveolar nerve, presurgical management, risk assessment , grade difficulty. • SURGICAL MANAGEMENT OF THIRD MOLAR II Anxiety and pain relief, Surgical procedure, surgical extraction of the molar, complication associated with treatment. • CURRENT CONCEPTS AND STRATEGIES FOR THIRD MOLAR REMOVAL Natural history of third molar impaction, General aspects on clinical decision making, Indications for third molar removal, Therapeutic indication, prophylactic indication, complications associated with third molar, contraindication • SURGICAL TREATMENT OF IMPACTED TEETH OTHER THAN THIRD MOLARS, Definitions, radiographic evaluation, Treatment planning , Orthodontic considerations, Surgical considerations, | | |

Surgical management, surgical removal, exposure and bonding guide eruption, postoperative management and complications..

- **ENDODONTIC SURGERY**, Introduction, initial clinical assessment, root canal infections, Apicectomy procedures, preoperative imaging, Equipment and materials, surgical procedures, Wound closure, postsurgical management.
- **PREPOSTHETIC AND ORAL SOFT TISSUES SURGERY I**, Primary indications of surgical procedures, Minor preprosthetic procedures, Alveoloplasty along with tooth removal, Treatment of exostosis, Reduction of genial tubercles, Reduction of mylohyoid ridge , Removal of tori, Recontouring of soft tissues, Vestibuloplasty, preoperative evaluation, Surgical techniques
- **PREPOSTHETIC AND ORAL SOFT TISSUES SURGERY II** Adjunctive and supportive surgical techniques: Socket preservation, ridge splitting, bone grafting. Lasers in preprosthetic surgery
- **AUTOTRANSPLANTATION OF TEETH**, Donor teeth, Indications. Principles of healing after autotransplantation, principles of surgery, surgical techniques, Postoperative care.
- **INTRODUCTION TO IMPLANTS SURGERY BASIC CONCEPTS** Biological principles behind osseointegration, implant stability and loading considerations, Bone tissue responses to implants, The marginal tissues, Implant components, Indications for implant treatment, Contraindications, treatment planning, Clinical examination, Radiographic examination, Model analyses, Surgical procedure, Maintenance, Computer-guided implant treatment
- **CYSTIC LESIONS OF THE JAWS**
Odontogenic cysts: Apical or radicular cysts, Residual cysts, Dentigerous cysts, Gingival cysts, Odontogenic keratocyst, Calcifying epithelial odontogenic cyst.
Non-odontogenic cysts: Median mandibular cysts, Nasopalatine cysts,
Non-epithelially lined cysts, Soft tissue cysts,
- 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

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| | 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 | <p>Final Examination</p> <p>Laboratory / Clinical Work / Oral presentations</p> <p>Participation and attendance</p> <p>Total</p> | <table border="1"> <tr> <td>60%</td> </tr> <tr> <td>30%</td> </tr> <tr> <td>10%</td> </tr> <tr> <td>100%</td> </tr> </table> | 60% | 30% | 10% | 100% |
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| Language | English | | | | | |