Department of Oral Surgical Sciences

Division of Oral and Maxillofacial Surgery

Courses offered:

**OSRG 312-Anesthesia**
Credit:1 (1Lec.,1Pract.) Prerequisite PHRM 211

The course provides students with the basic concepts of pain and principle of pain control in dentistry, properties of local anesthetic solution, local anesthesia techniques and management of local and systemic complications of local anesthesia. Sedation, general anesthesia, first aid principle, cardiopulmonary resuscitation are also emphasized.

**OSRG 411-Oral Surgery I**
Credit:3 (2 Lec., 2 Clin.) Prerequisite Preclinical phase

Presents review of applied anatomy and patient history taking. Anatomy of individual teeth and steps of extraction using forceps and elevators. In addition, the course focuses on different methods of surgical extraction and steps for removal of impacted teeth, as well as prevention and management of complications of surgery. Also this course gives students a background on how to diagnose maxillary sinus problems related to odontogenic causes and how to avoid and manage such cases as well as management of medically compromised patients.

**OSRG 412-Oral Surgery II**
Credit:3 (2 Lec., 2 Clin.) Prerequisite OSRG 411

The course focuses on preprosthetic procedures for both soft and hard tissues to prepare oral cavity for proper denture and implant procedures. Diagnosis and management of maxillofacial tumors with focus on different diagnostic methods and treatment modalities with reconstruction for both soft and hard tissue. Treatment and management of salivary gland disease including infection and obstruction. Also treatment of cleft lip and palate and treatment of jaw development abnormalities by orthognathic surgery.

**OSRG 511-Oral and Maxillofacial Surgery**
Credit:2 (1 Lec., 2 Clin.) Prerequisite OSRG 412

Provides the students with comprehensive knowledge about odontogenic infections, fascial spaces’ anatomy and their importance in maxillofacial infection. Odontogenic cyst classification, diagnosis and methods of treatment.

**OSRG 512-Oral Surgery and Implantology**
Credit:3 (2 Lec., 2 Clin.) Prerequisite OSRG 511

Provides the students with knowledge about maxillofacial trauma: Causes, classification, diagnosis, methods of treatment, first aid management, tempromandibular joint diseases with surgical and non surgical management. Causes and management of facial pain of odontogenic origin. Dental implants diagnosis and treatment planning, surgical steps, types and management of complications.
Division of Periodontology
Courses offered:

**PERI 412-Periodontology I**
Credit: 2 (1 Lec., 2 Clin.) Prerequisite ODTP 411

Introduces the students to the importance of periodontics. Emphasis will be placed on understanding the basic micro and macro anatomy of periodontium healthy tissue as well as its physiology and function. The course will focus on the etiology, clinical and histopathological aspects of periodontal diseases, plaque control and clinical periodontal charting.

**PERI 511-Periodontology II**
Credit: 3 (2 Lec., 2 Clin.) Prerequisite PERI 412

The course covers periodontal response to external forces, periodontal pocket, periodontal abscess, furcation involvement, bone loss and patterns of bone destruction, chronic periodontitis, aggressive periodontitis, periodontitis as a manifestation of systemic diseases, necrotizing ulcerative periodontitis, effect of AIDS on the periodontium. It also covers prognosis and treatment of different periodontal diseases: Chemotherapeutic agents, surgical phase of periodontal therapy, gingival curettage and gingivectomy technique. Treatment plan, principles of periodontal instrumentation, scaling and root planing.

**PERI 512-Periodontology III**
Credit: 2 (1 Lec., 2 Clin.) Prerequisite PERI 511

The course focuses on treatment planning, principles of periodontal surgery, different surgical techniques for treatment of periodontal diseases as flap, osseous surgery, treatment of furcation involvement, mucogingival surgery and oral implantology.

Division of Implantology
Courses offered:

**OSRG 512-Oral Surgery and Implantology**
Credit: 3 (2 Lec., 2 Clin.) Prerequisite OSRG 511

Provides the students with knowledge about maxillofacial trauma: Causes, classification, diagnosis, methods of treatment, first aid management, tempromandibular joint diseases with surgical and non surgical management. Causes and management of facial pain of odontogenic origin. Dental implants diagnosis and treatment planning, surgical steps, types and management of complications.