



مفردات المقررات لقسم طب الأسنان المستوى الرابع

1) Endodontic 2

on completion of the course, the students should be able to:

1. Diagnose pulp and periapical diseases precisely and make proper treatment plan to control Treated clinical cases.
 2. Enumerate indications for vital pulp therapy modalities and perform their techniques.
 3. Identify different endodontic emergencies and traumatic injuries along with their diagnosis, Classification and management.
 4. Select and perform proper restoration of endodontically treated teeth.
 5. Classify Endo-Perio diseases and describe the effect pulpal diseases and endodontic Procedures on periodontium, and the effect of periodontal diseases and procedures on pulp.
 6. Distinguish between successful and unsuccessful root canal treatment and list proper Treatment options for lm successful cases.
- ### 2) Fixed prosthodontic 2

this course aims to:

1. Prepare students psychologically in dealing with patient compensation and needs.
 2. Enable student academically and practically to minke diagnosis and treatment plan for a patient in need of a fixed prosthodontics.
 3. Define and explain all types of fixed prosthesis in terms of composition, indications and contraindications.
 4. Train students clinically on patient cases and practically in the labs about the manufacturing of meta Ceramic crowns starting from diagnosis to final cementation.
- ### 3) Gen. Surgery & ENT

Course Aims are to:

1. Recognize the students with the anatomy of the ear, nose, throat and head & neck.
2. Demonstrate knowledge of signs and symptoms of surgical diseases of the ear, nose, throat and head & neck for students.
3. Provide the a basic knowledge of common and urgent surgical problems
4. Formulate a reasonable different diagnosis basis of surgical problems.
5. Teach the students the principles to deal with common urgent surgical problems, surgical diseases, complications, and of the ear, Nose, Throat and head & neck..

4) Medically copromized

1. Knowledge and understanding the clinical setup ofemergency materials, tools and drugs.
2. Knowledge and understanding the dental management of patients with cardiac diseases, Hypertension, diabetes, renal diseases, liver diseases, thyroid diseases and female patients during Pregnancy and lactation .
3. Recognition and management ofallergic reactions.



4. demonstration of patients with bleeding disorders and patients under anticoagulant medications and their management .
 5. Dental management of patients with neurological disorders.
 6. Dental management of patients with organ transplant.
- 5) operative dentistry 3

This course aims to:

1. Teach the students how to make a diagnosis and treatment plan for different type of carious lesions .
 2. Provide knowledge about the management of dental carious lesion
 3. Teach students the instruments and equipments used in dental clinics for dental hard tissue cutting and Removal.
 4. Train the students the techniques of teeth preparation and restoration
 5. Train the students to participate in dental health education
- 6) Oral medicine

by the end of the course the students should be able to;

1. Communicate with the patient and establish appropriate patient dentist relationship.
 2. obtain and record comprehensive history (dental and medical) and perform an appropriate Physical examination including lymph nodes, extra and intra-oral examinations.
 3. Interpret the findings and recognize proper further investigations.
 4. Be able to identify the need to referral to specialist in situations demanding the same.
 5. Be knowledgeable about patho-physiology, differential diagnosis, and treatment plan of the Diseases affecting oral mucosa and para-oral structures including the salivary glands.
 6. Establish diagnosis for the common oral diseases and formulate and rationalize preliminary treatment plan for their patients.
- 7) Oral surgery
1. Knowledge and understanding of the general health status and systemic diseases of the patients, How to manage them and how to do a proper treatment plan with supervisor assistance.
 2. Acquisition of student for the technical skills for administration of all types of local anesthesia. And the knowledge of the different proper local anesthetic and simple teeth extraction instruments and complications with their management.
 3. Study, diagnosis and evaluation of unerupted and impacted teeth and their management, also Knowledge of laps, types, designing, reflection and bone removal.
 4. Knowledge and understanding of the acute (dental, oral, bone, jaws and neck) infections, their differential diagnosis and management.
 5. Knowledge and evaluation for all types of (oral, jaws and neck) cysts and tumors, their Differential diagnosis and management.



6. Knowledge of prescription of antibiotics, analgesics, types, doses, indications, Contraindications.
- 8) Orthodontics 1
 1. Describe the major sites of growth and types of bone growth in the cranial base, nasomaxillary Complex, and the mandible and how differential growth of the craniofacial components contributes To changes in size, shape and proportions ofcraniofacial structures.
 2. Identify and analyze anatomic landmarks in cephalometric radiographs.
 3. Demonstrate the basic principles of orthodontic wire bending and develop the manual dexterity and skills in involved in wire bending, and the construction of various retentive and active components of removable orthodontic appliances.
 4. Confidently detect and understand an abnormality in the development and eruption of primary And pemiancl teeth .
- 9) Pedodontics 1

This course aims to :

1. . Give the student all the topics and information that define of Pediatric dentistry and the importance of its applications.
 2. Giving the student skill in the entire process of data collection and personal Medical history to reach an accurate diagnosis of the disease and the development of Dental treatment plan on the level of preventive and restorative .
 3. Give students an understanding and knowledge about the descriptive anatomy , The stages of growth and development of the deciduous and permanent teeth , and How to distinguish between them and how To deal with this anatomical shape during Operative dental procedure,
 4. Provide the student knowledge how to manage oral health of children and adolescents during dental treatment for taking considerations of growth and Development of child.
 5. Introduce students to the importance of preventive measures to reduce the Incidence of oral diseases in children .
 6. Expand the clinical work time of the child on the dental chair by using various Hypnotics such as nitrous oxide and general anesthesia .
 7. Introduce students to how to deal with disabled children and children who suffer From systemic diseases that require certain precautions to prevent complication Before, during and after dental treatment .
- 10) Periodontology1.

This Course aims to:

1. Identify the normal periodontal structure and recognize their relation to their function.
2. Describe the etiology and pathogenesis of periodontal disease.
3. Identify the latest classification of periodontal disease.
4. Know and understand systemic condition and environmental factors and its implication on Periodontal disease management and prevention
5. Study all types of periodontal disease to make the proper diagnosis before treatment.



11) Removable prosthodontics 3.

The main aim of this theoretical part of the course is to prepare final year students to be dental Practitioners who can prove objectively that they possess the adequate level of knowledge they need to treat Patients who require different types of removable prosthetic reconstructions. This course is designed to Improve skills and provide more advanced information for utilizing conventional and non-conventional

Removable prosthodontics for the management of completely/partially edentulous patients. It also provides the Students with more advanced levels of knowledge regarding the principles and practice of complete dentures, Partial dentures, treatment planning, copy dentures, over dentures, attachments, maxillofacial prosthodontics, Pre-prosthetic surgery, implants and dental technology in relation to prosthetic dentistry.

This clinical course concludes the last sequence of removable prosthodontic courses leading to a Professional degree in dentistry. Experience attained to complete this level brings the student to a point of Self-assessment. The student should make sound judgment independent of the instructor. The overall abilities Should also show the formation of the student's progress to the point of attaining competency. This course is Designed to develop clinical skills and provide information for utilizing removable prosthodontics (conventional and non-conventional complete and partial dentures) for the management of Completely/partially edentulous patients.

1. Provide students with more advanced current and updated information and sufficient theoretical Background to assist them in managing completely/partially edentulous patients using conventional) and Non-conventional removable prosthodontics. This is in the form of lectures.
2. Prepare students for the clinics to be familiar with all clinical and laboratory steps in conventional and Non-conventional complete denture and Transitional/Definitive removable partial denture construction And how to manage edentulous patients
3. Learn how to communicate with other professionals especially dental technicians by the work Authorization.
4. Provide students with sufficient and more advanced theoretical background to assist them in managing edentulous and partially dentate patients. This is in the form of slide show and lectures on the various steps involved in fabrication and Conventional and non-conventional complete and removable partial dentures.