

Faculty of Oral & Dental Medicine

Clinical Restorative Dentistry

Information :

Course Code : CONS 515

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Faculty of Oral & Dental Medicine

Instructor Information :

Title	Name	Office hours
Professor	AHMED ZOHEIR HASSAN ELHOSHY	
Professor	Essam Eldin Abdelhafez Ahmed Nageib	
Associate Professor	Sara Mohamed Hany Ali Younis	
Associate Professor	Rasha Hassan Aly Afifi	1
Lecturer	AHMED MOHAMED FOUAD KHALED	2
Lecturer	OMAR NADER GALAL EZAT AMER	
Lecturer	SHERIF MOHAMED MOHAMED ABDELMONEIM KHADR	
Assistant Lecturer	Hadeel Hamza Mohamed Mohamed Al Salamony	
Assistant Lecturer	Rowayda Anwar Hosny Ibrahim El tarawy	
Assistant Lecturer	Amr Mohamed Marzouk Nadiem Abouelenien	
Assistant Lecturer	Laila Akmal Emad Eldien Zaghloul El okaly	
Assistant Lecturer	BASSMA REDA ABDELHAFIZ MOHAMED HASSAN	
Assistant Lecturer	Akram Gamal Mousa Ali Diab	
Teaching Assistant	Ahmed Diao Eldin Abou Elseoud Ibrahim	
Teaching Assistant	Ahmed Mohamed Sayed Ibrahim Elruby	
Teaching Assistant	Reham Mohamed Abdelrafeea Elshafei	
Teaching Assistant	Ahmed Mohamed Hossam Ibramim Saleh Elmoety	
Teaching Assistant	Amr Nabil Bayoumi Ibrahim Shaheen	
Teaching Assistant	Mario Ehab Fahmy Gendy	
Teaching Assistant	Yahya Ahmed Hussein Elsadek	
Teaching Assistant	Christeen George Adel Mekael	
Teaching Assistant	Mohamed Alaa Eldin Mostafa Zoghdan	
Teaching Assistant	Mahmoud Essam Mahmoud Abdelmoneim Mohamed	

Area Of Study :

This is the third in a series of three courses that are designed to teach the etiology, diagnosis, treatment and prevention of the disease, dental caries and its sequel, developmental disturbances, and regressive alterations that can occur to the teeth. In this final course the curriculum is tailored to match specific subjects that are the core to the continual improvement of operative dentistry. This curriculum enables the upcoming practicing dentists to expand their skills and knowledge through the available subjects that include: conservative approach, esthetic considerations, non carious lesions, bonding to tooth tissues.

Description :

understanding conservative approach, bonding and adhesion, esthetic consideration in operative dentistry and management of non-carious lesions.

Course outcomes :

a. Knowledge and Understanding: :

1 -	Conservative approach in restorative dentistry
2 -	Compare between Black's principles of extension for prevention and the recent conservative approach
3 -	Discuss the main causes that caused the actual shift in the concepts and record the essentials to allow conservative.
4 -	Sort the advanced diagnosis tools and the minimal and non-invasive cutting tools required to apply the conservative and biological model of treatment.
5 -	Sketch the recent conservative cavity designs and estimate when to be used
6 -	- Esthetic consideration on operative dentistry: "List the components of the esthetic formula, causes of esthetic defects and objectives of restoring esthetic "Categories the limiting problems in restoring esthetic and to what extend these problems can be solved. "Describe the mechanism of color perception, and color parameters "List the factors affecting the optical qualities of an object and the requirements for correct color determination "Solve some esthetic problems and plan for esthetic cavity design using different restorative materials and techniques.
7 -	- Bonding to tooth tissues : "Define bonding and discriminate between different bonding mechanisms. "List the factors essential for a successful adhesive junction and the requirement for an ideal dentin bonding agent. "Compare between bonding to enamel and bonding to dentin and correlate between the properties of the tooth structure and its influence on the bonding mechanism. "Outline the development performed in dentin bonding systems and classify them. "Discuss factors affecting bonding to tooth structure
8 -	- Indirect esthetic restorations "Classify the indirect restorations and list the indications and contraindications of indirect esthetic inlays "Outline different techniques for fabrication of composite resin inlays and the advantage and disadvantage "Describe different types of ceramic inlays "Explain the placement technique of indirect composite and ceramic inlays.
9 -	- Management of non-carious lesions "List and differentiate between different non-carious lesions "Point out causes of different non carious lesions and describe how they appear clinically. "Report on the treatment plan of different non-carious lesions

c. Professional and Practical Skills: :

1 -	The student will be able to perceive the patients and prepare the operating position and field accurately (Either using the two hand technique or the four hand technique)
2 -	the student should be able to perform all cavity preparations design to receive different restorative materials according to the patient conditions.
3 -	student should be able to perform all cavity preparations designs to receive different restorative materials according to the patient conditio

d.General and Transferable Skills: :

1 -	demonstrate appropriate professional attitudes and behavior in dealing with staff members & helping personnel and patients.
2 -	Apply the information technology as a mean of communication for data collection and analysis and for life-long learning

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Conservative approach in restorative dentistry	7	Conservative Approach (1)	
Esthetic considerations in operative dentistry	7	Conservative Approach (2)	
Bonding to tooth tissues	7	Conservative Approach (3)	
Management of non carious lesions	7	Bonding and Adhesion (1)	

Teaching And Learning Methodologies :

Knowledge and intellectual skills
Lectures, assignments, Laboratory small group tutorials
Motor and manipulative skills (Practical Skills):
Small group sessions
Practicing to imitate and to manipulate the desired clinical cases within the schedule time

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
1st Mid Term Examination	15.00	6	assess knowledge and understanding
2nd Mid Term Examination	15.00	11	assess knowledge and understanding
Final Practical Examination	15.00		
Final Written Examination	25.00		
Oral Examination	10.00		assess knowledge and intellectual skills
Practical Requirement	20.00		assess practical skills & general skills

Course Notes :

Department Hand-Outs : available for all students.
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