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	Essam Eldin Abdelhafez Ahmed Nageib	
Associate Professor	Sara Mohamed Hany Ali Younis	
Associate Professor	Rasha Hassan Aly Afifi	2
Associate Professor	Rasha Hassan Aly Afifi	2
Lecturer	Laila Akmal Emad Eldien Zaghloul El okaly	
Lecturer	AHMED MOHAMED FOUAD KHALED	2
Lecturer	OMAR NADER GALAL EZAT AMER	
Lecturer	SHERIF MOHAMED MOHAMED ABDELMONEIM KHADR	
Assistant Lecturer	Rowayda Anwar Hosny Ibrahim El tarawy	
Assistant Lecturer	Hadeel Hamza Mohamed Mohamed Al Salamony	
Assistant Lecturer	OMNIA MOHAMED SAMY MOSTAFA MOSTAFA GAROUDA	
Assistant Lecturer	Akram Gamal Mousa Ali Diab	
Assistant Lecturer	Amr Mohamed Marzouk Nadiem Abouelenien	
Assistant Lecturer	BASSMA REDA ABDELHAFIZ MOHAMED HASSAN	
Assistant Lecturer	OMNIA MOHAMED SAMY MOSTAFA MOSTAFA GAROUDA	
Assistant Lecturer	BASSMA REDA ABDELHAFIZ MOHAMED HASSAN	
Teaching Assistant	Rama Soliman Abdo Alsharquawi	
Teaching Assistant	Lara Yasser Elsayed Ibrahim Shabara	
Teaching Assistant	Mahmoud Essam Mahmoud Abdelmoneim Mohamed	
Teaching Assistant	Reham Mohamed Abdelrafeea Elshafei	
Teaching Assistant	Mennat Allah Ali Hassan Elshazly	
Teaching Assistant	Nora Mohamed Zaghlol Sherif	
Teaching Assistant	Nada Shazly Seif Eldeen Mohamed	
Teaching Assistant	Dina Mahmoud Hussein Mohamed Awad	
Teaching Assistant	Rawan Wael Mohamed Serage	
Teaching Assistant	Rama Soliman Abdo Alsharquawi	
Teaching Assistant	Lara Yasser Elsayed Ibrahim Shabara	

Teaching Assistant	Mary Mikail Azmy Mikail	
Teaching Assistant	Omar Mohamed Abdelkader Mohamed Hassan	
Teaching Assistant	Abdul Rahman Ahmed Mohamed Ahmed Abdel Aati	
Teaching Assistant	Abdelrahman Salah Abdelrahman 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 squeal, 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 managment of non-carious lesions.

Course outcomes :

a.Knowledge and Understanding: :

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

c.Professional and Practical Skills: :	
1 -	student should be able to perform all cavity preparations designs to receive different restorative materials according to the patient conditio
2 -	the student should be able to perform all cavity preparations design to receive different restorative materials according to the patient conditions.
3 -	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)
d.General and Transferable Skills: :	
1 -	Apply the information technology as a mean of communication for data collection and analysis and for life-long learning
2 -	demonstrate appropriate professional attitudes and behavior in dealing with staff members & helping personnel and patients.

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.