

Faculty of Oral & Dental Medicine
Clinical Restorative and Esthetic Dentistry

Information :

Course Code : RESTE 413 **Level :** Undergraduate **Course Hours :** 2.00- Hours

Department : Faculty of Oral & Dental Medicine

Area Of Study :

This course is to present the general information necessary to understand the fundamentals of the clinical course of operative dentistry:

a- To enable the student to understand and apply the basic clinical principles of operative dentistry including (patient reception, examination, diagnosis, treatment planning, infection control, moisture control and control of pain, bonding).

b- To enable the student to select the suitable restorative materials.

c- To enable the student to apply the gained information about the available restorative materials clinically

Description :

Patient Assessment - Examination . Diagnosis and treatment plan, Sterilization and Infection Control, Selection of restorative material, Introduction to adhesion, Control of dental fear and Pain, Temporary restorations and health hazards, Moisture control

Course outcomes :

a. Knowledge and Understanding: :

1 -	a1- List different methods of diagnosis and examination of caries, restorations, periodontium, and occlusion.
2 -	a2- recognize the principles of infection control and universal precaution techniques used in dental practice for the dentist and his/her staff and patients.
3 -	a3- List the reasons and methods for moisture control.
4 -	a4- Describe the rationale for using the rubber dam.
5 -	a5- list different methods of pain control in the operative field including the advantages and disadvantages of each technique.
6 -	a6- list different types of temporary restoration and when to use it.
7 -	a7- Understand health hazards that can develop in the operating room and how to deal with them.
8 -	a8-Define different terminologies related to dental adhesion.
9 -	a9- list the requirements of good adhesion and the objective of etching and bonding of different tooth tissues.
10 -	a10- Classify different dentin bonding systems including their indications.
11 -	a11- Classify the restorative materials and their indications.
12 -	a 12- Describe different factors affecting selection of the available restorative material.

b. Intellectual Skills: :

1 -	b1- Analyze signs and symptoms for common dental complaints.
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2 -	b2- correlate findings from history, clinical, radiographic, and other diagnostic tests to formulate a differential diagnosis list.
3 -	b3- Develop properly sequenced treatment plan.
4 -	b6- Differentiate between the techniques of application of the available bonding systems.

c. Professional and Practical Skills: :

1 -	c1- Prepare the operating position and the field accurately.
2 -	c2- Prepare simple and compound cavities on a dental simulator.
3 -	c3- Restore simple and compound cavities with different restorative materials.
4 -	c4- Perform isolation of the operating field (rubber dam, clamps, gingival retractors, and frames).
5 -	c5- Apply different techniques of bonding.
6 -	c6- Apply different dentin substitute in deep cavities.

d. General and Transferable Skills: :

1 -	d1- Manage time effectively.
2 -	d2- Handle emergence situations professionally.
3 -	d3- Work in a team collaboratively.

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Patient Assessment - Examination . Diagnosis and treatment plan			
Sterilization and Infection Control			
Selection of restorative material			
Introduction to adhesion			
Control of dental fear and Pain			
Temporary restorations and health hazards			
Moisture control			

Teaching And Learning Methodologies :

Lectures with discussions
Practical demonstrations.
E- learning.
Practical requirements.

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Logbook to assess practical requirements.	10.00		Oral Examination
Oral examination / sheets to assess knowledge and understanding.	15.00		Final Practical Examination

Practical examination to assess practical, intellectual, and general skills.	25.00		Class work
Written examination to assess knowledge and understanding.	25.00		Mid Term Examinations

Course Notes :

Course notes on the moodle platform

Recommended books :

online text book: Contemporary Approach in Operative Dentistry