

## Faculty of Oral & Dental Medicine

### Clinical Restorative Dentistry

#### Information :

**Course Code :** CONS 413

**Level :** Undergraduate

**Course Hours :** 2.00- Hours

**Department :** Faculty of Oral & Dental Medicine

#### Instructor Information :

| Title               | Name                                        | Office hours |
|---------------------|---------------------------------------------|--------------|
| Professor           | Essam Eldin Abdelhafez Ahmed Nageib         | 2            |
| Associate Professor | Rasha Hassan Aly Afifi                      | 12           |
| Associate Professor | Sara Mohamed Hany Ali Younis                |              |
| Lecturer            | Laila Akmal Emad Eldien Zaghloul El okaly   |              |
| Lecturer            | OMAR NADER GALAL EZAT AMER                  | 1            |
| Assistant Lecturer  | OMNIA MOHAMED SAMY MOSTAFA MOSTAFA GAROUDA  |              |
| Assistant Lecturer  | Akram Gamal Mousa Ali Diab                  |              |
| 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  | BASSMA REDA ABDELHAFIZ MOHAMED HASSAN       |              |
| Teaching Assistant  | Mahmoud Essam Mahmoud Abdelmoneim Mohamed   |              |
| Teaching Assistant  | Omar Mohamed Abdelkader Mohamed Hassan      |              |
| Teaching Assistant  | Lara Yasser Elsayed Ibrahim Shabara         |              |
| Teaching Assistant  | Mary Mikail Azmy Mikail                     |              |
| Teaching Assistant  | Abdul Rahman Ahmed Mohamed Ahmed Abdel Aati |              |

#### Area Of Study :

This is the second in a series of three courses that are designed to teach the etiology , diagnosis , treatment and prevention of the disease , dental caries and its sequelae , developmental , disturbances , and regressive alterations that can occur to the teeth.

The aim of this course is to present the general information necessary to understand the fundamentals of the clinical course of operative dentistry :

- To enable the student to understand and apply the basic clinical principles of operative dentistry that constitutes the main demands of the daily practice which includes different patients management during and after the treatment ( patient reception , examination , diagnosis , treatment planning , infection control , moisture control and control of pain ).
- To enable the student to understand principles of caries control and management .
- To enable the student to be familiar with the available restorative material and their selection .
- To enable the student to apply the gained information about the available restorative materials clinically

**Description :**

understanding patient assessment, examination, diagnosis and treatment planning. Sterilization and infection control. Moisture control. Management of deep caries and esthetic restoration of posterior teeth. Control of pain, temporary restorations, and health hazards.

**Course outcomes :**

**a. Knowledge and Understanding: :**

|      |                                                                                                                                                                                                                                                                                                                                                                                     |                           |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| 1 -  | Describe the appropriate patient position and identify the requirements regarding the operative positions .                                                                                                                                                                                                                                                                         | which should be fulfilled |
| 2 -  | Infection control.                                                                                                                                                                                                                                                                                                                                                                  |                           |
| 3 -  | Describe and apply the principles of infection control and universal precaution techniques used in dental practice.                                                                                                                                                                                                                                                                 |                           |
| 4 -  | Describe the importance of infection control techniques to the dentist and his staff and patients.                                                                                                                                                                                                                                                                                  |                           |
| 5 -  | Examination of the patient                                                                                                                                                                                                                                                                                                                                                          |                           |
| 6 -  | Perform a comprehensive patient evaluation that collects patient history including medication , chief complaint , biological , behavioral , cultural and socioeconomic information needed to assess the patient's medical and oral condition                                                                                                                                        |                           |
| 7 -  | Diagnosis                                                                                                                                                                                                                                                                                                                                                                           |                           |
| 8 -  | Perform a differential provisional , or definitive diagnosis by interpreting findings from the history and the patient interview , the clinical and radiographic examination , and other diagnostic tests and develop a problem list                                                                                                                                                |                           |
| 9 -  | Treatment Planning                                                                                                                                                                                                                                                                                                                                                                  |                           |
| 10 - | Develop properly sequenced , alternative treatment plans as appropriate to achieve patient satisfaction and that considers the patient's medical history and all the diagnostic data ; to discuss the diagnosis and treatment options to obtain informed consent ; and to modify the accepted plan based upon regular evaluation , unexpected situations , or special patient needs |                           |
| 11 - | Isolation of the operating field                                                                                                                                                                                                                                                                                                                                                    |                           |
| 12 - | List the reasons and methods for moisture control                                                                                                                                                                                                                                                                                                                                   |                           |
| 13 - | Describe the rational for using the rubber dam                                                                                                                                                                                                                                                                                                                                      |                           |
| 14 - | Demonstrate the proper placement and use of the rubber dam , clamps , gingival retractor and frame to achieve field isolation                                                                                                                                                                                                                                                       |                           |
| 15 - | Describe Materials , techniques , and processes involved with management of deep carious lesion                                                                                                                                                                                                                                                                                     |                           |
| 16 - | Temporary restoration                                                                                                                                                                                                                                                                                                                                                               |                           |
| 17 - | Health hazards in operation room                                                                                                                                                                                                                                                                                                                                                    |                           |

**b. Intellectual Skills: :**

|     |                                                                                                  |
|-----|--------------------------------------------------------------------------------------------------|
| 1 - | Analyze symptoms & signs and construct a differential diagnosis for common presenting complaints |
|-----|--------------------------------------------------------------------------------------------------|

**c. Professional and Practical Skills: :**

|     |                                                                                                           |
|-----|-----------------------------------------------------------------------------------------------------------|
| 1 - | The student will be able to perceive the patients and prepare the operating position and field accurately |
| 2 - | Demonstrate surgical removal of carious lesions and temporization of teeth                                |
| 3 - | Demonstrate the ability to prepare and restore simple and compound cavities with amalgam or composit      |
| 4 - | Recognize urgent life-threatening conditions                                                              |

**d.General and Transferable Skills: :**

- 1 - Apply ethical principles to professional practice.

**Course Topic And Contents :**

| Topic                                   | No. of hours | Lecture | Tutorial / Practical |
|-----------------------------------------|--------------|---------|----------------------|
| Pt. assessment ,examination             | 3            |         |                      |
| Diagnosis &treatment plan               | 3            |         |                      |
| Infection control                       | 3            |         |                      |
| Control of oral fluids                  | 3            |         |                      |
| Managements of deep caries              | 3            |         |                      |
| Managements of deep caries              | 3            |         |                      |
| Managements of deep caries              | 3            |         |                      |
| Esthetic restoration of posterior teeth | 3            |         |                      |
| Control of pain                         | 3            |         |                      |
| Temp. restoration                       | 3            |         |                      |
| Health hazards                          | 3            |         |                      |

**Teaching And Learning Methodologies :**

Lectures with discussions

Small group sessions

. Tutorial classes "Small group teaching "Computer projections "Projector slides. "Videotapes

**Course Assessment :**

| Methods of assessment           | Relative weight % | Week No | Assess What                                             |
|---------------------------------|-------------------|---------|---------------------------------------------------------|
| 1st Mid Term Examinations       | 15.00             |         | assess knowledge and understanding                      |
| 2nd Mid Term Examinations       | 15.00             |         | assess knowledge and understanding                      |
| Final Practical Examination     | 15.00             |         |                                                         |
| Final Written Examination       |                   |         |                                                         |
| Mid Term Practical Examinations | 20.00             |         | assess clinical skills, intellectual and general skills |
| Oral Examination                | 10.00             |         |                                                         |

**Course Notes :**

Department note