

University of Jordan
Faculty of Dentistry
Department of Conservative Dentistry
Conservative Dentistry 3 (theory)

Course Title: Conservative Dentistry 3 (theory)

Course Code number: 1302415

Prerequisite: 1302315

Providing Department: Conservative Dentistry

Module Coordinator(s): **Dr Susan Hattar**

Instructor(s):

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Year: 4th year- First & Second Semester

Credit: 2 credit hour

Course objectives

1. To emphasize the importance of accurate diagnosis and formulation of proper treatment plan
2. To consolidate knowledge of cavity preparation
3. To provide an understanding of pulpal and periapical pathology and methods of diagnosis
4. To introduce concepts of dental trauma, classification and management
5. To introduce concepts on the aetiological factors of non-carious lesions, prevention and management
6. To provide understanding of various aetiological factors of teeth discoloration and introduce different ways of management
7. To consolidate knowledge of occlusal recording in relation to restorative dentistry
8. To emphasize on periodontal considerations in relation to restorative dentistry
9. To introduce concepts of restoration of endodontically treated teeth.
10. To give insight on various methods of tooth bleaching procedures
11. To discuss in details the various types of all ceramic restorations
12. To provide knowledge on dental veneers

Learning Outcomes:

A) Knowledge and understanding (student should)

- A1) be able to discuss various factors related to carious and non-carious lesions
- A2) be able to explain bleaching and veneers as plausible dental treatment modalities
- A3) be able to discuss various aetiological factors related to teeth discoloration
- A4) be able to discuss the effect of trauma on teeth and periodontium
- A5) be able to recognize various pulpal and periapical diseases

B) Intellectual skills < cognitive and analytical> (student should)

B1) be able to diagnose of endodontic pathologies and differentiate the key factors of each

B2) be able to analyze whether a restoration is needed and suggest the relative merits or demerits of possible restorative intervention

B3) be able to decide the appropriate clinical situation for the use of all ceramic restorations, and to acknowledge their advantages and limitations

C) Subject specific skills (student should)

C1) be able to perform appropriate cavity design in relation to disease, material and the patient

C2) be able to deal with dental trauma and avulsion

C3) be able to deal with non carious lesions, preventive and restorative measures

C4) be able to deal with tooth discoloration, either using bleaching or veneer techniques

C5) be able to take radiographs during root canal treatment under rubber-dam isolation

C7) be able to restore endodontically treated teeth

C8) to be able to restore teeth by all ceramic restorations

Teaching Methods

Duration: first and second semester

Lectures: 28 hours, one per week

Tests and evaluation

Exams: first exam 25 marks /

Second exam 25 marks /

Final exam 50 marks /

Course contents and schedule

Serial	Topic	Faculty
1	Diagnosis and Treatment Planning in Conservative Dentistry	Dr. Sahar
2	Clinical steps of cavity preparation I	Dr.Al-Rabab'ah
3	Clinical steps of cavity preparation II	Dr.Al-Rabab'ah
4	Rubber dam isolation	Prof. Jamal
5	Endodontic Diagnostic procedure I	Prof. Jamal
6	Endodontic Diagnostic procedure II	Prof. Jamal
7	The role of coronal microleakage in endodontic failure	Prof. Jamal
8	Local anesthesia in endododontics	Prof. Jamal
9	Diseases of The Pulp Organ	Prof. Jamal
10	Diseases of The Periradicular Tissues	Prof. Jamal
11	Roots Caries	Prof. Fouad
12	Restoration of Endodontically Treated Teeth I	Prof. Fouad
13	Restoration of Endodontically Treated Teeth II	Prof. Fouad
14	Clinical Significance of Occlusal analysis	Dr. Maher
15	Non carious Lesion	Dr. Suzan
16	Composite Veneers: Indications, Contraindication and Procedures	Dr. Suzan
17	Porcelain veneers: Indications, Contraindication and Procedures	Dr. Suzan
18	Management of failed direct Restorations	Dr.Al-Rabab'ah
19	Preventive Endodontics: Protecting the pulp	Dr. Leena
20	Management of Endodontic Emergency.	Dr. Leena
21	Traumatic Dental Injury	Dr. Leena
22	Management of Avulsion	Dr. Leena
23	Management Of Wide And Open Apex.	Dr. Ibraheem

24	Diagnosing & Treating Cracked Teeth	Dr. Hammad
25	Bleaching Technique I	AL-Rabab'ah
26	Bleaching Techniques II	Dr. Hammad
27	All-Ceramic Restorations I	Prof. Fouad
28	All-Ceramic Restorations II	Prof. Fouad

Textbooks:

1. Studevant's Art and Science of operative dentistry, Fourth edition, Roberson, Heymann, Swift (Mosby)
2. Endodontics, second edition, Stock, Gulabivala, Walker, Goodman. (Mosby-Wolfe)
3. Harty's Endodontic in clinical practice. Fourth edition, Pitt Ford. (Wright)
4. Principles and practice of endodontics. Second edition, Walton & Torabinejad. (Saunders)