



Mansoura University
Farabi Quality Management of Education and Learning - 3/1/2016

Model (No 12)
**Course Specification : Removable prosthodontics (clinical
removable partial denture and maxillofacial prosthesis**

University : Mansoura University
Faculty : Faculty of Dentistry
Department : Removable Prosthodontics

1- Course data :-

Code: 504 Pr

Course name: Clinical removable
partial denture and maxillofacial
prosthesis Study year: fourth
year

Specialization: Bachelor's
degree of dentistry

Teaching Hours:

Lecture: 1h/week

Practical:
4h / week

Number of
units: 30

2- Course aims :-

The aim of this course is to:

1- Provide students with knowledge and skills for management of partially edentulous patients and some special cases with different treatment modalities.

2- Provide students with knowledge and skills for management of some maxillofacial cases

3- Intended learning outcomes of course (ILOS) :-

a- Knowledge and understanding :

At the end of this course, the student will be able to:

1- Discuss the clinical steps in construction of removable partial denture (RPD) either metallic or acrylic or the over denture.

2- Define the diagnostic aids for partial denture and its significance.

3- Recognize the role of the accurate mouth preparation in success of RPD.

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- 4-Explain different methods used to record the remaining teeth in addition to the soft tissues of the partial edentulous patients during final impression making
 - 5-Specify the principles of designing of partial denture according to the classes of partial dentures
 - 6-Review the important steps of the metallic framework try-in.
 - 7-List the different approaches used to establish the jaw relation according to the partial edentulous case and the state opposing arch.
 - 8-Identify the rules needed to achieve proper esthetic in partial edentulous patients.
 - 9-Summarize problems that can be found in the try-in stage before denture processing.
 - 10-State the occlusal errors and their management in during the delivery of complete dentures to the patients.
 - 11-Delineate the post insertion complain.
 - 12-Recognize the need for denture relining and repair of the partial denture.
 - 13-Discuss the indication and uses of immediate denture.
 - 14-Describe the different types of maxillofacial prosthesis used to rehabilitate patients with maxillary or mandibular defects.
 - 15- Identify the uses of stents and splints.
 - 16-Recognize management of irradiated patients.

b-Intellectual skills :

On completing this course, the student will be able to:

- 1-Examine the remaining teeth and soft tissue with the underlying bone clinically and radiographically.
- 2-Analyze the needed mouth preparation and prognosis of different RPD cases.
- 3-Differentiate between the two basic types of RPD in the support.
- 4-Select the suitable physiologic impression technique for the extension bases partially edentulous cases.
- 5-Design the metallic framework according to the principles of biological and biomechanical concepts.
- 6-Manage the cases with distal extension RPD with the best biological preservation of the remaining structures.
- 7-Analyze the biomechanics of each class of the RPD.
- 8-Assess the metallic framework extra-orally and intraorally.

9-Create accurate maxillo-mandibular relation according to the remaining teeth number and position in the opposing arches.

10. Manage the fractured denture and how to repair and reline it.

11.Select the suitable type of immediate dentures .

12- Determine the biomechanics for maxillofacial designs and manage the clinical cases according to the proper diagnosis

13 .Manage the irradiated patients for the preservation of the remaining structure

a- Professional and practical skills

On completing this course, the student will be able to:

1.Interpret the diagnostic data including the study cast and the x-ray.

2.Apply the principles of designing the RPD that follow the biological and biomechanical concepts.

3.Solve the problems of the difference in support in the free end partially edentulous cases.

4.Analyze the factors that must be considered during the try-in of the metallic framework intraoral.

5.Combine the state the partial edentulous arch with the state of the opposing arch to reach the precise registration of the jaw relation.

6.Operate with the occlusal errors by selective grinding before the insertion.

7.Utilize the patient complain and the clinical examination to manage complications caused by the RPD.

8.Operate with the fractured removable partial denture cases and the relining techniques

9. Apply the principles of the immediate denture to the suitable clinical cases .

10.Design different class of maxillary defects on models (Armany's classification).

d- General and transferable skills

At the end of this course, the student will be able to:

1. Communicate with patients, colleagues, and groups in a professional and ethical manner.

2. Patients' education and motivation according to their mental attitude.

4.Course contents :

No	Topics	Week
1	Examination and evaluation of diagnostic data	1
2	Treatment planning for RPD.	1
3	Mouth preparation for RPD	1
4	Impression registration for RPD.	1
5	Principles of RPD.	1
6	Design of class I Kennedy classification (1).	1
7	Design of class I Kennedy classification (2).	1
8	Design of class II Kennedy classification.	1
9	Design of class III Kennedy classification.	1
10	Design of class IV Kennedy classification.	1
11	Fitting the RPD framework.	1
12	Establishing of Jaw relationship for RPD.	1
13	Esthetic of RPD.	1
14	RPD Try-in and Delivery	2
15	Post insertion observation and patient complaints of RPD	2
16	Tissue damage caused by RPD and its management	2
17	Repair and addition of RPD	1
18	Immediate denture(1)	1
19	Immediate denture(2)	1
20	Acquired palatal defect(1)	1
21	Acquired palatal defect(2)	1
22	Acquired palatal defect(3)	1
23	congenital palatal defect	1
24	Splints	1
25	Stents	1
26	Prosthodontic management of irradiated patient.	1
27	Prosthetic rehabilitation of mandibular defects.	1

5- Teaching and learning methods :-

S	Method	Basic knowledge	Intellectual skills	Professional skills	General skills
1	Lectures (power point presentations)	✓	✓		
2	Clinical demonstrations		✓	✓	✓

6- Teaching and learning methods of disables :-

1. No methods.

N.B : There are some units for left- handed students

7- Activities and sources of teaching and learning :-

S	Activities and resources	Basic knowledge	Intellectual skills	Professional skills	General skills
1	Case presentation	✓	✓		
2	Requirements (clinical cases)		✓	✓	✓

8- Student assessment :**a- Student assessment methods :**

No	Method	Basic knowledge	Intellectual skills	Professional skills	General skills
1	Multiple choice questions to assess the intellectual skill	✓	✓		
2	Short answer questions	✓	✓		
3	Assay questions	✓	✓		
4	Structured Oral examination	✓	✓		
5	Clinical examination		✓	✓	✓

b- Assessment schedule for fourth year

No	Method	Week
1	Assessment 1 first ongoing clinical assessment	8 eighth week
2	Assessment 2 second ongoing clinical assessment and Multiple choice questions assessment	15, 16 fifteenth and sixteenth week
3	Assessment 3 forth ongoing clinical assessment	24 twenty fourth week

4	Assessment 4 fifth ongoing clinical assessment	30 Thirtieth week
5	Assessment 5 sixth ongoing Multiple choice questions assessment	31 thirty first week
6	Assessment 6 seventh final clinical exam	At the end of the year
7	Assessment 7 eighth final written exam	
8	Assessment 8 ninth final structured oral exam	

d-Weighting of assessments

No	Method	Weight
1	Requirements (clinical cases)+ Attendance (lectures, clinical)	12.5
	Ongoing Assessments (clinical+Multiple choice questions)	(12.5%) 12.5
2	clinical examination	70 (35%)
3	final written examination	80 (40%)
4	Structured oral examination	25 (12.5%)
	Total	200 (100%)

9-List of references for third year

S	Item	Type
1	1. Clinical notes of removable partial denture. (Department of removable prosthodontics, Faculty of Dentistry, Mansoura University).	Notes
2	2. Carr AB, and David T. BrownMcCracken's Removable Partial Prosthodontics - Elsevier E-Book on VitalSource, 12th Edition. 2011.	Textbook
3	3. Phoenix RD, Cagna DR, DeFreest CF: Stewart's Clinical Removable Partial Prosthodontics. fourth Edition. Quintessence Publishing Co, Inc. 2008	Textbook

10- Matrix of knowledge and skills of the course for fourth year

No	Topics	Basic knowledge	Intellectual skills	Professional skills	General skills
1	Examination and evaluation of diagnostic data	a.1 a.2	b.1	c.1	d.1 d.2
2	Treatment planning for RPD.	a.1 a.2	b.1	c.1 c.3	d.1 d.2
3	Mouth preparation for RPD	a.3	b.2	c.4 c.18	d.1 d.2
4	Impression registration for RPD.	a.4	b.4	c.6 c.7	d.1 d.2
5	Principles of RPD.	a.5	b.3 b.5	c.2 c.3	d.1 d.2

6	Design of class I Kennedy classification (1).	a.5	b5 b.7	c.2 c.3	d.1 d2
7	Design of class I Kennedy classification (2).	a.5	b5 b.7	c.2 c.3	d.1 d2
8	Design of class II Kennedy classification.	a.5	b5 b.7	c.2 c.3	d.1 d2
9	Design of class III Kennedy classification.	a.5	b5 b.7	c.2 c.3	d.1 d2
10	Design of class IV Kennedy classification.	a.5	b5 b.7	c.2 c.3	d.1 d2
11	Fitting the RPD framework.	a.6	b.8	c.4	d.1 d2
12	Establishing of Jaw relationship for RPD.	a.7	b.9	c.5	d.1 d2
13	Esthetic of RPD.	a.8	b.9 b10	c.5	d.1 d2
14	RPD Try-in and Delivery	a.9 a.10	b.8 b.6	c.6	d.1 d2
15	Post insertion observation and patient complaints of RPD	a.11	b9	c.7	d.1 d2
16	Tissue damage caused by RPD and its management	a.11	b.6	c.7	d.1 d2
17	Repair and addition of RPD	a.12	b10	c.8	d.1 d2
18	Immediate denture(1)	a.13	b.11	c.9	d.1 d2
19	Immediate denture(2)	a.13	b.11	c9	d.1 d2
20	Acquired palatal defect(1)	a.14	b.12	c.10	d.1 d2
21	Acquired palatal defect(2)	a.14	b.12	c.10	d.1 d2
22	Acquired palatal defect(3)	a.14	b.12	c.10	d.1 d2
23	congenital palatal defect	a.14	b.1 2	c.10	d.1 d2
24	Splints	a.15	b.12	c.10	d.1 d2
25	Stents	a.15	b.12	c.10	d.1 d2
26	Prosthodontic management of irradiated patient.	a.16	b.13	c.10	d.1 d2
27	Prosthetic rehabilitation of mandibular defects.	a.16	b.13	c.10	d.1 d2

Course Coordinator(s):

- Prof. Salah Hegazy

Head of department:

-Prof. Salah Hegazy

