



Model (No 12)
Course Specification: Pediatric Dentistry
Academic Year : 2016-2017

Faculty of Dentistry

University: Mansoura University

Faculty: Faculty of Dentistry

Department: Pediatric Dentistry and Dental Public Health

1- Course data: -

Code: 404 Pd	Course name:	Pediatric Dentistry	Study year:	Third year
Specialization:	Bachelor of Dentistry			
Teaching Hours:	Lecture: 1	Tutorial: -----	Practical: 2	
Number of units:	24			

2-Course aims:

- 1-Recognize the basic morphologic considerations of cavity preparation and restoration of primary and young permanent teeth.
- 2- Acquire the practical manual tactile skills, understand the etiologic factors and patterns of dental caries and be familiar with the fundamentals of clinical examination of children.
- 3- Deal properly with different malocclusion predisposing factors, including bad oral habits, abnormal eruption and acquired and genetic factors.

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

a- Knowledge and understanding

By the end of the course, the graduate should be able to:

1. [a.1] Identify the basic morphologic considerations of cavity preparation in primary and permanent teeth.
2. [a.2] Describe the etiologic factors and differentiate clinical patterns of oral habit.
3. [a.3] Delineate the basic knowledge related to the dental caries ,materials and restorative dentistry for the child .
4. [a.4] Recognize and understand the taught principles to deal with eruption, developing occlusion and space problems.
5. [a.5] Be familiarize with the different children's and parents behavior and how to deal with.
6. [a.6] Learn the systematic and standardized extra oral and intraoral examination techniques.
7. [a.7] Describe the etiologic factors and differentiate clinical patterns of dental caries in children.

b- Intellectual skills

By the end of the course, the graduate should be able to :

1. [b.1] Have the ability to differentiate between primary and permanent teeth .
2. [b.2] Interpret diagnose different types of dental caries in children.
3. [b.3] Think properly and solve the problems of bad oral habits, developing occlusion, space management and abnormal eruption patterns.
4. [b.4] Distinguish the best method of patient and parent communication and management.
5. [b.5] Think in a systematic manner.
6. [b.6] Inspect the practical consideration of these differences in cavity preparation
7. [b.7] Modify restoration with the suitable dental materials.

c- Professional and practical skills:

By the end of the course, the graduate should be able to:

1. [c.1] Diagnose the childhood caries and develop the proper and fine skills of different manual restorative work of pediatric dentistry.
2. [c.2] Tailor and design suitable appliances for different cases of malocclusion developed due to oral habits, loss of space or abnormal eruption patterns.
3. [c.3] grasp the best method of child's patient and parent management.
4. [c.4] apply properly the standardized clinical examination steps.

d- General and transferable skills

By the end of the course, the graduate should be able to:

1. [d.1] Make decision based on sound ethical and scientific principles.
2. [d.2] Display appropriate communication skills
3. [d.3] Manage time, set priorities and work to prescribed time limit.

4- Course contents: -

No	Topics	Week				
1	Development and morphology of primary and permanent dentition, clinical application.	1,2				
2	Bad oral habits	3,4				
3	Diagnosis and correction of minor irregularities on the developing occlusion	5,6				
4	Dental caries in children	7				
5	Restorative Dentistry	8,9,10				
6	Dental materials in Pediatric Dentistry	11,12,13				
7	Pits and fissure sealant	14				
8	Management of space problems	15,16,17				
9	Eruption and early loss of	18,19,20				

	teeth					
10	Psychological management of children's behavior and general anesthesia	21,22,23				
11	Clinical examination	24				

5- Teaching and learning methods:-

S	Method	Basic knowledge	Intellectual skills	Professional skills	General skills
1	Lectures	√	√		
2	Practical		√	√	√

6- Teaching and learning methods of disables :-

Not available

7- Activities and sources of teaching and learning :-

S	Activities and resources	Basic knowledge	Intellectual skills	Professional skills	General skills
1	Practical requirements	√	√		√
2	Seminars	√	√		√

Sources:

text book

Faculty library

8- Student assessment :-

a- Student assessment methods

No	Method	Basic knowledge	Intellectual skills	Professional skills	General skills
1	(Semester work): MCQ Requirements	√	√		
2	Written exam (Final exam)	√	√		
3	Practical exam (Final exam)		√	√	√
4	Oral exam (final exam)	√	√		√

b- Assessment schedule

No	Method	Week	Duration
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1	Ongoing assessment	After 14 weeks	30 minutes
	Practical exam	After 30 weeks	30 minutes
3	Written/oral exam	After 30 weeks	3 hours

c- Weighting of assessments

No	Method	Marks	Weight
1	Semester work exam	15	15%
2	Practical exam	30	30%
3	Written exam	40	40%
4	Oral exam	15	15%
5	Total	100	100%

9- List of references

S	Item	Type
1	McDonald R, David R. Avery, Dentistry for the child and adolescent. ninth ed.	Book
2	Pinkham J. Pediatric Dentistry: Infancy through adolescence	Book
3	Andlaw R.J: A manual of pediatric dentistry	Open book
4	Kennedy D.B: Pediatric Operative Dentistry	Open book
5	American Academy of Pediatric Dentistry American Society of Dentistry for children International association of Pediatric Dentistry	Periodicals
6	Lecture slides handouts-lectures	Course notes

10- Matrix of knowledge and skills of the course

S	Items	Details	Basic knowledge	Intellectual skills	Professional skills	General skills
	Development and morphology of primary and permanent dentition, clinical application.	a.1	b.1	c.1	d.1,d2	
	Bad oral habits	a.2	b.3	c.2	d.1	

Course Content	Diagnosis and correction of minor irregularities on the developing occlusion	a.4	b.3	c.2	d.3
	Dental caries in children	a.3,a7	b.2	c.1	d.1
	Restorative Dentistry	a.3	b.6	c.1	d.3
	Dental materials in Pediatric Dentistry	a.3	b.7	c.7	d.1
	Pits and fissure sealant	a.3	b.7	c.1	d.1,d2
	Management of space problems	a.4	b.3	c.2	d.1
	Eruption and early loss of teeth	a.4	b.3	c.2	d.1,d2
	Psychological management of children's behavior and general anesthesia	a.5	b.4	c.2	d.2
	Clinical examination	a.6	b.5	c.3	d.3

Course Coordinator(s): Prof. Abeer M. Abdellatif

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