



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

Faculty of Dentistry  
Farabi Quality Management of Education and Learning

**University:** Mansoura University  
**Faculty:** Faculty of Dentistry  
**Department:** Pediatric Dentistry and Dental Public Health

**1- Course data: -**

Code: 504 Pd	Course name:	Pediatric Dentistry	Study year:	Fourth year
Specialization:	Bachelor of Dentistry			
Teaching Hours:	Lecture: 1	Tutorial: -----	Practical: 2	
Number of units: 26				

**2-Course aims:**

- 1-Teach the applied principles and knowledge of dentistry for the child patient, regarding clinical and radiographic examination of the child patient.
- 2- Provide the knowledge and fundamental skills of local anesthesia and pharmacological management.
- 3- Introduce important knowledge regarding minor oral surgery.
- 4- Provide the knowledge and fundamental skills of performing pulp therapy.
- 5- Introduce basic steps for managing traumatized primary and permanent teeth.
- 6-Provide information required for treatment planning.
- 7-Introduce different gingival, periodontal diseases and acquired and hereditary disease in children and adolescents.
- 8- Describe the different techniques of managing medically compromised and special needs children.

**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] Understand the basic principles for examining the child dental patient clinically and radiographically.
2. [a.2] Stands on the basic information of local anesthesia and the child management pharmacologically.
3. [a.3] Acquire the proper knowledge and skills for performing simple surgical procedures.
4. [a.4] Acquire the proper knowledge and skills for performing pulp therapy.
5. [a.5] Acquire the proper knowledge and skills for performing for managing dental traumatic injuries in children and adolescents.
6. [a.6] Gather the information for treatment planning.
7. [a.7] describe the gingival and periodontal disease/ acquired and hereditary dental disease in children.

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8. [a.8] Deal properly with medically compromised and special needs children.

**b- Intellectual skills :**

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

1. [b.1] conduct a standardized clinical examination and timely request a radiographic examination with proper interpretation.
2. [b.2] Recognize the techniques of local anesthesia and pre-medicaments used for sedation in the dental office.
3. [b.3] distinguish extractions of primary teeth and its technique and recognizing its precaution and limitation.
4. [b.4] interpret the different types of pulp therapy and the materials and techniques of their performance.
5. [b.5] explore the emergency, intermediate and permanent management of traumatized primary and young permanent teeth.
6. [b.6] correlate the principles of tailoring the treatment plan.
7. [b.7] Differentiate between gingival , acquired and hereditary dental disease in children.
8. [b.8] Recognize the special management techniques for medically compromised and special needs children.

**Professional and practical skills:**

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

1. [c.1] conduct a standardized clinical examination and timely request a radiographic examination with proper interpretation.
2. [c.2] Use the local anesthesia and pre-medicaments used for sedation in the dental office properly.
3. [c.3] Perform extraction of primary teeth safely.
4. [c.4] apply the different techniques of pulp therapy properly.
5. [c.5] Perform the emergency, intermediate and permanent management of traumatized primary and young permanent teeth efficiently.
6. [c.6] display the treatment plan for each child patient
7. [c.7] Treat gingival and periodontal diseases and acquired and hereditary dental disease in children properly.
8. [c.8] Manage the medically compromised and special needs children in a proper and empathetic manner.

**c- General and transferable skills**

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

1. [d.1] Display competency at the diagnosis and management of patients.
2. [d.2] Make decision based on sound ethical and scientific principles.
3. [d.3] Display appropriate communication skills.
4. [d.4] Manage time, set priorities and work to prescribed time limit.

**4- Course contents: -**

No	Topics	Week				
1	Clinical examination	1,2				
2	Pharmacological	3,4				

	management					
3	Local anesthesia	5,6				
4	Vital pulp therapy	7,8,9				
5	Radiographic examination	10,11				
6	Minor oral surgery	12,13				
		14				
7	Minor oral surgery	15,16,17,18				
8	Treatment planning	19				
9	Gingival disease	20,21				
10	Disabled children	22,23,24				
11	Acquired and developmental disease	24,25				
12	Hereditary disorders	26				

#### 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 books

Faculty library

#### 8- Student assessment :-

##### a- Student assessment methods

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

#### b- Assessment schedule

No	Method	Week
1	Ongoing assessment	After 14 weeks
2	Practical exam	After 30 weeks
	Written oral exam	After 30 weeks

#### 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.	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**

<b>S</b>	<b>Items</b>	<b>Details</b>	<b>Basic knowledge</b>	<b>Intellectual skills</b>	<b>Professional skills</b>	<b>General skills</b>
1		Clinical examination	a.1	b.1	c.1	d.1,d2
		Pharmacological management	a.2	b.2	c.2	d.4
		Local anesthesia	a.2	b.2	c.2	d.1
		Vital pulp therapy	a.4	b.4	c.4	d.1,d2,
		Radiographic examination	a.1	b.1	c.1	d.1,d2
		Minor oral surgery	a.3	b.3	c.3,	d.1,d2,d3
		Traumatic injuries	a.5	b.5,	c.5	d.1,d2
		Treatment planning	a.6	b.6	c.6	d.1
		Gingival disease	a.7	b.7	c.7	d.1,2
		Disabled children	a.8	b.8	c.8	d.1,2,8
		Acquired and developmental disease	a.7	b.7	c.7	d.1,2
		Hereditary disorders	a.7	b.7	c.7	d.1,2

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**Course Coordinator(s): Prof. Abeer M. Abdellatif  
Dr.Rizk El Agamy**

**Head of department: - Head of department: -Prof. Salwa M. Awad**