



Faculty of  
Dentistry

## Course Specification: pediatric dentistry

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**University:** Mansoura University

**Faculty:** Faculty of Dentistry

**Department:** Pedodontics and Dental Public health

### 1- Course data: -

Code: P 301 Pd Course name: pediatric dentistry

Study year:2016/2017

Specialization: Doctor of Dental Science(pediatric dentistry)

Teaching Hours:

Lecture: 2h/week for 60 weeks

Practical: 12h/week for 60 weeks

No of units : 60

### 2- Course aims: -

The pediatric dentistry doctorate course aims to:

provide post graduate students advanced education in basic and recent topics in the field of pediatric dentistry and enhance the students understanding of pediatric dentistry techniques

1. Acquire trend towards developing methods and tools and new methods of practicing professional and use of appropriate technological means to serve pediatric dentistry.
2. Aware of its role in the development of society and the preservation of the environment and reflecting the commitment to integrity and credibility and rules
3. Manage children and the preserve the environment .

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

#### **a-Knowledge and understanding**

- a. 1. Report fundamentals and modern knowledge within the domain of diagnosis, of oral diseases in children
- a.2. Explain methodologies and ethics of scientific research and its various tools.
- a.3. Review principles of quality in professional practice of different techniques of local anesthesia ,surgery, teeth restoration
- a.4. Identify gingival disease, occlusion development, traumatic injuries and eruption problems.
- a.5.Determine the problems of management of children with special needs .
- a.6. Relate the Basics and ethics of scientific research. The influence of psychology background on the effective management of children

#### **b- Intellectual skills :**

- b1-select the suitable psychological behavior management of children in dental office.
- b.2- differentiate between traumatic injuries techniques of teeth in children
- b.3. familiarize with the best method of patient and parent communication and management.
- b.4. able to do the emergency, intermediate and permanent management of traumatized primary and young permanent teeth.
- b.5.Explore the principles of tailoring the treatment plan.
- b.6.Differentiate between gingival and periodontal and acquired and hereditary dental disease in children.
- b.7.Think properly and solve the problems of bad oral habits, space management and abnormal eruption patterns.
- b.8. Innovation and creativity
- b.9. distinguish effective and scientific evidence in pediatric dentistry.
- b.10. Formulate scientific paper.

#### **c- Professional and practical skills:**

- c.1- .Apply the different techniques of pulp therapy properly
- c.2- acquire Skills of hand ling dental and soft tissue in children

- c.3- acquire skills of dealing with disabled child management
- c.4.To grasp the best method of child's patient and parent management
- c.5. .Achieve proficiency in evaluation and diagnosis
- c.6.Perform the emergency, intermediate and permanent management of traumatized primary and young permanent teeth efficiently.
- c.7.Treat gingival and periodontal diseases and acquired and hereditary dental disease in children properly.
- c.8. Manage the medically compromised and special needs children in a proper and empathetic manner.
- c.9. planning to develop other students.

d- General and transferable skills

- d1 Utilize information technology to develop pediatric dentistry.
- d2- communicate with patient and his family Friendly.
- d.3. Manage time, set priorities and work to prescribed time limit.
- d.4. Display competency at the diagnosis and management of patients
- d.5. Carry out self-evaluation and learn continuously

**4- Course contents: -**

No	Topics	Week
1	New trends of diagnosis and examination Principles of child.	1 <sup>st</sup> ,2 <sup>nd</sup> ,3 <sup>rd</sup> ,4 <sup>th</sup> weeks
2	Psychological approaches for management of child	5 <sup>th</sup> ,6 <sup>th</sup> ,7 <sup>th</sup> ,8 <sup>th</sup> 9 <sup>th</sup> ,10 <sup>th</sup> ,weeks
3	New trends in Pharmacologic management of child and local anesthesia	11 <sup>th</sup> ,12 <sup>th</sup> 13 <sup>th</sup> ,14 <sup>th</sup> 15 <sup>th</sup> 16 <sup>th</sup> 17 <sup>th</sup> ,18 <sup>th</sup> , weeks
4	Dental caries in children:	,19 <sup>th</sup> ,20 <sup>th</sup> 21 <sup>st</sup> , 22 <sup>nd</sup> weeks

5	Restorative Dentistry	25 <sup>th</sup> ,26 <sup>th</sup> ,27 <sup>th</sup> 28 <sup>th</sup> 29 <sup>th</sup> ,weeks
6	Dental materials in Pediatric Dentistry	30 <sup>th</sup> ,31 <sup>st</sup> ,32 <sup>nd</sup> , 33 <sup>rd</sup> ,weeks
7	Gingivitis and periodontal disease	34 <sup>th</sup> ,35 <sup>th</sup> , weeks
8	Management of space problems	36 <sup>th</sup> ,37 <sup>th</sup> ,38 <sup>th</sup> ,39 <sup>th</sup> , 40 <sup>th</sup> ,41 <sup>st</sup> , weeks
9	Eruption and early loss of teeth	42 <sup>nd</sup> ,43 <sup>rd</sup> ,44 <sup>th</sup> ,45 <sup>th</sup> ,weeks
10	Recent modalities to solve developing occlusion problems	46 <sup>th</sup> ,47 <sup>th</sup> ,48 <sup>th</sup> , 49 <sup>th</sup> ,weeks
11	Dental problems of the disabled	50 <sup>th</sup> ,51 <sup>st</sup> ,52 <sup>nd</sup> , 53 <sup>rd</sup> ,54 <sup>th</sup> ,55 <sup>th</sup> ,56 <sup>th</sup> weeks
12	Genetic ,dental disorder in children	57 <sup>th</sup> ,58 <sup>th</sup> ,59 <sup>th</sup> ,60 <sup>th</sup> weeks

#### 5- Teaching and learning methods:-

	Method	Basic knowledge	Intellectual skills	Professional skills	General skills
1	Lectures	√	√		
2	Seminars	√	√		√
3	Case study	√	√		√
4	Group discussion	√	√		√

5	Clinical cases		√	√	√
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**6- Teaching and learning methods of disables :- none**

**7- Activities and sources of teaching and learning :**

S	Activities and resources	Basic knowledge	Intellectual skills	Professional skills	General skills
1	Seminars	√	√		√
2	Treatment of different clinical cases	√	√	√	√
3	Differential diagnosis of different cases	√	√	√	
4	Practice different types of children mangement	√	√	√	√

**8- Student assessment :-**

**a- Student assessment methods:**

No	Method	Basic knowledge	Intellectual skills	Professional skills	General skills
1	Written exam	√	√		
2	Oral exam	√	√		
3	Clinical exam		√	√	√
4	Practical exam		√	√	

**b- Assessment schedule:**

No	Method	Week
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1	Written exam first paper	April or November
2	Written exam second paper	
3	Oral exam	
4	Clinical exam	
5	Practical exam	

**c- Weighting of assessments:**

No	Method	Weight	Proportion
1	Three Written Tests	300	50%
2	One Practical Test	100	16.6%
3	Clinical Test	100	16.6%
4	Oral Test	100	16.6%

**9- List of references:**

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

**10- Matrix of knowledge and skills of the course**

Items	Details	N weeks	Basic	Intellectual	Professional	General
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			knowledge	skills	skills	skills
Psychological approaches for management of child	1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> , 4 <sup>th</sup> weeks	a.2	b.1	c.3	d. 1, d.2	
New trends in Pharmacologic management of child and local anesthesia	5 <sup>th</sup> , 6 <sup>th</sup> , 7 <sup>th</sup> , 8 <sup>th</sup> , 9 <sup>th</sup> , 10 <sup>th</sup> , weeks	a.2, a.3	b.2	c.5	d.3	
Dental caries in children	11 <sup>th</sup> , 12 <sup>th</sup> , 13 <sup>th</sup> , 14 <sup>th</sup> , 15 <sup>th</sup> , 16 <sup>th</sup> , 17 <sup>th</sup> , 18 <sup>th</sup> , weeks	a.6	b.5	c.4	d).	
Restorative Dentistry	, 19 <sup>th</sup> , 20 <sup>th</sup> , 21 <sup>st</sup> , 22 <sup>nd</sup> weeks	a.6	b.4	c.4	d.3	
Dental materials in Pediatric Dentistry	25 <sup>th</sup> , 26 <sup>th</sup> , 27 <sup>th</sup> , 28 <sup>th</sup> , 29 <sup>th</sup> , weeks	a.7	b.3	c.8	d.3	
Gingivitis and periodontal disease	30 <sup>th</sup> , 31 <sup>st</sup> , 32 <sup>nd</sup> , 33 <sup>rd</sup> , weeks	a.4	b.6	c.5	d.2	
Management of space problems	34 <sup>th</sup> , 35 <sup>th</sup> , weeks	a.3	b.3	c.7	d.4	
Eruption and early loss of teeth	36 <sup>th</sup> , 37 <sup>th</sup> , 38 <sup>th</sup> , 39 <sup>th</sup> , 40 <sup>th</sup> , 41 <sup>st</sup> , weeks	a.4	b.4	c.5	d.2	
Recent modalities to solve developing occlusion problems	42 <sup>nd</sup> , 43 <sup>rd</sup> , 44 <sup>th</sup> , 45 <sup>th</sup> , weeks	a.5, a.8	b.5	c.1, c.5	d.2	
Dental problems of the disabled	46 <sup>th</sup> , 47 <sup>th</sup> , 48 <sup>th</sup> , 49 <sup>th</sup> , weeks	a.2	b.2	c.3	d.2	
Genetic ,dental disorder in children	50 <sup>th</sup> , 51 <sup>st</sup> , 52 <sup>nd</sup> , 53 <sup>rd</sup> , 54 <sup>th</sup> , 55 <sup>th</sup> , 56 <sup>th</sup> weeks	a.3	b.4	c.2	d.1	

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

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