



Faculty of
Dentistry

Course Specification: pediatric dentistry

University: Mansoura University

Faculty: Faculty of Dentistry

Department: Pedodontics and Dental Public health.

1- Course data: -

Code: P 201 Pd Course name: pediatric dentistry Study year:2016/2017

Specialization: Master Degree In Oral And Dental Surgery In Branch Of
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 master course aims to:

- 1- Provide post graduate students the advanced education in basic and recent topics in the field of pediatric dentistry and enhance the students understanding of pediatric dentistry techniques and use of appropriate technological means.
- 2- Serve pediatric dentistry and reflecting the commitment to integrity and credibility and rules.
- 3- Recognize self-development and describe the proper role in the managing children and the preservation of the environment.

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	diagnosis and examination Principles of child.	1 st ,2 nd ,3 rd ,4 th weeks
2	Psychological approaches for management of child	5 th ,6 th ,7 th ,8 th 9 th ,10 th ,weeks
3	Pharmacologic management and local anesthesia for children	11 th ,12 th 13 th ,14 th 15 th 16 th 17 th ,18 th , weeks

4	Dental caries & Genetic disorder in children	,19 th ,20 th ,21 st , 22 nd weeks
5	Restorative Dentistry & Dental materials in Pediatric Dentistry	25 th ,26 th ,27 th 28 th 29 th ,weeks
6	Traumatic injury& New trends of radiographic techniques	30 th ,31 st ,32 nd , 33 rd ,weeks
7	Gingivitis and periodontal disease	34 th ,35 th , weeks
8	Management of space problems	36 th ,37 th ,38 th ,39 th , 40 th ,41 st , weeks
9	Eruption and early loss of teeth	42 nd ,43 rd ,44 th ,45 th ,weeks
10	Oral habits in children and developing occlusion problems	46 th ,47 th ,48 th , 49 th ,weeks
11	Dental problems of the disabled	50 th ,51 st ,52 nd , 53 rd ,54 th ,55 th ,56 th weeks
12	Treatment plan & General anesthesia for pediatric dentistry	57 th ,58 th ,59 th ,60 th 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		√	√	√

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
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	250	45%
2	One Practical Test	100	16.6%
3	Clinical Test	100	16.6%
4	Oral Test	120	21.5%

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

No	Topics	N weeks	Basic Intellectual know ledge	Intellectual skills	Professional skills	General skills
	diagnosis and examination Principles of child.	1 st ,2 nd ,3 rd , 4 th weeks	a.2	b.1	c.3	d. 1, d.2
	Psychological approaches for	5 th ,6 th ,7 th	a.2,	b.2	c.5	d.3

	management of child	,8 th 9 th ,10 th ,wee ks	a.3			
	Pharmacologic management and local anesthesia for children	11 th ,12 th 13 ^t h,14 th 15 th 16 th 17 th ,18 th , weeks	a.6	b.5	c.4	d\.
	Dental caries & Genetic disorder in children	,19 th ,20 th 21 st , 22 nd weeks	a.6	b.4	c.4	d.3
	Restorative Dentistry &Dental materials in Pediatric Dentistry	25 th ,26 th ,27 ^t h 28 th 29 th ,weeks	a.7	b.3	c.8	d.3
	Traumatic injury& New trends of radiographic techniques	30 th ,31 st ,32 nd , 33 rd ,weeks	a.4	b.6	c.5	d.2
	Gingivitis and periodontal disease	34 th ,35 th , weeks	a.3	b.3	c.7	d.4
	Management of space problems	36 th ,37 th ,38 th ,3 9 th , 40 th ,41 st , weeks	a.4	b.4	c.5	d.2
	Eruption and early loss of teeth	42 nd ,43 rd ,44 th ,45 th ,week s	a.5 a.8	b.5	c.1,c 5	d.2
	Oral habits in children and developing occlusion problems	46 th ,47 th ,48 ^t h, 49 th ,weeks	a.2	b.2	c.3	d.2
	Dental problems of the disabled	50 th ,51 st ,52 nd , 53 rd ,54 th ,55 ^t h,56 th weeks	a.3	b.4	c.2	d.1
12	Treatment plan & General anesthesia for pediatric dentistry	57 th ,58 th ,59 ^t h,60 th weeks	a.4	b.2	c.3	d.2

Course Coordinator(s): Prof. Abeer M. Abdellatif
Head of department: -Prof. Salwa M. Awad

