



Faculty of
Dentistry

Course Specification: pediatric dentistry

University: Mansoura University

Faculty: Faculty of Dentistry

Department: pedodontics and public health

1- Course data: -

Code: P 101
Pd

Course name: pediatric dentistry

Study year:2016/2017

Specialization: **Higher Dental Diploma (Pediatric Dentistry)**

Teaching Hours:

Lecture: 2h/week for 45 weeks

Practical: 12h/week for 45 weeks

No of units : 45

2- Course aims: -

The pediatric dentistry diploma course aims to:

1. Develop effective clinical, communications and management skills and provide dental service in a safe and infection controlled environment.
2. Develop self-directed dentists who are critical thinkers, and provide long-life learners and problem solvers in the field of pediatric dentistry.
3. Acquire skills in evaluation and presentation of evidence, as well as response to ongoing dental technology in pediatric dentistry.

3- Intended learning outcomes of course (ILOS):

a-Knowledge and understanding

- a.1. Identify the basic etiologic factors and morphologic considerations of dental caries and cavity restoration in primary and permanent teeth.
- a.2. Recognize the basic principles to deal with the developing occlusion.
- a.3. Be familiarize and with the different children's and management pharmacologically
- a.4. Learn the systematic and standardized oral examination techniques.
- a.5. Stands on the skills for performing of local anesthesia and surgical procedures.
- a.6. Gather the information for treatment planning of traumatic injuries and gingival diseases.
- a.7. Deal properly with medically compromised and special needs children

b- Intellectual skills :

- b.1. Have the ability to differentiate between primary and permanent teeth caries ,cavity preparation and restoration with the suitable dental material.
- b.2. Think properly and solve the problems of bad oral habits, space management and abnormal eruption patterns.
- 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 types of gingival diseases and relate acquired and hereditary dental disease in children.
- b.7. Interpret the special management techniques for medically compromised and special needs children

c- Professional and practical skills:

- c.1. Achieve proficiency in evaluation and diagnosis
- c.2. Diagnose the childhood caries and develop the proper and fine skills of different manual restorative work of pediatric dentistry.
- c.3. design suitable appliances for different cases of malocclusion developed and abnormal eruption patterns.

- c.4. grasp the best method of child's patient and parent management
- c.5. Apply the different techniques of teeth restoration properly.
- 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.

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	clinical examination Principles of child.	1 st , 2 nd , weeks
2	Psychological and Pharmacologic management approaches for management of child	3 rd , 4 th 5 th , 6 th , 7 th , 8 th 9 th , 10 th , weeks
3	local anesthesia and oral surgery for children	11 th , 12 th 13 th , 14 th , weeks
4	Dental caries in children	15 th 16 th 17 th , 18 th , 19 th , weeks
5	Restorative Dentistry & Dental materials in Pediatric Dentistry	20 th -25 th , weeks
6	Traumatic injury	26 th , 27 th 28 th 29 th 30 th , weeks
7	Gingivitis and periodontal disease	, 31 st , 32 nd , 33 rd weeks

8	Management of space problems	34 th ,35 th 36 th , , weeks
9	Eruption and early loss of teeth	,37 th ,38 th ,39 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	40 th ,41 st 42 nd ,43 rd , ,weeks h weeks
12	Genetic disorder in children	44 th ,45 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				
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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	
	Oral exam	
4	Clinical exam	
5	Practical exam	

c- Weighting of assessments:

No	Method	Weight	Proportion
1	Two Written Tests	150	30%
2	One Practical Test	150	30%
3	Clinical Test	120	24%
4	Oral Test	80	16%

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 knowledge	Intellectual skills	Professional skills	General skills
	clinical examination Principles of child.	1 st ,2 nd ,3 rd ,4 th weeks	a.2	b.1	c.3	d. 1, d.2
	Psychological and Pharmacologic management approaches for management of child	5 th ,6 th ,7 th ,8 th ,9 th ,10 th ,weeks	a.2, a.3	b.2	c.5	d.3
	local anesthesia and oral surgery 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 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	a.7	b.3	c.8	d.3

		29 th , weeks				
	Traumatic injury	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 , 39 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 , weeks	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 th , 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 th , 56 th , weeks	a.3	b.4	c.2	d.1
12	Genetic disorder in children	57 th , 58 th , 59 th , 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