

Guide to the Practical Pediatric dentistry's Unit 3 in the second Semester of the academic year 1404-1405

Faculty: Dr. Erfanparst, Dr. Vafaiee, Dr. Adhami, Dr. Shahvegar, Dr. Halimi, Dr. Jamei Khosroshahi, Dr. Sajjadi, Dr. Mahmoodabadi, Dr. Teimouri, Dr. Kalantari

Prerequisite or concurrent unit : Practical Pediatric Dentistry 2

Number of units: 2 practical unit

Unit type:

Section : Doctorate in General Dentistry

Number of sessions or number of days in the department : One day a week

Course duration: 4 months

Course start and end date: 1403/07/05 to 1404/11/01

Session times per week (or hours of attendance in the department) : 9am-12am

Days Saturday to Wednesday

Location of in-person sessions, clinic and ward, and morning report, and etc: Entrance 1, first floor, Pediatric ward

General introduction to the course :

This course is designed to familiarize students with routine treatments in children. These treatments include various types of extractions, restorations, and pulp therapies of primary teeth .

General objectives and introduction of the course:

It is expected that after completing this course, learners will be able to:

The aim of the theoretical course and practical work in pediatric dentistry is that, the student know the methods of prevention and treatment of oral and dental problems in children based on valid scientific evidence, and to have a general understanding of the growth and development of occlusion and the causes of developmental abnormalities of teeth, and to know how to prevent it if necessary. Also, to communicate correctly with the child and provide correct treatment in full compliance with the principles of infection control, and to feel responsible and committed to his work and refer hospital cases.

Educational objectives of the course unit

Minimum expected practical skills :

- 1- Establish appropriate communication with parents and obtain informed consent from them.
- 2- Prepare the child for the treatment by using communication methods and various behavioral management methods.
- 3- Record the child's characteristics and history, perform a proper intraoral and extraoral examination of the child, prepare appropriate radiographs, and finally complete the file carefully and correctly and interpret the appropriate treatment plan.
- 4- Properly anesthetize the desired tooth and extract it carefully and following the principles.
- 5- Correctly and skillfully perform cavity preparation and restoration for posterior primary teeth.
- 6- Correctly and skillfully perform cavity preparation and restoration for anterior primary teeth.
- 7- Select the appropriate SSC for the desired tooth and cement it with the appropriate material (after carefully trimming the tooth).
- 8- Carefully perform brosaage and fluoride therapy for the child.

9- Perform pulpotomy and pulpectomy of primary teeth accurately and without errors.

10- Treat the pulp of the young permanent tooth correctly, if possible.

11- Correctly perform selecting the brace, taking impression, trying it on after fabrication, and cementing it in the child's mouth.

12- Carefully perform the molding to make the space retainer, adjust the plaque, and follow-up.

13- For a disabled, handicapped child or child who has a specific or systemic illness, complete the file and provide or refer for appropriate treatment.

14- Prepare a report of the treatments performed with the professor's opinion, compare and discuss them with existing scientific findings and evidence, and present a summary of it to the professor and other students in the final session.

	Skill Description	Minimum number
1	Completing the file and obtaining informed consent from the child's parents	4 patients
2	Dealing with and communicating correctly with the child and managing behavior	In all cases
3	Teaching toothbrushing techniques and hygiene education	4 patients
4	Perform local sedation	If needed
5	Prepare c.I and II cavity and restore the tooth with amalgam and composite	4 cases of each one
6	Extract primary tooth	4 cases
7	Pulpotomy and Pulpectomy	6 cases pulpotomy, 2 cases pulpectomy
8	PRR (CAR) and fissure sealant	4 cases of each one
9	Fluoride therapy	2 patients
10	SSC	2 cases
11	Space maintainer (If there wasn't patient for SM, it should be presented virtually)	1 case
12	Splint (If there wasn't patient for it, it should be presented virtually)	1 case if possible
13	apexogenesis (If there wasn't patient for it, it should be presented virtually)	1 case if possible
14	Disable child or child with special health care needs (If there wasn't patient , it should be presented virtually)	1 case if possible
15	Evidence-based appropriate treatment plan	In all cases
16	Case presentation to solve problems which was happened during treatment and to teach critical thinking	4 hours
17	Participating in teaching junior students during treatment	If needed

Teaching method

- 1- Direct education (lecture)
- 2- Ask and answering
- 3- Demonstration and Explanation
- 4- Problem Based Learning
- 5- Peer Instruction

**Student evaluation
method**

Total 20 points including:

- 1) Discipline in the department: 5 points**
- 2) Descriptive entrance exam to the department: 5 points**
- 3) Functional capability assessment based on logbook checklist: 10 points**

Minimum grade for passing this course: 12

**Number of hours of excused absence (with the approval of the instructor)
allowed for this course unit: 0**

**Educational
Resources**

1. Dean JA, editor. McDonald and Avery's Dentistry for the Child and Adolescent: Elsevier. Last Edition
2. Casamassimo PS, Fields H, McTigue DJ, Nowak AJ. Pediatric dentistry: infancy through adolescence: Elsevier/Sounders;. Last Edition

**Educational resources for
further study**

Scientific articles related to pediatric dentistry

**Learning
opportunities**

Annual Pediatric Dentistry Congress

**Contact
information**

Faculty members (phone, email ,etc):

Educational expert (phone, email ,etc):