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**Azerbaijan Medical University**

**SYLLABUS**

**on the course of**

**THERAPEUTIC DENTISTRY IN CHILDREN**

**«I APPROVE»**

**Head of the Department of Pediatric dentistry Prof.Aliyeva.R.G.**

**Signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**12.09.2021**

**COURSE CODE:** 3226.01

**COURSE TYPE:**  Mandatory

**COURSE SEMESTER:** VI

**COURSE CREDITS:** 2

**COURSE FORM:**  in person

**COURSE LANGUAGES:**  Azerbaijani, Russian, English

**TEACHERS CONDUCTING THE COURSE:** Hasanova N., Kalbiyeva N., Yagubova F., Piriyev R., Feyzullayeva N.

**CONTACT NUMBERS**

**OF THE DEPARTMENT:** 012 447-47-87; 012 567-59-21

**Е-MАIL:** [аzеrbstom@yаhoo.com](mailto:азербстом@йащоо.ъом)

**PREREQUISITES:** none

**COREQUISITES:** none

**COURSE OVERVIEW:**

This course explains the clinical course, etiology, pathogenesis, diagnosis, differential diagnosis and treatment of dental diseases in children. Also includes etiology, pathogenesis, diagnosis and treatment of non-carious diseases in children. Theoretical and practical information about caries and its complications is included into the course.

**COURSE OBJECTIVES:**

The main objective is to cover information on caries and its complications, as well as on diseases of non-carious origin. For this, there must be an appropriate base of theoretical and practical materials.

**COURSE RESULTS:**

Upon completion of this course, students should receive theoretical and practical knowledge about caries and its complications, as well as about diseases of non-carious origin.

**COURSE TOPICS:**

1. Preparation of children's teeth for treatment. Correction of child behaviour.
2. Premedication.Sedation.
3. Local anesthesia. Non-invasive technique of anaesthesia.
4. Injection anesthesia. Infiltration anesthesia.
5. Field block anesthesia. Anesthesia methods applied on the upper jaw.
6. Anesthesia methods applied on the lower jaw.
7. General anesthesia.
8. Congenital developmental defects of hard tissues of teeth.
9. Acquired pathologies of the hard tissues of teeth. Diagnosis, treatment, differential diagnosis and prevention of enamel hypoplasia.
10. Diagnosis, treatment, differential diagnosis, prevention of fluorosis.
11. Inherited disorders of teeth development.
12. Dental decay. Etiology and classification.
13. Dental caries in primary teeth.
14. Dental caries in permanent teeth.
15. Dental caries complication. Classification of pulpitis.
16. Acute puplitis in primary teeth.
17. Chronic puplitis in primary teeth.
18. Apical periodontitis. Periodontitis in primary teeth.
19. Periodontitis in permanent teeth.
20. Instruments and materials used in root canal treatment.
21. Mechanical techniques of root canal preparation.
22. Chemical processing of the root canal.
23. Filling of the root canals.
24. Lateral and vertical condensation.
25. Endodontic handpieces and micromotors.

**LECTURE TEXTS OF THE COURSE:**

Lecture texts and sample tests on all topics of the course are prepared in electronic form and posted in the department of innovation and informatics.

Virtual address of the course: [www.amu.edu.az](http://www.amu.edu.az)

**GRADING:**

The set of the required 100 points for obtaining credits in this course will take place in the following form:

50 points - before exams

Including:

10 points - attendance

10 points - independent work

10 point - skills

20 points - points scored from seminars

50 points - points scored on the exam.

The exam will be conducted in a test form. The test consists of 50 questions. Each question is worth 1 point. Wrongly answered questions deduct points from correct answers.

**NOTE:**

If during the exam the minimum 17 points are not scored, the points scored before the exam will not be taken into account. The points scored on the exam and before the exam are added and the final result is assessed in the following form:

А – «Outstanding» -91 – 100

B – «Very good» - 81 – 90

C – «Good» - 71 – 80

D – «Not bad» - 61 – 70

Е – «Satisfactory» - 51 – 60

F – «Unsatisfactory» - lower than 51.

**FREE WORKS:**

During the semester, 10 independent works are given. The performance of each task is estimated at 1 point.

Independent work should be in writing, in word file format, volume 1-2 pages (font size 12).

Plagiarism is unacceptable, since each independent work is a conclusion of the student's own thoughts.

**TOPICS AND DEADLINE OF THE INDEPENDENT WORKS**

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| --- | --- | --- | --- | --- | --- |
| № | | | Topics | | Deadline |
|  | | | Premedication.Sedation. | |  |
|  | | | Local anesthesia. Non-invasive technique of anaesthesia. Injection anesthesia. Infiltration anesthesia. | |  |
|  | | | Field block anesthesia. Anesthesia methods applied on the upper jaw. | |  |
|  | | | Anesthesia methods applied on the lower jaw | |  |
| 5 | | | General anesthesia. | |  |
| 6. | | | | Non-carious congenital developmental defects of hard tissues of teeth. |  |
| 7. | | | Dental decay. Etiology and classification.  Dental caries in primary teeth. | |  |
| 8. | | Dental caries in permanent teeth. | | |
| 9 | | Acute puplitis in primary teeth.  Chronic puplitis in primary teeth.Apical periodontitis. Periodontitis in primary teeth. | | |
| 10 | Periodontitis in permanent teeth. Instruments and materials used in root canal treatment. Mechanical techniques of root canal preparation. Chemical processing of the root canal. Filling of the root canals. | | | |  |

**Skills - VI semester**

1. Application anesthesia.

2. Infiltration anesthesia.

3. Decay treatment in primary teeth.

1. Decay treatment in permanent teeth.

5. Treatment of acute pulpitis in primary teeth.

6. Treatment of chronic pulpitis in primary teeth.

7. Treatment of acute pulpitis in permanent teeth.

8. Treatment of periodontitis in primary teeth.

9. Treatment of acute periodontitis in permanent teeth.

10. Treatment of chronic periodontitis in permanent teeth.

**LITERATURE AND MATERIALS:**

1. Əliyeva R.Q., Zeynalova. “ Uşaq Terapevtik stomatologiyası”
2. Əliyeva R.Q., Abbasova R.A “ Uşaqlarda diş xəstəlikləri”

3. Н.Б.Курякина. Детская терапевтическая стоматология.

4. В.К.Леонтьев, Л.П.Кисельников. Детская терапевтическая стомато­логия. Национальное руководство.

**COURSE WORK:**

There is no course work for this subject.

**PRACTICE:**

There is no internship for this subject.

**Head of the educational part: Doc. Imanov E.A.**