**Azerbaijan “I APPROVE”**

**Medical University Head of department**

 **of “Child Dentistry”**

 **professor Aliyeva R.Q.**

 **Discipline work program**

 **(syllabus)**

**Discipline work program**

**ORTHODONAL DISEASES IN CHILDREN**

**(Syllabus)**

**ITEM CODE**: 3226.01

**ITEM TYPE**: Required

**SEMESTER**: IX

**CREDITS**: 3

**SUBJECT FORM**: Full-time

**LANGUAGE OF TEACHING THE SUBJECT**: Azerbaijani,

 Russian, English

**SUBJECT TEACHERS**: Imanov E., Zeynalova G., Rustamov E., Novruzov Z., Shadlinskaya R., Hasanli N., Kulieva S., Əliyev T.

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**E-MАIL:** аzеrbstom@yаhoo.com

**PREREQUISITES**: no

**COREQUISITES**: no

DESCRIPTION OF THE COURSE:

The study of diseases of the maxillofacial region in children and adolescents, generalizing the theory and practice, bring to the students

**PURPOSE OF THE COURSE:**

To study and provide: diagnosis, etiology and treatment of orthodontic diseases of the maxillofacial region

COURSE RESULTS:

At the end of the course, students gain knowledge of the treatment of orthodontic diseases.

**SUBJECT TOPICS:**

1. Examination of patients in an orthodontic clinic, taking anamnesis, purchasing models and photographs.

 2. Calculation of the place in the dental arch.

 3. Bolton analysis.

 4. Analysis of orthopantomograms.

 5. Analysis of cephalometric x-rays.

 6. Steiner, McNamara, Tweed analysis. Drawing up a plan of orthodontic treatment.

 7. Carrying out analyses of Downs,Epker, etc. Drawing up a plan of orthodontic treatment.

 8.Hand x-ray analysis. Application in the planned treatment.

 9. Analysis of X-rays of the anterior-posterior projection of the skull. Application in planned treatment.

 10.Removable orthodontic appliances. Indications, contraindications, clinical and laboratory stages of manufacture.

11. Modern fixed orthodontic treatment technique. Edgeways technique.

 12. Technique of treatment of a straight wire.

 13.Fixed orthodontic appliances (Ankoraj)

 14. Anomalies of the dental arch. Adentia. Etiology, diagnostics and treatment methods.

15. Retention, infraocclusion. Etiology, diagnosis and treatment methods.

 16. Rotation, supra-occlusion. Etiology, diagnosis and treatment methods.

17. Diastema, transposition. Etiology, diagnosis and treatment methods.

 18. Distal anomaly. Etiology, clinic, diagnostics.

 19. Distal anomaly treatment methods.

 20. Mesial anomaly. Etiology, clinic, diagnostics.

 21. Mesial anomaly treatment methods.

 22. Open bite. Etiology, clinic, diagnostics.

 23. Open bite-treatment methods.

 24. Deep bite. Etiology, clinic, diagnostics.

 25. Deep bite - treatment methods.

 26. Cross bite. Etiology, clinic, diagnostics.

 27. Cross-bite treatment methods.

 28. Disocclusion. Etiology, clinic, diagnostics.

 29. Disocclusion - treatment methods.

30 .Cleft lip. Etiology. Clinic Diagnostic.

31. Cleft palate. Etiology, clinic, diagnostics.

 32. Cleft lip-treatment methods.

 33. Cleft palate-treatment methods.

 34. Methods of orthognathic surgery. Orthodontic treatment before surgery.

 35. Methods of orthognathic surgery. Postoperative orthodontic treatment.

 36. Retention period during orthodontic treatment. The use of removable retainers.

 37. Fixed retainer. Indications and contraindications.

 **LECTURE SUBJECT MATERIAL:**

The lecture material of the subject and tests are prepared in electronic form and placed in the information and innovation section.

University virtual address: www.amu.edu.az

 **INDEPENDENT WORKS:**

During the semester, 10 works are given. Completion of each assignment is estimated at 1 point.

The abstract must be in writing, in the form of a text file, volume 1-2 pages (font 12).

Plagiarism is not allowed, because each essay is a collection of individual student opinions.

TOPICS AND TERMS OF FREE WORKS

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| --- | --- | --- |
| № | topics | data |
| 1 | Orthopantomograms and analysis of cephalometric x-rays Stainer analysis |  |
| 2 | Removable orthodontic appliances.Indications,contraindication |  |
| 3 | Distal bite.Etiology,clinic,diagnostic |  |
| 4 | Mezial bite.Etiology,clinic,diagnostic |  |
| 5 | Deep bite.Etiology,clinic,diagnostic |  |
| 6 | Cross bite.Etiology,clinic,diagnostic |  |
| 7 | Open bite.Etiology,clinic,diagnostic |  |
| 8 | Cleft lip.Etiology,clinic,diagnostic |  |
| 9 | Methods of orthogranic surgery |  |
| 10 | Non removable orthodontic appliances |  |

**SKILLS - IX semester**

1. Filling in the medical history of orthodontic disease

2. Determination of the deficit of space on diagnostic models

3. Analysis of the orthopantomogram

4. Steiner's cephalometric analysis

5. McNamara's cephalometric analysis

6. Cephalometric anterio-posterior analysis

7. Preparation of the orthodontic appliance for children with cleft lip and palate

8. Application of removable orthodontic appliances

9. Application of fixed orthodontic appliances

10. Application of the retainer

**GRADE:**

Calculation of 100 points for a subject loan:

50 points - before the exam:

10 points - visit

10 points - independent work

10 points - clinical skills

20 points - the sum of the points received in the practical lessons.

50 points - the points obtained on the exam are summed up.

Exams are conducted on a test system. The tests consist of 50 questions. Each question is 1 point. For incorrectly answered questions, the scores of correctly answered questions are deleted

**NOTE:**

If the exam does not score at least 17 points, the pre-exam points will not be awarded. The points earned during and before the exam are added up and the final amount is estimated as follows.

**...**

A - "Excellent" -91 - 100

B - "Very good" - 81 - 90

C - "Good" - 71 - 80

D - "Satisfactory" - 61 - 70

E - "Satisfactory" - 51 - 60

F - "Unsatisfactory" - less than 51.

**LITERATURE:**

1. Alieva R.K. , S.B. Ulitovskiy Prevention of dental diseases.

2. Karaev Z.I., Alieva R.K., Novruzov Z.Kh. "Orthodontics"

3. F.Ya.Khoroshilkina Guide to Orthodontics.

4. LS Persin "Orthodontics" treatment of dental-maxillary anomalies.

**COURSE WORK:**

There is no coursework for this subject.

**PRACTICE:**

 On this subject, a production practice is provided.

 Head of the academic department Imanov E.A.