

**TAJIK NATIONAL UNIVERSITY
FACULTY OF MEDICINE
DEPARTMENT OF THERAPEUTIC DENTISTRY**

**CURRICULUM
IN THE DISCIPLINE OF THERAPEUTIC DENTISTRY
(for 3rd-year students majoring in 79010700 dentistry)**

Dushanbe – 2023

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DENTISTRY**

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of TNU Protocol no.____, from " ____ " _____ 2023 and submitted for
printing.

Chairman of the NMS TNU

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Medical Faculty of TNU protocol no.____, from " ____ " _____ 2023
submitted for printing.

Chairman of the NMS of the Faculty of Medicine

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INTRODUCTION

The curriculum on the subject "Therapeutic Dentistry" has been compiled for the preparation and training of students of higher educational institutions, training of specialists of the Republic of Tajikistan, depending on the type of training of the credit system on the basis of the State Standard of the Republic of Tajikistan adopted on September 1, 2021.

The educational subject "Therapeutic Dentistry" is an integral part of the discipline, "Dentistry", which studies the basics of the science of dentistry starting with familiarization with dental offices, tools, equipment, materials, methods of examination, diagnosis, prevention, and treatment of major dental diseases up to the rules of filling out medical documentation.

The subject "Therapeutic dentistry" belongs to the academic cycle of professional disciplines of the educational standard of higher professional education in the specialty "Dentistry", studied for the 5th semester. The study of this subject for future specialists will help to master the basic laws of the dentist's work, correctly and accurately carry out the prevention, diagnosis and treatment of dental diseases. The issues of therapeutic dentistry are of practical importance. The list of its main parts is compiled on the basis of an exemplary program, which consists of lectures and practical classes. The structure of this program gives students the basic concepts of therapeutic dentistry, and also helps to improve their practical skills.

The purpose of studying this subject consists of teaching students the basics of the science of dentistry, students' readiness to use modern methods of examination of dental patients in accordance with the procedures for providing medical care, current clinical recommendations (treatment protocols), the use of dental equipment, tools and materials for the treatment of dental caries and its complications.

The objectives of studying the subject are:

- to form knowledge of the theoretical foundations of modern methods of examination of the patient;
- to form the skills and application of modern methods of examination and treatment of dental caries and its complications;
- to form the skills and application of modern methods of examination and treatment of non-carious lesions of hard tissues of teeth;

- training will correctly fill out medical documentation when examining patients at the dentist's office;

-teaching the basic principles of the doctor's culture and deontology.

Thematic plan of topics of the subject "Therapeutic dentistry"

Total number of credits 5 (120 hours)

Theoretical lecture classroom classes – (48 hours)

Practical classroom classes – (48 hours) Independent work of students – (24 hours)

5TH SEMESTER (96 hours)

| P/n | Topic name | Number of hours | |
|-----|---|-----------------|------|
| | | Lecc. | Prac |
| 1. | Introduction to the specialty therapeutic dentistry. Examination of a dental patient. | 3 | |
| | Methods of examination of dental patients. Rules for the examination of the dentition. Preparation of equipment and tools for the dental office. The ability to conduct an examination of dental patients having the properties of treatment. | | 3 |
| 2. | Dental caries. The theory of the appearance of caries. The pathogenesis of caries, classification | 3 | |
| | Methods of diagnosis and treatment of dental caries. Equipment and tools for the examination and examination of dental caries. Probing of hard tissues and tooth pulp. Temperature examination of the tooth | | 3 |
| 3. | Caries in the spot stage. Superficial caries. Clinic, diagnostics, difdiagnostics. Methods of caries examination. Remineralization therapy. | 3 | |
| | Methods of caries preparation in the spot stage. Methods of caries examination. Remineralization therapy. Methods of examination of caries with a 2% solution of methylene blue | | 3 |
| 4. | Medium caries. Clinic, diagnostics, difdiagnostics. Methods of caries examination. | 3 | |
| | Methods of examination and treatment of medium caries. Differential diagnosis and pathological anatomy. Methods of examination. Filling of carious cavities of class 1-5 according to Black with cement materials. | | 3 |

| | | | |
|-----|--|---|---|
| 5. | Deep caries. Clinic, diagnostics, difdiagnostics. Methods of caries examination. | 3 | |
| | Methods of examination and treatment of deep caries. Differential diagnosis and pathological anatomy. Methods of examination. Filling of carious cavities of class 1-5 according to Black with composites and svetovysm materials. | | 3 |
| 6. | Errors and complications that occur during the diagnosis and treatment of dental caries. Methods of their elimination. | 3 | |
| | Methods of eliminating errors and complications of examination and treatment of restoration | | 3 |
| 7. | Pathology of hard tissues of teeth arising before teething. | 3 | |
| | Methods of examination and treatment of non-carious lesions of hard tissues of teeth before teething. The condition of the hard tissues of the teeth, with pathological erasability, wedge-shaped defect, enamel erosion. | | 3 |
| 8. | Hypoplasia, hyperplasia. Clinic, diagnostics, differential diagnosis, prevention and treatment. | 3 | |
| | Methods of examination and treatment of hypoplasia, hyperplasia. Differential diagnosis, prevention and treatment. Instrumental and medicinal methods of expanding the processing of fissures. | | 3 |
| 9. | Fluorosis. Clinic, diagnostics, differential diagnosis, prevention and treatment. | 3 | |
| | Methods of diagnosis and treatment of fluorosis. Differential diagnosis, prevention and treatment. | | 3 |
| 10. | Anomalies of the size, structure and discoloration of teeth. Clinic, diagnostics, differential diagnosis, prevention and treatment. | 3 | |
| | Methods of diagnosis and treatment of changes in the size, structure and color of teeth. | | 3 |
| 11. | Hereditary diseases of the hard tissues of the teeth. Imperfect amelogenesis and dentinogenesis, Stanton-Capdepon syndrome. Marble disease. | 3 | |

| | | | |
|-----|---|-----------|-----------|
| | Methods of diagnosis and treatment of hereditary diseases of the hard tissues of the teeth that occur after teething. Imperfect amelogenesis and dentinogenesis, Stanton-Capdepon syndrome, Marble disease. | | 3 |
| 12. | Pathology of hard tissues of teeth of non-carious origin, arising after teething. | 3 | |
| | Methods of diagnosis and treatment of non-carious origin arising after teething. | | 3 |
| 13. | Erasability of hard tissues of teeth, pigmentation and dental deposits. Clinic, diagnostics, differential diagnosis, prevention and treatment. | 3 | |
| | Methods of diagnosis and treatment of erasability of hard tissues of teeth, pigmentation and dental deposits. | | 3 |
| 14. | Wedge-shaped defect. Erosion, necrosis of hard tissues of teeth. Clinic, diagnostics, differential diagnosis, prevention and treatment. | 3 | |
| | Methods of diagnosis and treatment of wedge-shaped defect, erosion, necrosis of hard tissues of teeth | | 3 |
| 15. | Hypersthesis. Clinic, diagnostics, differential diagnosis, prevention and treatment. | 3 | |
| | Methods of diagnosis and treatment of hypersthesis. Prevention and treatment. | | 3 |
| 16. | Methods of teeth whitening. | 3 | |
| | Methods, tools, devices and materials for teeth whitening. The ZOOM method. | | 3 |
| | Total: 96 hours | 48 | 48 |

THE CURRICULUM OF THE SUBJECT

Topic 1. Introduction to the specialty therapeutic dentistry. Examination of a dental patient.

A. Classroom lectures

Determination of the main and additional methods of examination of patients. Correct and reliable collection of anamnesis of the disease. Collection and analysis of external examination and oral cavity examination data: vestibule, oral cavity, hard and soft palate, tongue and dentition. Discussion of the results of additional survey methods. Comparison of the X-

ray image of dental and periodontal diseases. Maintaining medical records. The concept of ethics and deontology in dentistry.

B. Classroom practical classes

Methods of examination of dental patients. Rules for the examination of the dentition. Preparation of equipment and tools for the dental office. The ability to conduct an examination of dental patients having the properties of treatment.

Literature

1. Volkova E.A., Yanushevich O.O. Therapeutic dentistry. Part 1. Dental diseases. Moscow, 2015.
2. Nikolaev A.I., Tsepov L.M. Phantom course of therapeutic dentistry. Moscow, 2015.
3. Nikolaev A. I. Practical therapeutic dentistry. / Nikolaev A. I., Tsepov L. M. - M.: MEDpress-inform, 2010, 2015.
4. Ruzin G.P. Fundamentals of deontology and dentistry.- Kiev, 2008.

Topic No. 2. Dental caries. The theory of the appearance of caries. Pathogenesis of caries, classification.

A. Classroom lectures

Determination of dental caries. Discussion of theories of the etiology and pathogenesis of dental caries. The role of scientists from the near abroad A.E. Sharpenak, E. Platonov, I.G., Lukomsky, D.A. Entin in the study of the etiopathogenesis of dental caries. The role of scientists from abroad: Miller, Shats-Martin in the study of the etiopathogenesis of dental caries. The working concept of dental caries according to A.I. Rybakov, the modern concept of E.V. Borovsky, N.P. Leus and V.K. Leontiev in the occurrence of carie

B. Classroom practical classes

Methods of diagnosis and treatment of dental caries. Equipment and tools for the examination and examination of dental caries. Probing of hard tissues and tooth pulp. Temperature examination of the tooth.

Literature

1. Volkova E.A., Yanushevich O.O. Therapeutic dentistry. Part 1. Dental diseases. Moscow, 2015.
2. Nikolaev A.I., Tsepov L.M. Phantom course of therapeutic dentistry. Moscow, 2015.
3. Nikolaev A. I. Practical therapeutic dentistry. / Nikolaev A. I., Tsepov L. M. - M.: MEDpress-inform, 2010, 2015.
4. Ruzin G.P. Fundamentals of deontology and dentistry.- Kiev, 2008.

Topic 3. Caries in the spot stage. Superficial caries. Clinic, diagnostics, difdiagnostics. Methods of caries examination. Remineralization therapy.

A. Classroom lectures

Caries in the spot stage. Superficial caries. Clinic, diagnostics, difdiagnostics. Methods of examination of caries in the spot stage. Remineralization therapy. Classification of dental caries. The clinical process of caries in the spot stage. Differential diagnosis of caries in the spot stage. Pathological anatomy.

B. Classroom practical classes

Methods of caries preparation in the spot stage. Methods of caries examination. Remineralization therapy. Methods of examination of caries with a 2% solution of methylene blue.

Literature

1. Volkova E.A., Yanushevich O.O. Therapeutic dentistry. Part 1. Dental diseases. Moscow, 2015.

2. Nikolaev A.I., Tsepov L.M. Phantom course of therapeutic dentistry. Moscow, 2015.

3. Nikolaev A. I. Practical therapeutic dentistry. / Nikolaev A. I., Tsepov L. M. - M.: MEDpress-inform, 2010, 2015.

4. Maksimovsky Yu. M. Therapeutic dentistry: /Maksimovsky Yu. M., Mitronin A.V. - M.: GEOTAR -Media, 2011

Topic No. 4. Medium caries. Clinic, diagnostics, difdiagnostics. Methods of examination of caries.

A. Classroom lectures

Medium caries. Clinic, diagnostics, differential diagnosis, pathological anatomy. Methods of examination of caries in the spot stage. The clinical process of medium caries. Differential diagnosis of medium caries. Features of preparation of carious cavities depending on the caries process. Principles of preparation and filling of carious cavities with light-curing materials.

B. Classroom practical classes

Methods of examination and treatment of medium caries. Differential diagnosis and pathological anatomy. Methods of examination.

Literature

1. Makeeva I. M. Restoration of teeth with light-cured composite materials. practical hands. for dentists-therapists / Makeeva I. M., Nikolaev A. I. - M.: MEDpress-inform, 2011.

2. Nikolaev A.I., Tsepov L.M. Phantom course of therapeutic dentistry. M.: Moscow , 2015

3. Nikolaev A. I. Practical therapeutic dentistry. / Nikolaev A. I., Tsepov L. M. - M.: MEDpress-inform, 2010, 2015.

4. Maksimovsky Yu. M. Therapeutic dentistry: /Maksimovsky Yu. M., Mitronin A.V. - M.: GEOTAR -Media, 2011

Topic No. 5. Deep caries. Clinic, diagnostics, difdiagnostics. Methods of caries examination.

A. Classroom lectures

Deep caries. Clinic, diagnostics, difdiagnostics. Methods of caries examination. Clinical process of deep caries. Differential diagnosis of deep caries. Features of preparation of carious cavities depending on the caries process. Principles of preparation and filling of carious cavities with light-curing materials.

B. Classroom practical classes

Methods of examination and treatment of deep caries. Differential diagnosis and pathological anatomy. Diagnostic methods. Filling of carious cavities of class 1-5 according to Black with composites and light materials.

Literature.

1. Makeeva I. M. Restoration of teeth with light-cured composite materials. practical hands. for dentists-therapists / Makeeva I. M., Nikolaev A. I. - M.: MEDpress-inform, 2011.

2. Nikolaev A.I., Tsepov L.M. Phantom course of therapeutic dentistry. M.: Moscow , 2015

3. Nikolaev A. I. Practical therapeutic dentistry. / Nikolaev A. I., Tsepov L. M. - M.: MEDpress-inform, 2010, 2015.

4. Maksimovsky Yu. M. Therapeutic dentistry: /Maksimovsky Yu. M., Mitronin A.V. - M.: GEOTAR -Media, 2011

Topic 6. Errors and complications arising during the diagnosis and treatment of dental caries. Methods of their elimination.

A. Classroom lectures

Errors and complications arising during the diagnosis and treatment of dental caries. Possible errors in the diagnosis and differential diagnosis of dental caries. Errors of restoration treatment at the stages of: the formation of a carious cavity, the choice of filling material, the use of an adhesive system, final treatment, restoration, modeling, final treatment, restoration. Methods of their elimination.

B. Classroom practical exercises

Methods of eliminating errors and complications of examination and treatment by restoration method.

Literature

1. Makeeva I. M. Restoration of teeth with light-cured composite materials. practical hands. for dentists-therapists / Makeeva I. M., Nikolaev A. I. - M.: MEDpress-inform, 2011.

2. Therapeutic dentistry. / L. A. Dmitrieva, Yu. M. Maksimovsky. - M.: GEOTAR-Media , 2009

3. Nikolaev A. I. Practical therapeutic dentistry. / Nikolaev A. I., Tsepov L. M. - M.: MEDpress-inform, 2010, 2015.

4. Maksimovsky Yu. M. Therapeutic dentistry: /Maksimovsky Yu. M., Mitronin A.V. - M.: GEOTAR -Media, 2011

Topic 7. Pathology of hard tissues of teeth arising before teething.

A. Classroom lectures

Pathology of hard tissues of teeth arising before teething. Erasability of hard tissues, pigmentation and dental deposits. Clinic, diagnosis and treatment. The concept of the term “non-carious lesions of hard tissues of teeth”. Classification of non-carious lesions of hard tissues of teeth according to V.K.Patrikeev. Classification of non-carious lesions of hard tissues of teeth according to WHO. Classification of non-carious lesions of hard tissues of teeth according to ICD-10.

B. Classroom practical classes

Methods of examination and treatment of non-carious lesions of hard tissues of teeth before teething. The condition of the hard tissues of the teeth, with pathological erasability, wedge-shaped defect, enamel erosion.

Literature

1. Borovsky E. V. Therapeutic dentistry: textbook for students of medical universities /Borovsky E. V., Ivanov V. S., Banchenko G. V. et al. - M.: 2011

2. Therapeutic dentistry. /L. A. Dmitrieva, Yu. M. Maksimovsky. - M.: GEOTAR-Media , 2009

3. Nikolaev A. I. Practical therapeutic dentistry. / Nikolaev A. I., Tsepov L. M. - M.: MEDpress-inform, 2010, 2015.

4. Maksimovsky Yu. M. Therapeutic dentistry: /Maksimovsky Yu. M., Mitronin A.V. - M.: GEOTAR -Media, 2011

Topic 8. Hypoplasia, hyperplasia. Clinic, diagnostics, difdiagnostics, prevention and treatment.

A. Classroom lectures

Hypoplasia, hyperplasia. Clinic, diagnostics, differential diagnosis, prevention and treatment. Etiology of non-carious lesions of hard tissues of teeth. Etiology of hypoplasia of tooth enamel. Clinical types of systemic hypoplasia: discoloration, incomplete maturation and absence of enamel. Teeth of Getchinson, Fournet, Pfluger. Differential diagnosis of systemic hypoplasia of tooth enamel. Treatment and prevention of systemic hypoplasia. Causes and clinical manifestations of local hypoplasia. Turner's teeth. Treatment and prevention of local hypoplasia. Clinical manifestations of hyperplasia.

B. Classroom practical exercises

Methods of examination and treatment of hypoplasia, hyperplasia. Differential diagnosis, prevention and treatment. Instrumental and medicinal methods of expanding the processing of fissures.

Literature

1. Borovsky E. V. Therapeutic dentistry: textbook for students of medical universities /Borovsky E. V., Ivanov V. S., Banchenko G. V. et al. - M.: 2011

2. Therapeutic dentistry. /L. A. Dmitrieva, Yu. M. Maksimovsky. - M.: GEOTAR-Media , 2009

3.Nikolaev A. I. Practical therapeutic dentistry. / Nikolaev A. I., Tsepov L. M. - M.: MEDpress-inform, 2010, 2015.

4.Maksimovsky Yu. M. Therapeutic dentistry: /Maksimovsky Yu. M., Mitronin A.V. - M.: GEOTAR -Media, 2011

Topic 9. Fluorosis. Clinic, diagnostics, difdiagnostics, prevention and treatment.

A. Classroom lectures

Discussion of the causes of endemic fluorosis. Carrying out modern therapeutic and preventive measures of dental fluorosis. Explanation of clinical types of dental fluorosis based on the national classification and WHO classification. Differential diagnosis of fluorosis from initial and superficial caries.

B. Classroom practical classes

Methods of diagnosis and treatment of fluorosis. Differential diagnosis, prevention and treatment.

Literature

1. Borovsky E. V. Therapeutic dentistry: textbook for students of medical universities /Borovsky E. V., Ivanov V. S., Banchenko G. V. et al. - M.: 2011

2. Therapeutic dentistry. /L. A. Dmitrieva, Yu. M. Maksimovsky. - M.: GEOTAR-Media , 2009

3.Nikolaev A. I. Practical therapeutic dentistry. / Nikolaev A. I., Tsepov L. M. - M.: MEDpress-inform, 2010, 2015.

4.Maksimovsky Yu. M. Therapeutic dentistry: /Maksimovsky Yu. M., Mitronin A.V. - M.: GEOTAR -Media, 2011

Topic 10. Anomalies of the size, structure and discoloration of teeth. Clinic, diagnostics, difdiagnostics, prevention and treatment.

A. Classroom lectures Anomalies of the size, structure and discoloration of teeth. Clinic, diagnostics, differential diagnosis, prevention and treatment. Properties of filling materials and indications for the use of various clinical situations.

B. Classroom practical classes Methods of diagnosis and treatment of changes in the size, structure and color of teeth.

Literature

1. Borovsky E. V. Therapeutic dentistry: textbook for students of medical universities /Borovsky E. V., Ivanov V. S., Banchenko G. V. et al. - M.: 2011

2. Therapeutic dentistry. /L. A. Dmitrieva, Yu. M. Maksimovsky. - M.: GEOTAR-Media , 2009

3.Nikolaev A. I. Practical therapeutic dentistry. / Nikolaev A. I., Tsepov L. M. - M.: MEDpress-inform, 2010, 2015.

4.Maksimovsky Yu. M. Therapeutic dentistry: /Maksimovsky Yu. M., Mitronin A.V. - M.: GEOTAR -Media, 2011

Topic 11. Hereditary diseases of hard tissues of teeth. Imperfect amelogenesis and dentinogenesis, Stanton-Capdepon syndrome. Marble disease.

A. Classroom lectures

Hereditary diseases of the hard tissues of the teeth. Amelogenesis and imperfect dentinogenesis. Hereditary diseases of the hard tissues of the teeth. Imperfect amelogenesis and dentinogenesis, Stanton-Capdepon syndrome. Marble disease. Discussion of X-rays. Treatment of hereditary diseases of the hard tissues of the teeth. Examination of pathological erasability and determination of indications for medical care in orthopedics. Elimination of tooth erasability by mechanical-manual, ultrasound and light method.

B. Classroom practical classes

Methods of diagnosis and treatment of hereditary diseases of the hard tissues of the teeth that occur after teething. Imperfect amelogenesis and dentinogenesis, Stanton-Capdepon syndrome, Marble disease.

Literature

1. Borovsky E. V. Therapeutic dentistry: textbook for students of medical universities /Borovsky E. V., Ivanov V. S., Banchenko G. V. et al. - M.: 2011
2. Therapeutic dentistry. /L. A. Dmitrieva, Yu. M. Maksimovsky. - M.: GEOTAR-Media , 2009
3. Nikolaev A. I. Practical therapeutic dentistry. / Nikolaev A. I., Tsepov L. M. - M.: MEDpress-inform, 2010, 2015.
4. Maksimovsky Yu. M. Therapeutic dentistry: /Maksimovsky Yu. M., Mitronin A.V. - M.: GEOTAR -Media, 2011

Topic 12. Pathology of hard tissues of teeth of non-carious origin, arising after teething.

A. Classroom lectures

Pathology of hard tissues of teeth of non-carious origin, arising after teething. Etiology, pathogenesis, diagnostics, differential diagnosis, clinic, treatment.

B. Classroom practical classes

Methods of diagnosis and treatment of non-carious origin arising after teething.

Literature

1. Borovsky E. V. Therapeutic dentistry: textbook for students of medical universities /Borovsky E. V., Ivanov V. S., Banchenko G. V. et al. - M.: 2011
2. Therapeutic dentistry. /L. A. Dmitrieva, Yu. M. Maksimovsky. - M.: GEOTAR-Media , 2009
3. Nikolaev A. I. Practical therapeutic dentistry. / Nikolaev A. I., Tsepov L. M. - M.: MEDpress-inform, 2010, 2015.
4. Maksimovsky Yu. M. Therapeutic dentistry: /Maksimovsky Yu. M., Mitronin A.V. - M.: GEOTAR -Media, 2011

Topic 13. Erasability of hard tissues of teeth, pigmentation and dental deposits. Clinic, diagnostics, difdiagnostics, prevention and treatment.

A. Classroom lectures

Erasability of hard tissues of teeth, pigmentation and dental deposits of teeth. Etiology, pathogenesis, clinic, diagnostics, differential diagnosis, prevention and treatment.

B. Classroom practical classes

Methods of diagnosis and treatment of erasability of hard tissues of teeth, pigmentation and dental deposits.

Literature

1. Borovsky E. V. Therapeutic dentistry: textbook for students of medical universities /Borovsky E. V., Ivanov V. S., Banchenko G. V. et al. - M.: 2011

2. Therapeutic dentistry. /L. A. Dmitrieva, Yu. M. Maksimovsky. - M.: GEOTAR-Media , 2009

3.Nikolaev A. I. Practical therapeutic dentistry. / Nikolaev A. I., Tsepov L. M. - M.: MEDpress-inform, 2010, 2015.

4.Maksimovsky Yu. M. Therapeutic dentistry: /Maksimovsky Yu. M., Mitronin A.V. - M.: GEOTAR -Media, 2011

Topic 14. Wedge-shaped defect. Erosion, necrosis of hard tissues of teeth. Clinic, diagnostics, difdiagnostics, prevention and treatment.

A. Classroom lectures

Wedge-shaped defect. Erosion, necrosis of hard tissues of teeth. Clinic, diagnostics, difdiagnostics, prevention and treatment.

B. Classroom practical classes

Methods of diagnosis and treatment of wedge-shaped defect, erosion, necrosis of hard tissues of teeth.

Literature

1. Borovsky E. V. Therapeutic dentistry: textbook for students of medical universities /Borovsky E. V., Ivanov V. S., Banchenko G. V. et al. - M.: 2011

2. Therapeutic dentistry. /L. A. Dmitrieva, Yu. M. Maksimovsky. - M.: GEOTAR-Media , 2009

3.Nikolaev A. I. Practical therapeutic dentistry. / Nikolaev A. I., Tsepov L. M. - M.: MEDpress-inform, 2010, 2015.

4.Maksimovsky Yu. M. Therapeutic dentistry: /Maksimovsky Yu. M., Mitronin A.V. - M.: GEOTAR -Media, 2011

Topic 15. Hypersthesia. Clinic, diagnostics, difdiagnostics, prevention and treatment.

A. Classroom lectures

Hypersthesia. Clinic, diagnostics, difdiagnostics, prevention and treatment.

B. Classroom practical classes

Methods of diagnosis and treatment of hypersthesia. Prevention and treatment.

Literature

1. Borovsky E. V. Therapeutic dentistry: textbook for students of medical universities /Borovsky E. V., Ivanov V. S., Banchenko G. V. et al. - M.: 2011

2. Therapeutic dentistry. /L. A. Dmitrieva, Yu. M. Maksimovsky. - M.: GEOTAR-Media , 2009

3.Nikolaev A. I. Practical therapeutic dentistry. / Nikolaev A. I., Tsepov L. M. - M.: MEDpress-inform, 2010, 2015.

4.Maksimovsky Yu. M. Therapeutic dentistry: /Maksimovsky Yu. M., Mitronin A.V. - M.: GEOTAR -Media, 2011

Topic 16. Methods of teeth whitening.

A. Classroom lectures

Indications and contraindications of teeth whitening. Whitening of living and devital teeth. Methods and materials of external, internal and mixed bleaching. ZOOM whitening methods. Microabrasion of tooth enamel. Determination of indications and contraindications for teeth whitening. Depending on the complication of discoloritis of teeth, choose the appropriate material for whitening.

B. Classroom practical classes

Methods, tools, devices and materials for teeth whitening. The ZOOM method.

Literature

1. Borovsky E. V. Therapeutic dentistry: textbook for students of medical universities /Borovsky E. V., Ivanov V. S., Banchenko G. V. et al. - M.: 2011

2. Therapeutic dentistry. /L. A. Dmitrieva, Yu. M. Maksimovsky. - M.: GEOTAR-Media , 2009

3.Nikolaev A. I. Practical therapeutic dentistry. / Nikolaev A. I., Tsepov L. M. - M.: MEDpress-inform, 2010, 2015.

4.Maksimovsky Yu. M. Therapeutic dentistry: /Maksimovsky Yu. M., Mitronin A.V. - M.: GEOTAR -Media, 2011

List of literature

1. Abulmasova N.N., Nikolaev A.I. Propaedeutics of dental diseases. M.: Medicine, 2015.

2. Ashurov G.G. Juraeva S.F. Therapeutic dentistry. Dushanbe, 2009. 160 p. 8.Borovsky E.V. Therapeutic dentistry. Moscow, 2007.

3. Borovsky E. V. Therapeutic dentistry: textbook for students of medical universities /Borovsky E. V., Ivanov V. S., Banchenko G. V. et al. - M.: 2011
4. Bazikyan E.A. Practical guide to endodontics. – M., 2007.
5. Boyd L. Dental instruments. Illustrative reference book (translated from English). –M., 2007.
6. Borisenko A.V. Therapeutic dentistry in 4 volumes. Vol.1. Phantom course.- Kiev, 2009.
7. Volkova E.A., Yanushevich O.O. Therapeutic dentistry. Part 1. Dental diseases. Moscow, 2015.
8. Gutman D.L., Dumsha T.S., Lovdel P.E. Solving problems in endodontics. Moscow: MEDpress-inform, 2008.
9. Ivanova E.N. Modern filling materials. Composites and glass-polymer cements. –RnD., 2007.
10. Kalivrajyan E.S., Bragin E.A., Abakarov S.I., Zholudev S.E. Propaedeutic dentistry. M.: Medicine, 2014.
11. Lobovkina L.A., Algorithm of aesthetic restoration of anterior and lateral teeth. –M., 2008.
12. Lomiashvili L.M. Artistic modeling and restoration of teeth. -M., 2008.
13. Mammadova L.A., Podoinikova M.N. Errors and complications in endodontics.- M.: Med.book, 2006.
14. Maksimovsky Yu. M. Therapeutic dentistry: /Maksimovsky Yu. M., Mitronin A.V. - M.: GEOTAR -Media, 2011
15. Makeeva I. M. Restoration of teeth with light-cured composite materials. practical hands. for dentists-therapists / Makeeva I. M., Nikolaev A. I. - M.: MEDpress-inform, 2011.
16. Mikhalchenko V. F. Caries and its complications /I. V. Firsova [et al.] - Volgograd: Phoenix, 2011
17. Nikolaev A. I. Practical therapeutic dentistry. / Nikolaev A. I., Tsepov L. M. - M.: MEDpress-inform, 2010, 2015.
18. Nikolaev A.I., Tsepov L.M. Practical therapeutic dentistry, M.: Mosca, 2014.
19. Nikolaev A.I., Tsepov L.M. Phantom course of therapeutic dentistry. Moscow: Moscow, 2015
20. Nikolaev A.I. Preparation of carious cavities. – M., 2006.6. Therapeutic dentistry textbook for universities /G. M. Barera. - M.: GEOTAR-Media, 2009, 2010
21. Ruzin G.P. Fundamentals of deontology and dentistry.- Kiev, 2008.

22.Salova A.V. Restoration of contact areas of teeth using matrix systems. –M., 2008

23. Therapeutic dentistry. /L. A. Dmitrieva, Yu. M. Maksimovsky. - M.: GEOTAR-Media , 2009

24.Yanushevich O.O. Propaedeutics of dental diseases: textbook. – Moscow: GEOTAR- Media, 2020.-800 p.

Websites and electronic media:

<http://sinolib.tj/-book/>Therapeutic dentistry. National leadership. Pdf

<http://sinolib.tj/-book/>Propaedeutics of therapeutic stomatology. Pdf

<http://sinolib.tj/-book/> Atlas of the phantom course in therapeutic dentistry. Pdf
<http://sinolib.tj/-book/> Propaedeutics of dental diseases. Clinical endodontics. Pdf

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