

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

**CURRICULUM
IN THE DISCIPLINE OF PROPAEDEUTICS OF DENTAL
DISEASES
(for 2nd-year students in the specialty 79010700 dentistry)**

Dushanbe – 2023

TAJIK NATIONAL UNIVERSITY
FACULTY OF MEDICINE
DEPARTMENT OF THERAPEUTIC DENTISTRY

CURRICULUM
IN THE DISCIPLINE OF PROPAEDEUTICS OF DENTAL DISEASES
(for 2nd–year students in the specialty 79010700 dentistry)

Compilers:

Khamidova T.M.-Candidate of Medical Sciences, Associate Professor,
Acting head of the Department. terap. stomat.

Abdulloev I.B. - assistant of the Department of terap. Dentistry

Sharipov M. - Assistant of the Department of terap. dentistry

Godirova D.R. - Assistant of the Department of terap. dentistry

Makhmudov K. - assistant of the Department of terap. Dentistry

Tursunova H.R. - Assistant of the Department of terap. dentistry

Majidov Sh.I. - assistant of the Department of terap. dentistry

Reviewers:

Yerakov F.M. - Candidate of Medical Sciences, Head of the
Department of Therapeutic Dentistry of the Abuali Ibni Sino TSMU

Rafieva Z. - MD, Professor, Head of the Department of Obstetrics and
Gynecology of the Medical Faculty of TNU.

Approved by the decision of the Scientific and Methodological Council
of TNU Protocol no.____, from "____" _____ 2023 and submitted for
printing.

Chairman of the NMS TNU By the decision of the Scientific and
Methodological Council of the Medical Faculty of TNU protocol no.____,
from "____" _____ 2022 submitted for printing.

Chairman of the NMS of the Faculty of Medicine,

Associate Professor Karimova O.A.

INTRODUCTION

The curriculum on the subject "Propaedeutics of dental diseases" has been compiled for the preparation and training of students of a higher educational institution, 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 academic subject "Propaedeutics of dental diseases" 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 prevention, diagnosis, treatment of major dental diseases up to the rules of filling out medical documentation. The academic subject "Propaedeutics of dental diseases" refers to the academic cycle of professional disciplines of the educational standard of higher professional education in the specialty "Dentistry", studied for the 3rd 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 propaedeutics 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 propaedeutics 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 the anatomical and functional state of the oral cavity;
- to form the skills and abilities of using tools, equipment and materials for examination and treatment;
- to form the skills of prevention, examination of dental patients;

Schedule of thematic classes on the subject "Propaedeutics of dental diseases"

Number of total hours: 48 of them: 24 hours of lectures and 24 hours of classroom practical classes

3RD SEMESTER (48 hours)

P/n	Topic name	Number of hours	
		Lecc.	Prak.
1.	Introduction to the specialty dentistry. The purpose and issues of propaedeutic dentistry. Dentist-therapist's office.	2	
	Introduction to the specialty dentist. The purpose and issues of propaedeutic dentistry. Dentist-therapist's office. Equipment and tools.		2
2.	Dental instruments used in the dentist's office of the therapist.	2	
	Care of dental instruments and installation. Disinfection and sterilization.		2
3.	The dental system. General information about the structure of the tooth and surrounding tissues. Histological structure of tooth tissues.	2	
	Histology of tooth structure tissues. The structure of enamel, dentin and cement of the tooth root. Private anatomy of teeth. Anatomical structure of teeth. Incisors, canines, premolars and molars.		2
4.	Histology of tooth structure tissues. The structure of enamel, dentin and cement of the tooth root. Private anatomy of teeth. Anatomical structure of teeth. Incisors, canines, premolars and molars.	2	
	The structure and properties of the anatomy of temporary and permanent teeth. The timing of teething.		2
5.	General information about dental caries. Methods of preparation of carious cavities.	2	
	Classification of carious cavities. Preparation of carious cavities according to the classification of Black class 1 and 2.		2

6.	Classification of carious cavities according to Black.	2	
	Stages, methods, types and preparation of carious cavities. Preparation of carious cavities according to the classification of Black class 3, 4, 5, 6.		2
7.	The concept of "filling" and "tooth restoration". Requirements for the "ideal" filling material.	2	
	Composition and properties of composite filling materials. Methods of kneading and setting the seal.		2
8.	Modern tools and accessories for filling defects of hard tissues of teeth, grinding and polishing.	2	
	Filling materials, classification. The technique of stirring and filling the carious cavity of artificial and permanent teeth.		2
9.	Dental cements. Comprehensive information about dental cements	1	
	Properties of the topographic structure and anatomy of the root canals of temporary and permanent teeth.		1
10.	Composite materials. General information about composites.	1	
	Methods of opening cavities of temporary and permanent teeth: incisors, canines, premolars and molars.		1
11.	Endodontics. Basic clinical and anatomical concepts. Pulpitis and periodontitis. Methods of endodontic treatment.	1	
	Methods of passage of root canals of teeth. Preparation of artificial and permanent teeth.		1
12.	Medications used in endodontics. Means for devitalization of tooth pulp.	1	
	Methods of devital amputation and extrapation. reparation of temporary and permanent teeth.		1
13.	The main stages of endodontic treatment.	1	
	Methods of medical treatment of artificial and permanent teeth. The composition, positive and negative properties of preparations for the treatment of root canals		1
14.	Endodontic treatment for impassable root canals. Impregnation methods. Copper-Calcium hydroxide Dephoresis.	1	
	The composition, positive and negative properties of preparations for the treatment of root canals.		1

15.	Restoration of endodontic dental treatment using intra-channel pin posts.	1	
	Removal of filling material from the root canals of the teeth. Methods and stages, technique of execution. Preparation of temporary and permanent teeth.		1
16.	Professional teeth cleaning.	1	
	Endodontic treatment, prevention and elimination of errors.		1
	Total: 48 hours	24	24

THE CURRICULUM OF THE SUBJECT

Topic 1. Introduction to the specialty dentistry. The purpose and issues of propaedeutics of dental diseases.

A. Classroom lectures Introduction to the specialty therapeutic dentistry.

The purpose and issues of propaedeutic dentistry. The structure of dental care in the Republic of Tatarstan. Dental clinic. Equipment of the therapeutic dental cabinet. Basic dental equipment and tools. Dentist-therapist's office. Functional responsibilities of a dentist and medical staff. The main requirements for the work of a dental office.

B. Classroom practical classes Introduction to the specialty dentist.

The purpose and issues of propaedeutic dentistry. Dentist-therapist's office. Equipment and tools. Sanitary and hygienic regime in therapeutic dentistry.

Literature

1. Tokhtakhodzhaeva S.T., Subkhonov S.S. Propaedeutics of dental diseases. Dushanbe, 2011. 326 g .
2. Abulmasova N.N., Nikolaev A.I. Propaedeutics of dental diseases. M.: Medicine, 2015
3. Borovsky E.V. Therapeutic dentistry. Moscow, 2007.
4. Yanushevich O.O. Propaedeutics of dental diseases: textbook. – Moscow: GEOTAR- Media, 2020.-800 p.

Topic 2. Dental instruments used in the dentist therapist's office.

A. Classroom lectures

Dental instruments used in the dentist's office of the therapist, the technique of use. Clas-sification of tools and their purpose. Care of instruments and dental equipment. Aseptics and antiseptics in dentistry. Neutralization and sterilization and surveillance.

B. Classroom practical classes

Care of dental instruments and installation. Disinfection and sterilization. Modern disin-fectants, methods of their breeding.

Literature

1. Tokhtakhodzhaeva S.T., Subkhonov S.S. Propaedeutics of dental diseases. Dushanbe, 2011. 326 g .
2. Abulmasova N.N., Nikolaev A.I. Propaedeutics of dental diseases. M.: Medicine, 2015
3. Borovsky E.V. Therapeutic dentistry. Moscow, 2007.
4. Yanushevich O.O. Propaedeutics of dental diseases: textbook. – Moscow: GEOTAR- Media, 2020.-800 p.

Topic 3. The dental system. General information about the structure of the tooth and surrounding tissues. Histological structure of tooth tissues.

A. Classroom lectures

The dental system. General information about the structure of the tooth and surrounding tissues. Histological structure of dental tissues. Embryogenesis of the dental-maxillary system. Histological structure, enamel, dentin and cement of the tooth root.

B. Classroom practical classes

Draw the histological structure of the tooth tissues on the album.

Literature

1. Tokhtakhodzhaeva S.T., Subkhonov S.S. Propaedeutics of dental diseases. Dushanbe, 2011. 326 g .
2. Abulmasova N.N., Nikolaev A.I. Propaedeutics of dental diseases. M.: Medicine, 2015
3. Borovsky E.V. Therapeutic dentistry. Moscow, 2007.
4. Yanushevich O.O. Propaedeutics of dental diseases: textbook. – Moscow: GEOTAR- Media, 2020.-800 p.

Topic 4. Private anatomy of teeth. Anatomical structure of teeth. Incisors, canines, premolars and molars.

A. Classroom lectures

Private anatomy of teeth. Clinical anatomy of organs and tissues of the maxillofacial region. The dental system. The concept. The structure of the facial skeleton. Clinical anatomy of human teeth. Dentition rows. Factors that ensure the stability of teeth.

B. Classroom practical classes

C. Draw the structure of the anatomy of temporary and permanent teeth on the album.

Literature

1. Tokhtakhodzhaeva S.T., Subkhonov S.S. Propaedeutics of dental diseases. Dushanbe, 2011. 326 g .
2. Abulmasova N.N., Nikolaev A.I. Propaedeutics of dental diseases. M.: Medicine, 2015
3. Borovsky E.V. Therapeutic dentistry. Moscow, 2007.
4. Yanushevich O.O. Propaedeutics of dental diseases: textbook. – Moscow: GEOTAR- Media, 2020.-800 p.

Topic No. 5. General information about dental caries. Methods of preparation of carious cavities.

A. Classroom lectures

General information about dental caries. Methods of preparation of cari-oz cavities. The main stages and principles of preparation of carious cavities. Tools for the preparation of carious cavities by mechanical means. Classification of carious cavities according to Black. The main stages and rules of preparation of cavities according to Black.

B. Classroom practical classes

The choice of preparation tactics taking into account the individual caries-resistance and properties of the applied filling materials. The main stages and principles of preparation of carious cavities. Classification of carious cavities.

Literature.

1. Boyd L. Dental instruments. Illustrative reference book (translated from English). –M., 2007.

2. Borisenko A.V. Therapeutic dentistry in 4 volumes. Vol.1. Phantom course.- Kiev, 2009.

3. Borovsky E.V. Therapeutic dentistry. Moscow, 2007.

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

Topic 6. Classification of carious cavities according to Black.

A. Classroom lectures

Classification of carious cavities according to Black. The main stages and rules of preparation of cavities by Black. A set of drills and abrasive tools for aesthetic restoration of chewing teeth with composites. Preparation of carious cavities according to the classification of Black classes 1, 2, 3, 4, 5, 6.

B. Classroom practical classes

Draw cavities of carious cavities according to the classification of the Black class 1, 2, 3, 4, 5, 6.

Literature.

1. Boyd L. Dental instruments. Illustrative reference book (translated from English). –M., 2007.

2. Borisenko A.V. Therapeutic dentistry in 4 volumes. Vol.1. Phantom course.- Kiev, 2009.

3. Borovsky E.V. Therapeutic dentistry. Moscow, 2007.

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

Topic 7. The concept of "filling" and "tooth restoration". Requirements for the "ideal" filling material.

A. Classroom lectures

The concept of "filling" and "tooth restoration". Requirements for the "ideal" filling material. Options for applying permanent seals, insulating and therapeutic pads. Classification of dental filling materials.

B. Classroom practical classes

Composition and properties of composite filling materials. Methods of kneading and setting the seal.

Literature

1. Ivanova E.N. Modern filling materials. Composites and glass-polymer cements. –RnD., 2007.
2. Lobovkina L.A., Algorithm of aesthetic restoration of anterior and lateral teeth. –M., 2008.
3. Lomiashvili L.M. Artistic modeling and restoration of teeth. -M., 2008.
4. Maksimovsky Yu.M. Modern filling materials, in clinical dentistry, - M., 2008.

Topic 8. Modern tools and accessories for filling defects of hard tissues of teeth, grinding and polishing.

A. Classroom lectures

Modern tools and accessories for filling defects of hard tissues of teeth, grinding and polishing. Materials for bandages and temporary fillings. Materials for medical pads. Classification of sealing materials. Temporary and permanent sealing materials.

B. Classroom practical classes

Dental filling materials, the technique of their application.

Literature

1. Ivanova E.N. Modern filling materials. Composites and glass-polymer cements. –RnD., 2007.
2. Lobovkina L.A., Algorithm of aesthetic restoration of anterior and lateral teeth. –M., 2008.
3. Lomiashvili L.M. Artistic modeling and restoration of teeth. -M., 2008.
4. Maksimovsky Yu.M. Modern filling materials, in clinical dentistry, - M., 2008.

Topic 9. Dental cements. General information about dental cements.

A. Classroom lectures

Dental cements. General information about dental cements. Glass-gauge cements. Mineral cements.

B. Classroom practical classes

Structure and composition of dental cements, mixing methods.

Literature

1. Bazikyan E.A. Practical guide to endodontics. – M., 2007.
2. Abulmasova N.N., Nikolaev A.I. Propaedeutics of dental diseases. M.: Medicine, 2015.
3. Gutman D.L., Dumsha T.S., Lovdel P.E. Solving problems in endodontics. Moscow: MEDpress-inform, 2008.
4. Yanushevich O.O. Propaedeutics of dental diseases: textbook. – Moscow: GEOTAR- Media, 2020.-800.

Topic 10. Composite materials. General information about composites.

A. Classroom lectures

Composite materials. General information about composites: composition, methods of application, curing, polymerization shrinkage. Classification of composites. The main groups of composite materials used in the clinic of therapeutic dentistry. Compomers.

B. Classroom practical classes

Adhesive technologies for filling with composites. Methods of clinical application of composites.

Literature

1. Tokhtakhodzhaeva S.T., Subkhonov S.S. Propaedeutics of dental diseases. Dushanbe, 2011. 326 g .
2. Abulmasova N.N., Nikolaev A.I. Propaedeutics of dental diseases. M.: Medicine, 2015
3. Borovsky E.V. Therapeutic dentistry. Moscow, 2007.
4. Yanushevich O.O. Propaedeutics of dental diseases: textbook. – Moscow: GEOTAR- Media, 2020.-800 p.

Topic 11. Endodontics. Basic clinical and anatomical concepts. Pulpitis and periodontitis. Methods of endodontic treatment.

A. Classroom lectures

Endodontics. Basic clinical and anatomical concepts. Pulpitis and periodontitis. Methods of endodontic treatment. Endodontic instruments: classification, standardization, characteristics of separate groups of endodontic instruments. Endodontic accessories.

B. Classroom practical classes

Properties of the topographic structure and anatomy of the root canals of temporary and permanent teeth. Methods for detecting the mouths of root canals.

Literature

1. Tokhtakhodzhaeva S.T., Subkhonov S.S. Propaedeutics of dental diseases. Dushanbe, 2011. 326 g .
2. Abulmasova N.N., Nikolaev A.I. Propaedeutics of dental diseases. M.: Medicine, 2015
3. Borovsky E.V. Therapeutic dentistry. Moscow, 2007.
4. Yanushevich O.O. Propaedeutics of dental diseases: textbook. – Moscow: GEOTAR- Media, 2020.-800 p.

Topic 12. Medications used in endodontics. Means for devitalization of tooth pulp.

A. Classroom lectures

Medications used in endodontics. Means for devitalization of the tooth. Means and methods of medical treatment of root canals. Preparations for antiseptic dressings. Preparations for chemical expansion of root canals. Means to stop bleeding from root canals.

B. Classroom practical classes

Materials for temporary and permanent filling of root canals. Preparations for sealing root canals.

Literature

1. Tokhtakhodzhaeva S.T., Subkhonov S.S. Propaedeutics of dental diseases. Dushanbe, 2011. 326 g .
2. Abulmasova N.N., Nikolaev A.I. Propaedeutics of dental diseases. M.: Medicine, 2015
3. Borovsky E.V. Therapeutic dentistry. Moscow, 2007.
4. Yanushevich O.O. Propaedeutics of dental diseases: textbook. – Moscow: GEOTAR- Media, 2020.-800 p.

Topic 13. The main stages of endodontic treatment.

A. Classroom lectures

The main stages of endodontic treatment. Opening of the tooth cavity. Passage of root canals and determination of the working length.

Instrumental and medicamentous treatment of root canals. Stages and properties of opening cavities of temporary and permanent teeth: incisors, canines, premolars and molars. Tools used for opening teeth.

B. Classroom practical exercises

Methods of opening cavities of temporary and permanent teeth: incisors, canines, premolars and molars. Opening of the cavities of the zুবob on the dummies. Root canal filling. Classroom practical classes Materials for temporary and permanent filling of root canals. Preparations for sealing root canals.

Literature

1. Tokhtakhodzhaeva S.T., Subkhonov S.S. Propaedeutics of dental diseases. Dushanbe, 2011. 326 g .
2. Abulmasova N.N., Nikolaev A.I. Propaedeutics of dental diseases. M.: Medicine, 2015
3. Borovsky E.V. Therapeutic dentistry. Moscow, 2007.
4. Yanushevich O.O. Propaedeutics of dental diseases: textbook. – Moscow: GEOTAR- Media, 2020.-800 p.

Topic 14. Endodontic treatment for impassable root canals. Impregnation methods. Depoforesis of copper-calcium hydroxide.

A. Classroom lectures

Endodontic treatment for impassable root canals. Impregnation methods. Depoferesis of copper-calcium hydroxide. Criteria for the quality of endodontic treatment. A set of rotating instruments for endodontic treatment and post-canal preparation.

B. Classroom practical classes

Methods of passage of root canals of teeth. Preparation of artificial and permanent teeth. Opening of cavities on models.

Literature

1. Ivanova E.N. Modern filling materials. Composites and glass-polymer cements. –RnD., 2007.
2. Maksimovsky Yu.M. Modern filling materials in clinical dentistry, - M., 2008.
3. Borovsky E.V. Therapeutic dentistry. M.: Moscow, 2007.
4. Yanushevich O.O. Propaedeutics of dental diseases: textbook. – Moscow: GEOTAR- Media, 2020.-800 p.

Topic 15. Restoration of endodontic dental treatment using intra-channel pins- posts.

A. Classroom lectures

Restoration of endodontic dental treatment using intra-channel pins-posts.

B. Classroom practical classes

Errors in endodontic interventions, prevention and elimination of errors.

Literature

1. Tokhtakhodzhaeva S.T., Subkhonov S.S. Propaedeutics of dental diseases. Dushanbe, 2011. 326 g .
2. Abulmasova N.N., Nikolaev A.I. Propaedeutics of dental diseases. M.: Medicine, 2015
3. Borovsky E.V. Therapeutic dentistry. Moscow, 2007.
4. Yanushevich O.O. Propaedeutics of dental diseases: textbook. – Moscow: GEOTAR- Media, 2020.-800 p.

Topic 16. Professional teeth cleaning.

A. Classroom lectures

Professional teeth cleaning: tools, devices, methods. A set of drills and abrasive tools for processing the surface of the tooth when removing dental deposits.

B. Classroom practical classes

Medicines for professional teeth whitening, technique of carrying out.

Literature

1. Kalivrajian E.S., Bragin E.A., Abakarov S.I., Zholudev S.E. Propaedeutic dentistry. M.: Medicine, 2014.
2. Gutman D.L., Dumsha T.S., Lovdel P.E. Solving problems in endodontics. M.: MEDpress-inform, 2008 .
3. Bazikyan E.A. Practical guide to endodontics. – M., 2007.
4. Yanushevich O.O. Propaedeutics of dental diseases: textbook. – Moscow: GEOTAR- Media, 2020.-800 p.

List of literature

1. Iashurov G.G., Juraeva S.F. Therapeutic dentistry. Dushanbe, 2009. 160 p.
2. Tokhtakhodzhaeva S.T., Subkhonov S.S. Propaedeutics of dental diseases. Dushanbe, 2011. 326
3. Nikolaev A.I., Tsepov L.M. Practical therapeutic dentistry, Moscow: Mosca, 2014.
4. Nikolaev A.I., Tsepov L.M. Phantom course of therapeutic dentistry. Moscow: Moscow, 2015
5. Volkova E.A., Yanushevich O.O. Therapeutic dentistry. Part 1. Dental diseases. Moscow: Moscow, 2015.
6. Kalivrajyan E.S., Bragin E.A., Abakarov S.I., Zholudev S.E. Propaedeutic dentistry. M.: Medicine, 2014.
7. Abulmasova N.N., Nikolaev A.I. Propaedeutics of dental diseases. M.: Medicine, 2015.
8. Borovsky E.V. Therapeutic dentistry. Moscow, 2007.
9. Yanushevich O.O. Propaedeutics of dental diseases: textbook. – Moscow: GEOTAR- Media, 2020.-800 p.
10. Bazikyan E.A. Practical guide to endodontics. – M., 2007.
11. Boyd L. Dental instruments. Illustrative reference book (translated from English). –M., 2007.
12. Borisenko A.V. Therapeutic dentistry in 4 volumes. Vol.1. Phantom course.- Kiev, 2009.
13. Gutman D.L., Dumsha T.S., Lovdel P.E. Solving problems in endodontics. Moscow: MEDpress-inform, 2008.
14. Ivanova E.N. Modern filling materials. Composites and glass-polymer cements. –RnD., 2007.
15. Lobovkina L.A., Algorithm of aesthetic restoration of anterior and lateral teeth. –M., 2008.
16. Lomiashvili L.M. Artistic modeling and restoration of teeth. -M., 2008.
17. Maksimovsky Yu.M. Modern filling materials in clinical dentistry, - M., 2008.
18. Mammadova L.A., Podoinikova M.N. Errors and complications in endodontics.- M.: Med.book, 2006.
19. Nikolaev A.I. Preparation of carious cavities. –M., 2006.
20. Ruzin G.P. Fundamentals of deontology and dentistry.- Kiev, 2008.
21. Salova A.V. Restoration of contact areas of teeth using matrix systems. –M., 2008.

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

<http://sinolib.tj/-book/> Prevention of dental diseases. Pdf