

Odessa National Medical University
Faculty of Dentistry
Department of Pediatric Dentistry

Syllabus

"Prevention of dental diseases"

Amount	number of ECTS credits - 4. 5
Semester, year of study	5th - 6th semester
Days, time, place	according to timetable
Teacher (s)	Head of the department - Prof. Denga O.V., associate professors: Koval Yu.M., Konovalov M.F., Novikova Zh.O., Tsevh L.B. assistants: Tarasenko I.Yo. Shumilina K.S., Gorokhovskii V.V., Plotnikova V.G., Skorkina O.V., Yudina O.O., Gorokhivska Yu.V., Osadcha A.O.
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Working space	Department of Pediatric Dentistrst. Mechnikov 32 Odessa
Consultations	Every Tuesday : <i>from</i> 14.30 to 16.00 and on Saturdays: from 8.30 to 13.00. within the academic semester. During the winter holidays daily from 8.30 to 13.00.

Communication

Communication with students is carried out according to the schedule in the classrooms and lecture halls. In the case of distance learning, communication can take place online on the Microsoft Teams platform according to timetable.

Course abstract

Subject of study of the discipline " Prevention of dental diseases ": is that it is from this subject begins acquaintance with the clinical work of a pediatric dentist, while prevention combines theoretical and clinical disciplines. .

Prerequisites of the course : - "Propaedeutics of pediatric therapeutic dentistry", "Bioorganic and biological chemistry", "Physiology", etc.

Co - requisites - "Therapeutic dentistry", "Pharmacology" and others.

Postrequisites - "Pediatric Therapeutic Dentistry", "Therapeutic Dentistry" and others.

Aim of the course - is the application of preventive measures aimed at maintaining a high level of dental health and prevent disease.

Tasks of the discipline : formation of students' knowledge, certain skills and abilities to ensure timely and timely preventive examinations and epidemiological dental examinations of the population, identification and elimination of risk factors for dental diseases

Expected results As a result of studying the discipline "Prevention of dental diseases ": the student must:

know:

1. Profilaktyk in Stomatological s disease : definition , met with , tasks , methods , determination of economic efficiency .
2. Methods of dental examination by the WHO. WHO map, its characteristics. Evaluation of the result in
3. Hygienic indices . Caries indices . Index assessment of the condition of periodontal tissues
4. Tools and items gi g iyenichnoho care of the oral cavity. Classification , physicochemical properties . Indications for use
5. Professional Guy Mr. Yen oral cavity, methods and equipment
6. Methods and tools exogenous Prof. ilaktyky caries of teeth in children .
7. Clinical children to the dentist as the primary method of introducing primary Prof. ilaktyky . Principles , organizational forms , stages of medical examination . Methods of forming dental dispensary groups .
8. Sanitary in Stomatological at l in - the motivation of people to claim idtrymky health of the oral cavity.

Be able:

1. Be able to conduct surveys according to the algorithm.
2. Teach your child gi g iyenichnomu care of the oral cavity
3. To plan and carry out group prophylaxis in children of preschool and school age .
4. Make a plan and determine the effectiveness of comprehensive prevention of dental diseases .
5. Teach the child hygienic care of the oral cavity

Course description

Forms and methods of teaching

Bu course where laid in the form of lectures (14 hrs.) and practical classes (66 hrs.), The organization of independent work of students (54 hr.). During the teaching discipline used methods : the story of lecturer demonstration of Power Point and explanation , conversation , analysis of the new information . During a performance of practical classes , students use the theoretical knowledge to perform practical tasks . It is assumed of group consultations (1 hour per week according to the consultation schedule)

Recommended literatura :

1. Therapeutic dentistry for children Volume 1: textbook./ L.O. Khomenko , YB Tchaikovsky, NI Smolyar [etc.]; for order. prof. L.O. Khomenko . - К .: Книга плюс, 2014.- 432 с.
2. Therapeutic dentistry for children Volume 2: textbook./ L.O. Khomenko , YB Tchaikovsky, OV Savychuk [etc.]; for order. prof. L.O. Khomenko . - К .: Книга плюс, 2016.- 328 с.
3. Prevention of dental diseases: textbook . for students . higher honey. teach . bookmark . / L.F. Kaskova , LI Амосова, О.О. Karpenko [etc.]; for order. prof. L.F. Kaskova . –Н .: Fakt, 2011. –392р.
4. Therapeutic dentistry children ages Tom1: n idruch ./ LA Khomenko, YB Tchaikovsky , NI Smolyar [etc.]; for order. prof. L.O. Khomenko. - К .: Книга плюс, 2014.- 432 с .
5. Therapeutic dentistry of childhood Volume 2: n and text./ L.O. Khomenko, YB Tchaikovsky , OV Savychuk [etc.]; for order. prof. L.O. Khomenko. - К .: Книга плюс, 2016.- 328 с .
6. Prof prevention of dental diseases : textbook . for students. higher honey. teach . bookmark . / L.F. Kaskova , LI Амосова, О.О. Karpenko [etc.]; for order. prof. L.F. Kaskova . –Н .: Fakt, 2011. –392р.

Lecture topics:

Topic № 1. Methods of dental examination . Survey algorithm . Caries indices . Indices Guy Mr. yen and indexed grade status periodontal tissues.

Topic № 2. Cariogenic factors in the oral cavity. Resistance of tooth enamel to carious damage . The role of ikroflory oral cavity

Theme № 3. Means and items gi g yen oral cavity. Composition, properties and indications for use .

Topic № 4. Sanitary education and hygienic training - components of primary prevention of dental diseases. Modern principles of organization and methods of treatment and prevention of children.

Topic № 5. Endogenous and exogenous Prof. ilaktyka caries of teeth and diseases of the periodontal in children . Indications , means , mechanism of action , methods of conducting . Sealing of fissures .

Topics of practical classes:

Topic № 1. Introduction to the course of prevention. General issues of dental disease prevention, concepts, purpose, tasks, methods. Safety instruction when working in the dental hall.

Anatomical and physiological features of the structure of the oral cavity in the age aspect. Stages of development of the maxillofacial area, the formation of teeth, mucous membranes of the mouth and periodontium.

Topic № 2. Recording of dental formula: clinical, anatomical. Methods of dental examination. Survey algorithm. Practical acquaintance of students with a technique of inspection on each other . Caries indices .

Topic № 3. Indices of oral hygiene. (Silness-Loe, Green-Vermilion , Fyodorov-Volodkina).

Topic № 4. Index assessment of periodontal tissues. (SPI, PMA, KPI, Schiller-Pisarev test).

Topic № 5. Methods of dental examination according to WHO data. Dental status registration card. Filling in the card.

Topic № 6. Cariogenic situation in the oral cavity. Methods of its detection and elimination.

Topic № 7. Structure and biological properties of enamel and dentin. Maturation of enamel after tooth eruption.

Topic № 8. Resistance of tooth enamel to carious damage. Influence on the processes of formation, mineralization and maturation of enamel in order to prevent caries. Biological properties of tooth pulp. Modern ideas about metabolic processes in the enamel and pulp of the tooth.

Topic № 9 Composition and properties of oral fluid: its role in the processes of enamel maturation, demineralization , remineralization . Protective mechanisms of the oral cavity.

Topic № 10. Microflora of the oral cavity, its participation in the development of major dental diseases. Superficial formations on the teeth. Classification of dental layers.

Topic № 11. Oral hygiene products, their composition and properties, indications for use depending on the dental status.

Topic № 12. Oral hygiene items, indications for use depending on the dental status.

Topic № 13. Methods of hygienic care of the oral cavity. Individual hygiene. Assimilation of brushing teeth. Controlled brushing.

Topic № 14. Professional oral hygiene: methods and equipment

Topic № 15. Hygienic dental training and education of children in organized children's groups. Health lessons '□me.

Topic № 16. Sanitary education is a component of primary prevention of dental diseases. Organization of dental health education, its forms, methods, means.

Topic № 17. Endogenous prevention of dental caries in children. Interaction with a pediatrician. Planning, methods.

Topic № 18. Systemic administration of fluorides. The mechanism of caries-prophylactic action of fluorides

Topic № 19. Systemic appointment of macro- and microelements, vitamins depending on the age of the child. .

Topic № 20. Exogenous prevention of dental caries in the age aspect. Characteristics of means for local prevention of caries, purpose and methods of their use.

Topic № 21. Practical mastering of various methods of exogenous caries prevention in children.

Topic № 22. Sealing of tooth fissures. Methods, indications for use. Means for sealing tooth fissures and methods of their application.

Topic № 23. Practical mastering of the technique of sealing tooth fissures. .

Topic № 24. Monitoring the effectiveness of caries prevention

Topic № 25. Prof prevention of periodontal diseases in children. The main etiological factors of periodontal disease. Planning, methodology event. .

Topic № 26. Oral hygiene as a basis for prevention of periodontal disease. Appointment of means for hygienic care of the oral cavity depending on the condition of periodontal tissues.

Topic № 27. Comprehensive system of prevention of dental diseases in children. The main stages of implementation and organizational principles. Preparation, compilation of the program.

Topic № 28. Criteria for evaluating the effectiveness of a comprehensive prevention system.

Topic № 29. Medical examination of children by a dentist as the main method of primary prevention. Principles, organizational forms, stages of medical examination. Methods of forming dental dispensary groups.

Evaluation.

Current control is carried out at each practical lesson. The assessment of current success is given on a 4-point traditional scale based on the results of an interview with a teacher on theoretical issues and the result of practical skills on phantoms and simulators.

Final control The form of control of the level of knowledge in the 3rd year is an exam, which is held according to the schedule of the examination session. Students who have completed the curriculum of the discipline in a certain section in full, have an average score for current academic activity of at least 3.00 and passed the final test control in the previous lesson by at least 90% are admitted to the exam. The grade for the discipline on the exam is set on a 4-point scale, taking into account the average score for the current performance. During the exam the student answers 2 theoretical questions and demonstrates the performance of one practical skill.

Independent work of students . Independent work of students is regulated by the curriculum and is performed by students independently according to calendar-thematic plans, is carried out in the form of classroom and extracurricular work. Quality control of students' independent work is carried out in practical classes and during exams in the relevant section.

COURSE POLICY

The student must acquire knowledge, perform all types of educational tasks, pass all types of educational control, attend all types and forms of classes provided for in the curriculum, avoiding omissions and delays.

Deadline and recompilation policy .

The student works off a missed lecture in the form of writing an abstract on the topic of the lecture. The student works off the missed practical class by answering questions of the teacher on duty (twice a week on Tuesdays and Saturdays).

Academic Integrity Policy

Observance of academic integrity by students of education presupposes independent performance of educational tasks, tasks of current and final control of learning outcomes.

Unacceptable in the educational activities of participants in the educational process is the use of family or business ties to obtain a positive and higher assessment in the implementation of any form of control of learning outcomes, the use of prohibited aids or technical means (cheat sheets, headphones, telephones, smartphones, etc.); passing of procedures of control of results of training by fictitious persons.

For violation of academic integrity, the applicant may be held subject to the following academic liability:

- reduction of assessment (exam, test, etc.);
- re-passing the assessment (exam, test, etc.);
- appointment of additional control measures (additional individual tasks, tests, etc.);
- re-passing the relevant educational component of the educational program;
- deductions from the university.

Attendance and lateness policy.

Absence of a student at lectures or practical classes is noted in the register of attendance in the form of a mark "ab". The student must work off the practical classes during 2 weeks.

Mobile devices

The use of a smartphone, tablet or other device is allowed with the permission of the teacher.

Behavior in the audience . Work in a team (student group, staff of the department, employees of the clinical base of the department) is provided. The communication environment is friendly, creative, open to constructive criticism.

