

Odessa National Medical University
Faculty of Dentistry
Department of Pediatric Dentistry

Syllabus

" Pediatric Therapeutic Dentistry "

Amount	number of ECTS credits - 11.5
Semester, year of study	7 - 10 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 Dentistry st. 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.

Brief description of the course

The subject of study of the discipline " Pediatric Therapeutic Dentistry ": there are the main directions of development of modern pediatric dentistry .

Prerequisites of the course : - "Propaedeutics of children's therapeutic dentistry", "Bioorganic and biological chemistry", "Physiology" and others

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

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

The purpose of the course is to achieve the ultimate goals of the discipline "Children's Therapeutic Dentistry", which is established on the basis of educational and professional training program for masters in the specialty 221 "Dentistry".

Tasks of the discipline : involves the acquisition of theoretical material, practical skills and manual skills for diagnosis, treatment and prevention in a logical sequence of study of all sections of the discipline.

Expected results As a result of studying the discipline " Pediatric Therapeutic Dentistry ": the student must:

Know :

- the main stages of development of temporary and permanent teeth;
- with participant understanding of the etiology and pathogenesis of dental decay among children;
- to the clinical classification of dental caries and be able to formulate a diagnosis of caries;
- regularities of the clinical course of caries of temporary teeth depending on the age of the child;
- about the peculiarity of the course of caries in permanent teeth depending on the stage of tooth development ;
- errors and complications in the treatment of caries of temporary and permanent teeth in children, be able to prevent and eliminate them;
- for lasyifikatsi th carious lesions of teeth in children and to be able to formulate a diagnosis;
- and atomic-physiological features of the pulp of temporary and permanent teeth at different stages of their development;
- modern ideas about the etiology and pathogenesis of pulpitis in temporary and permanent teeth in children;
- for lasyifikatsiyu pulpitis and periodontitis ;
- on the regularity of the clinical course of pulpitis and periodontitis in temporary and permanent teeth in children of different ages;
- methods of treatment of pulpitis and periodontitis ;
- errors and complications in the treatment of pulpitis and periodontitis in children, their prevention and elimination;
- . - know in ikovi morphological and functional features of the periodontal tissues and in children ;
- know the current views on the etiology th and pathogenesis of ahvoryuvan b periodontal and in children ;

- know the classification of periodontal diseases;
- Know the clinical manifestations of acute and chronic th gingivitis in children, to be able to diagnose and differentially in diagnostics in;
- know the clinical manifestations of various forms of chronic hypertrophic gingivitis in children
- know the clinical and radiological symptoms of periodontitis and be able to conduct e iahnostyk in , the differential in diagnostics in l okalizovan th and generalized the periodontitis in children ;
- know about soblyvosti structure and functions of the mucous membranes of the oral cavity (oral mucosa) in children of all ages; .
- Know Part astot in lesions of the mucous membranes of the oral cavity in children . How lesions of oral mucosa in children and of common diseases and violation of the exchange substances ;

Be able to :

- to diagnose and differentially diagnose different forms of caries of temporary teeth in children of different ages;
 - to carry out treatment of caries of temporary teeth in children by different methods (remineralizing therapy, ART-technique , preparation and filling with different filling materials, impregnation method);
 - to diagnose and differentially diagnose various forms of non-cariou lesions of the teeth in children of different ages;
 - to determine treatment tactics and treat various forms of non-cariou dental lesions in children of different ages;
 - to treat caries of temporary teeth in children by different methods (remineralizing therapy, preventive filling, preparation and filling with different filling materials);
 - to diagnose and conduct differential diagnosis of different forms of pulpitis in temporary and permanent teeth in children;
 - to treat pulpitis in temporary and permanent teeth in children using various methods;
 - to treat periodontitis in temporary and permanent teeth in children using various methods.
 - be able to treat gingivitis and periodontitis in children, choose drugs for local and general treatment depending on the clinical manifestations of the disease;
- able to diagnose conduct differential diagnostician yku, treatment and prevention of lesions b oral mucosa in children

Course description

Forms and methods of teaching

The course is laid in the form of lectures (52 hrs.) And practical training (170 hours.), The organization of independent work of students (124 hrs.). While 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 literature :

1. Therapeutic dentistry for children Volume 1: textbook./ L.O. Khomenko , YB Tchaikovsky, NI Smolyar [etc.]; for order. prof. L.O. Khomenko . - K .: 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 . - K .: Книга плюс, 2016.- 328 с.
3. Pharmacotherapy of diseases of the mucous membranes of the oral cavity and tissue periodontal .With a ed Professor Borisenko AV - K.: Медицина, 2018. - 504 p
4. Propaedeutics of pediatric therapeutic dentistry / [Khomenko LA, Ostapko EI, Bidenko NV etc.]; under ed. prof. L.A. Khomenko . - K .: Книга-плюс, 2015. - 320 с . : .
5. Dental diseases : therapeutic dentistry , ed .. Prof. Borisenko AV - K.: Медицина , 2017. - 664 с.
6. Terapevtycheskaya stomatolohyya child's age / Under Ed. L.A. Khomenko , LP Kисельниковой . - K .: Книга-плюс, 2013. - 864 с.
7. Pediatric dentistry : a guide / R.R. Welbury , M.S. Daggal , M.-T. Hozi ; lane. with English ed . L.P. Kисelnikova.-M .: p., 2013. - 456 p.
8. Features of disinfection and sterilization in dentists under. ed .. Prof .. Bazykyana Э.А .. - НЭОТАР - Media . - 2016. - 112 p .

The program in the discipline "Pediatric Therapeutic Dentistry" is structured into 2 sections:

Section № 1: *“Caries , non-carious lesions, complications of caries of temporary and permanent teeth in children: clinic, diagnosis, treatment” ;*

Section № 2: *“Diseases of periodontal tissues and oral mucosa in children. Comprehensive diagnosis and determination of individual approaches to the prevention and treatment of major dental diseases in children .*

Each section is composed of **three divisions** :

Subsections of section №1:

Subdivision №1. Hard tissue lesions of temporary and permanent teeth in children: caries, enamel hypoplasia, fluorosis, hereditary malformations:

etiology, pathogenesis, clinical manifestations, diagnosis, differential diagnosis, treatment, prevention.

Subdivision №2. Pulpitis of temporary and permanent teeth in children: etiology, pathogenesis, clinical manifestations, diagnosis, differential diagnosis, treatment, prevention.

Subdivision №3. Periodontitis of temporary and permanent teeth in children: etiology, pathogenesis, clinical manifestations, diagnosis, differential diagnosis, treatment, prevention. Trauma of temporary and permanent teeth in children.

Subsections of section №2:

Subdivision №1. Periodontal tissue diseases in children: etiology, pathogenesis, clinical manifestations, diagnosis, differential diagnosis, treatment, prevention.

Subdivision №2. Diseases of the oral mucosa (traumatic, viral, fungal, allergic and diseases of internal organs and systems) in children: etiology, pathogenesis, clinical manifestations, diagnosis, differential diagnosis, treatment, prevention.

Subsection №3 . Comprehensive assessment of the child's dental status . Drawing up an individual plan for the rehabilitation of the child's oral cavity and dental prevention and their implementation.

Topics of lectures: section №1

Topic № 1. Dental caries in children. Etiology and pathogenesis of caries. Classification. Clinic, diagnosis and treatment of caries of temporary and permanent teeth in children.

Topic № 2. Anatomy and physiology of the pulp of temporary and permanent teeth in children. Etiology and pathogenesis of pulpitis. Classification. Clinic, diagnosis and differential diagnosis of pulpitis in children.

Theme № 3. Treatment of pulpitis of temporary and permanent teeth as in children .

Topic № 4. Anatomical and histological structure and function of periodontal as he izni age periods in children . Etiology and pathogenesis of periodontitis . Classification . Clinic , diagnosis and differentiated and for diagnosis of periodontitis in children .

Topic № 5. Treatment of periodontitis of temporary and permanent teeth in children

Topics of lectures: section №2

Topic number one disease periodontal in children : etiology , pathogenesis. Gingivitis , Mr arodontyt and periodontal syndrome in children : prevalence , clinical picture , diagnosis , dyfere Mr. touch on social diagnosis , treatment and Prof. ilaktyka .

Subject number 2 Features of the structure and function of the mucous membranes of the oral cavity (oral mucosa) in children . Viral lesions of oral mucosa, clinic , diagnosis , treatment and Prof. ilatyka

Topic № 3 Fungal lesions of SOPR in children . Etiology , pathogenesis, clinical picture , diagnosis , treatment , Professor ilaktyka

Topic № 4 Allergic lesions of SOPR in children . Etiology , pathogenesis, diagnosis , Likuvannya .

Topic № 5 Manifestations in the oral cavity in diseases of the blood system in children . Clinic . diagnostics , tactics of the pediatric dentist.

Topic № 6 Manifestations in the oral cavity in infectious diseases in children.

Tactics of a pediatric dentist

Topic № 7 Manifestations in the oral cavity in diseases of the gastrointestinal tract and endocrine system in children. Clinic, diagnosis, tactics of a pediatric dentist

Topic № 8 Diseases of the lips and tongue in children. Clinic, diagnosis, tactics of a pediatric dentist.

Topic № 9 Changes in the oral cavity in hypo- and avitaminosis, in diseases of the cardiovascular system. Tactics of a pediatric dentist

Topic № 10 The use of physical factors in the diagnosis and treatment of diseases of the hard tissues of the tooth, periodontium and oral mucosa in children

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 4-5 courses is an exam at the end of each year of study, 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 practica 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.