

**MINISTRY OF HEALTH PROTECTION OF UKRAINE
ODESSA NATIONAL MEDICAL UNIVERSITY**

Faculty of medicine, international

Department of occupational pathology and functional diagnostics and phthisiopulmonology

**Syllabus of selective educational discipline "Features of dentists' work with patients,
patients with tuberculosis"**

Scope of the academic discipline	Total number of hours per discipline: 90 hours, 3 credits. Semesters:IX-X. 5th year of study.
Days, time, place of educational discipline	According to the schedule of classes. Department of occupational pathology and functional diagnostics and phthisiopulmonology. Odesa, str. French boulevard 40. State institution specialized (special) sanatorium "Arkadia" of the Ministry of Health of Ukraine.
Teacher(s)	Matsegora N.A., doctor of medicine, professor Associate professors: Ph.D. Shpota O.E., Ph.D. Kaprosh A.V. Assistants: Omelyan L.P., Zaitsev A.S.
Contact Information	Help by phone: Matsegora Nina Anatolyivna, doctor of medicine, professor of the department. +380982203381 Email: nmatsegora@ukr.net Face-to-face consultations: from 2:00 p.m. to 5:00 p.m. every Thursday, from 9:00 a.m. to 2:00 p.m. every Saturday Online consultations: from 3:00 p.m. to 4:00 p.m. every Thursday, from 9:00 a.m. to 2:00 p.m. every Saturday. A link to an online consultation is provided to each group during classes separately.

COMMUNICATION

Communication with applicants will be carried out in a mixed format: classroom (face-to-face) and absentee (remote).

During distance learning, communication will be carried out using the Microsoft Teams platform, as well as through e-mail correspondence, Viber messengers (through groups created in Viber for each group, separately through the head of the group).

ABSTRACT OF THE EDUCATIONAL DISCIPLINE

Subject study of the selective educational discipline "Peculiarities of the work of dentists with patients suffering from tuberculosis", there are measures for the organization of detection, diagnosis, differential diagnosis, which contribute to the reduction or prevention of the spread of tuberculosis cases and contribute to the improvement of the effectiveness of the treatment of oral cavity diseases of this category of patients.

Prerequisites and post-requisites of the discipline (place of the discipline in the educational program):

Prerequisites: Ukrainian language (by professional direction), foreign language (by professional direction), Latin language and medical terminology, medical biology, medical and biological physics, biological and bioorganic chemistry, human anatomy, histology, cytology and embryology, physiology, microbiology, virology and immunology; basics of bioethics and

biosafety, pathomorphology, pathophysiology, radiology, pharmacology, propaedeutics of internal medicine, propaedeutics of pediatrics, radiology, hygiene and ecology.

Post-requisites: epidemiology, stomatology, otolaryngology, internal medicine (pulmonology, endocrinology), surgery, neurology, infectious diseases, pediatrics, childhood infections, general practice (family medicine).

Goal: mastery of master of medicine degree holders in specialty 221 "Dentistry", field of knowledge 22 "Health care" complex of knowledge, abilities, skills of timely diagnosis, differential diagnosis, treatment and prevention of tuberculosis of the oral cavity, aimed at improving the quality of supervision of such patients and/ or prevent the formation of complications in them, as well as about measures and means to prevent infection during patient care, patients with tuberculosis.

Task:

1. To study the peculiarities of work of dentists with patients suffering from tuberculosis.
2. To acquire knowledge about the tuberculosis process, conditions of infection and disease.
3. To acquire knowledge about the source of tuberculosis infection.
4. To acquire skills and abilities to determine the clinical criteria of TB cases.
5. Master the knowledge and ability to implement the algorithm of actions of specialists of institutions/services within the framework of epidemiological surveillance of TB.
6. To master the procedure for conducting epidemiologic surveillance of contact persons with a case of TB.
7. Master preventive measures in the focus of tuberculosis infection.
8. Master the quality standards of epidemiological surveillance of TB and infection control in dentistry.
9. To acquire knowledge about measures and means to prevent infection during patient care, patients with tuberculosis.

Expected results

As a result of studying the academic discipline, the student of higher education must:

Know:

- peculiarities of work of dentists with patients suffering from tuberculosis;
- clinical signs suspicious for tuberculosis, tactics of the dentist;
- pulmonary tuberculosis diagnosis algorithm;
- diagnosis and differential diagnosis of tuberculosis of the maxillofacial area and oral cavity;
- peculiarities of diagnosis of TB/HIV, TB/HIV/viral hepatitis B and C;
- the concept of the focus of tuberculosis infection. Categories of centers according to the degree of epidemic danger;
- infection control: administrative, engineering, individual protection;
- primary prevention (BCG vaccination);
- secondary prevention (chemoprophylaxis) of tuberculosis, indications, methods of implementation;
- sanitary and sanitary-educational prevention, their tasks;
- antimycobacterial agents and treatment regimens for tuberculosis patients;
- clinical-laboratory and instrumental monitoring of the quality and effectiveness of

treatment;

- prophylactic anti-tuberculosis measures at the inpatient and outpatient stages of treatment of TB patients and categories of dispensary records;
- measures to prevent tuberculosis among persons working in anti-tuberculosis institutions;
- quality standards for epidemiological surveillance of TB and infection control;
- about measures and means aimed at preventing infection during dental care patients with tuberculosis.

Be able:

- master the ability to diagnose various clinical forms of tuberculosis;
- to characterize the center of tuberculosis infection according to the degree of epidemic danger; determine ways of TB infection;
- formulate the basic principles of infection control;
- demonstrate knowledge and procedure for primary (BCG vaccination) tuberculosis prevention;
- determine the knowledge and procedure for secondary prevention of tuberculosis (chemoprophylaxis);
- to formulate preventive measures for sanitary and sanitary-educational prevention, their tasks;
- register tuberculosis cases;
- the procedure for carrying out clinical-laboratory and instrumental monitoring of the quality of treatment;
- demonstrate the formation of moral and ethical and deontological qualities during professional communication with the patient, as well as the principles of professional subordination.

The program of the selective educational discipline "Peculiarities of the work of dentists with patients suffering from tuberculosis" concerns all possible preventive measures that should be carried out in foci of tuberculosis infection, determines the prerequisites for access to education, the orientation and main focus of the program, the scope necessary for obtaining an educational and scientific degree master of medicine, a list of general and special (professional, subject) competencies, normative and variable content of specialist training, formulated in terms of learning outcomes, and requirements for quality control of higher education.

DESCRIPTION OF THE ACADEMIC DISCIPLINE

Forms and methods of education

The discipline will be taught in the form of seminar classes (30 hours), organization of students' independent work (60 hours).

Teaching methods:

Seminar classes reveal the problematic issues of the relevant sections of the discipline. They can be held in the following forms: seminar-lecture, seminar-discussion, seminar-round table, seminar-consultation, seminar-practical class (using oral and written survey, solving test tasks, solving situational problems).

Independent work of applicants (SRZ) with active consultation of the teacher (during independent work, the applicants master the educational material of the next practical session. At the consultations, the applicant can get answers to difficult questions of the topic).

Content of the academic discipline

- Topic 1. General information about tuberculosis.
- Topic 2. Methods of examining a patient with tuberculosis.
- Topic 3. The concept of the focus of tuberculosis infection.
- Topic 4. Diagnosis and differential diagnosis of tuberculosis of the maxillofacial area and oral cavity, possible complications.
- Topic 5. Diagnosis and differential diagnosis of tuberculosis of the upper respiratory tract (nose and sinuses, tonsils, larynx, trachea, bronchi) and peripheral lymph nodes.
- Topic 6. Features of diagnosis of TB/HIV, TB/HIV/viral hepatitis.
- Topic 7. Social, sanitary and sanitary-educational prevention, their tasks. Infection control: administrative, engineering, individual protection. Standards of infection control and quality of epidemiological supervision of tuberculosis patients.
- Methods of implementation of social prevention of tuberculosis.
- Infection control in medical care facilities of various levels.
- Topic 8. Primary specific prevention of TB (BCG vaccination). Secondary specific prevention (chemoprophylaxis) of tuberculosis.
- Topic 9. General principles of tuberculosis treatment. Antimycobacterial drugs. Standard treatment regimens for patients with tuberculosis.
- Topic 10. Clinical-laboratory and instrumental monitoring of the quality of treatment. Criteria for treatment of tuberculosis patients.
- Topic 11. Measures and means aimed at preventing infection of medical workers during dental care for patients, a patient with tuberculosis.
- Topic 12. The main barriers that people face during TB treatment.

LIST OF RECOMMENDED LITERATURE:

Main:

1. Order of the Ministry of Health of Ukraine on the approval of the standards of "Tuberculosis" medical care dated January 19, 2023 No. 102
2. Order of the Ministry of Health of Ukraine No. 530 of February 25, 2020 "Health care standards for tuberculosis." URL: https://phc.org.ua/sites/default/files/users/user90/NakazMOZ_vid_25.02.2020_530_Standarty_medopomogy_pry_TB.pdf
3. TUBERCULOSIS Clinical guideline of the Ministry of Health of Ukraine, based on evidence No. KH 2021-530 dated 11/17/2021. URL: <https://www.dec.gov.ua/mtd/tuberkuloz/>.
4. Order of the Ministry of Health of Ukraine dated March 9, 2021 No. 406 "On approval of the Procedure for epidemiological surveillance of tuberculosis and changes to the criteria for determining cases of infectious and parasitic diseases subject to registration".
5. Order of the Ministry of Health of Ukraine No. 287 dated February 1, 2019 "On the approval of the Infection Control Standard for health care institutions that provide assistance to tuberculosis patients" URL: <https://zakon.rada.gov.ua/laws/show/z0408-19#Text>.
6. Order of the Ministry of Health of Ukraine dated June 5, 2019 No. 1292 "On the approval of a new Clinical Protocol for the use of antiretroviral drugs for the treatment and prevention of HIV infection."
7. Extrapulmonary tuberculosis. Textbook. / Matsegora N.A., Marichereda V.G., Antonenko P.B. [etc.] in general Ed. ON. Matsehora – 2022. – Odesa. - 430 p. (26.88 printed sheets).
8. Tuberculosis Clinical guideline of the Ministry of Health of Ukraine, based on evidence No. KH 2021-530 dated 11/17/2021. URL: <https://www.dec.gov.ua/mtd/tuberkuloz/>

9 "Physiatrics" study guide for students of higher medical educational institutions of the IV level of accreditation / Melnyk V.P., Panasyuk O.V., Raznatovska O.M. etc.; under the editorship Melnyka V.P. - K.: "Knyga-plus", 2022.

Additional:

1. Prevention of tuberculosis. Study guide for students and interns of VNMZ IV accreditation level and doctors / V. I. Petrenko, M. G. Dolynska, A. V. Aleksandrin, V. V. Petrenko. Kyiv: 2 Print, 2017. 88 p. URL:<http://tb.ucdc.gov.ua/uploads/files/prophilaktica.pdf>.

Electronic information resources

1. Website of the Public Health Center of the Ministry of Health of Ukraine.<http://phc.org.ua/>
2. Tuberculosis issues on the WHO website.<http://www.who.int/tb/en/>
3. National Tuberculosis Resource Center.<http://tb.ucdc.gov.ua/>
4. Stages of HIV-AIDS.www.ifp.kiev.ua > doc > people > vil-pop > vil-pop5
5. SiteTV/HIV-<https://aph.org.ua/uk/nasha-robota/ukraine/gf/>. <http://www.aids.ru/whatnext/tb.shtml>

EVALUATION

Current control methods:

The following methods of current control are used at each seminar session:

- 1) Oral answer to standardized questions on the material of the current topic.
- 2) Solving situational problems.
- 3) Solving test tasks by topic.

Criteria for current assessment in class:

"5"	The student has a fluent command of the material, takes an active part in discussing and solving a situational clinical problem, confidently demonstrates practical skills during the examination of a sick child and the interpretation of clinical, laboratory and instrumental research data, expresses his opinion on the topic of the lesson, demonstrates clinical thinking.
"4"	The student has a good command of the material, participates in the discussion and solution of a situational clinical problem, demonstrates practical skills during the examination of a sick child and the interpretation of clinical, laboratory and instrumental research data with some errors, expresses his opinion on the topic of the lesson, demonstrates clinical thinking.
"3"	The student does not have sufficient knowledge of the material, is unsure of participating in the discussion and solution of a situational clinical problem, demonstrates practical skills during the examination of a sick child and the interpretation of clinical, laboratory and instrumental research data with significant errors.
"2"	The student does not master the material, does not take part in the discussion and solution of the situational clinical problem, does not demonstrate practical skills during the examination of a sick child and the interpretation of clinical, laboratory and instrumental research data.

Forms and methods of final control: Credit is awarded to an applicant who has completed all sections of the educational program of the elective discipline, has actively participated in seminars, has a current grade point average of at least 3.0, and has no academic debt.

The possibility and conditions of obtaining additional (bonus) points: not provided.

INDEPENDENT WORK OF STUDENTS OF HIGHER EDUCATION

Independent work involves preparation for each practical session.

POLICY OF EDUCATIONAL DISCIPLINE

Deadlines and Rescheduling Policy:

- Absences of classes for non-respectable reasons will be worked out according to the schedule of the teacher on duty.
- Absences for valid reasons are worked out according to an individual schedule with the permission of the dean's office.

Academic Integrity Policy:

Applicants must observe academic integrity, namely:

- independent performance of all types of work, tasks, forms of control provided for by the work program of this educational discipline;
- references to sources of information in case of use of ideas, developments, statements, information;
- compliance with the legislation on copyright and related rights;
- provision of reliable information about the results of one's own educational (scientific) activity, used research methods and sources of information.

Unacceptable in educational activities for participants of the educational process are:

- the use of family or official ties to obtain a positive or higher grade during any form of control of academic performance or academic merit;
- use of prohibited auxiliary materials or technical means (cheat sheets, notes, micro-earphones, telephones, smartphones, tablets, etc.) during control measures;
- going through procedures for monitoring the results of training by fake persons.

For violation of academic integrity, students may be held to the following academic responsibility:

- a decrease in the results of assessment of the control work, assessment in class, credit, etc.;
- retaking the assessment (test, credit, etc.);
- assignment of additional control measures (additional individual tasks, control works, tests, etc.);
- conducting an additional inspection of other works authored by the violator.

Attendance and Tardiness Policy:

Uniform: a medical gown that completely covers the outer clothing, or medical pajamas, a cap, a mask, and a change of shoes.

Equipment: notebook, pen, phonendoscope.

State of health: applicants suffering from acute infectious diseases, including respiratory diseases, are not allowed to attend classes.

A student who is late for class can attend it, but if the teacher has put "nb" in the journal, he must complete it in the general order.

Use of mobile devices:

Mobile devices may be used by students with the permission of the instructor if they are needed for the assignment.

Behavior in the audience:

The behavior of applicants and teachers in the classrooms should be working and calm, strictly comply with the rules established Regulations on academic integrity and ethics of academic relations at Odessa National Medical University, in accordance with Code of Academic Ethics and Relations of the University Community of Odessa National Medical University, Regulation on prevention and detection of academic plagiarism in research and educational work of higher education applicants, scientists and teachers of Odesa National Medical University.