

ODESA NATIONAL MEDICAL UNIVERSITY
International Faculty
Department of Phthisiopulmonology

Syllabus course
Phthisiology

Content	Total of hours : credit ECTS – 3, hours – 90, from it – lectures – 10 hours, practical classes – 30 hours, individual work 50 hours
Semester, year of study	VII-VIII semester , 4 course
Days, time, place	According to the timetable
Teacher (-s)	Teachers of the Department of Phthisiopulmonology
Contact phone	-
E-mail	kaftub@ukr.net
Workplace	Department of Phthisiopulmonology, studing rooms
Consultations	consultations: Wednesday 14.00-15.00 Online consultations: Tuesday, Thursday 14.00-15.00

COMMUNICATION

Communication with students will be by e-mail, Microsoft Teams and Skype, by phone, in the classroom on schedule.

COURSE ANNOTATION

The measures to organize the detection, diagnosis, differential diagnosis, treatment and prevention of tuberculosis are the subject of study of the discipline "Tuberculosis"

Prerequisites.

The basis for mastering the discipline is knowledge, skills and abilities obtained in the process of studying such disciplines as anatomy, physiology, histology, microbiology, virology and immunology, pathophysiology, pathomorphology, radiology, pharmacology, propaedeutics of internal medicine, propaedeutics of pediatrics, radiology, hygiene and ecology.

Postrequisites.

Phthisiology as an academic discipline provides for the study of the relationship with the following disciplines: internal medicine (pulmonology, endocrinology), surgery, otolaryngology, neurology, infectious diseases, epidemiology, pediatrics, children's infections, oncology.

Course purpose:

- 1) mastering systematized knowledge on the organization of care for patients with tuberculosis;
- 2) mastering the ability to diagnose various clinical forms of tuberculosis;
- 3) the formation of practical skills for the examination of a patient with tuberculosis;

- 4) mastering knowledge on the treatment and prevention of tuberculosis;
- 5) mastering knowledge on the organization of infection control in a dental clinic.

Tasks of the discipline:

- 1) assimilation of the main activities necessary to organize work in the dental department and ensure the prevention of the onset and spread of tuberculosis infection;
- 2) mastering the algorithm of actions of doctors of institutions of the general medical network to detect tuberculosis when patients turn for help;
- 3) assimilation of the main preventive measures in the foci of tuberculosis infection;
- 4) the acquisition of practical skills for the diagnosis and differential diagnosis of tuberculosis of the oral mucosa and maxillofacial localization;
- 4) acquisition of skills and abilities for the examination of a patient with tuberculosis and registration of the results in the appropriate medical documentation;
- 5) the formation of moral, ethical and deontological qualities in professional communication with the patient.

Expected results:

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

know:

- 1) Determine the clinical forms of tuberculosis and formulate a clinical diagnosis according to the classification. Determine risk factors for tuberculosis.
- 2) Explain the importance of bacterioscopic and bacteriological methods of sputum examination.
- 3) Explain the basic principles of treatment of patients with tuberculosis and determine the criteria for their cure.
- 4) Use the principles of clinical examination of persons at risk of tuberculosis and the principles of prevention of tuberculosis.

be able to:

- 1) Demonstrate the ability to maintain medical records in a phthisiology clinic.
- 2) Diagnose and provide emergency care in case of emergency conditions in patients with tuberculosis.
- 3) To classify the foci of tuberculosis infection and use the principles of conducting anti-tuberculosis measures in them.
- 4) Plan a scheme for examining a patient with tuberculosis, analyze the data obtained and determine treatment regimens for patients with various clinical forms of tuberculosis.

DESCRIPTION OF THE COURSE

The course will be presented in the form of lectures (10 hours), practical classes (30 hours), organization of students' independent work (50 hours).

Forms and methods of teaching:

1) lectures (the topics of the lecture course reveal problematic issues of the corresponding sections of the discipline. Lecturers can use such options for

conducting lectures as educational, informational, lecture-visualization, lecture-discussion, lecture-consultation)

2) *practical exercises* (when conducting a practical lesson, an oral and written questioning, solving test tasks, solving situational problems are supposed)

3) *independent work (IWS) with the active consultation of the teacher* (during independent work, students master the educational material of the next practical lesson. At the consultations, the student can get answers to complex questions of the topic).

CONTENT OF THE COURSE

Part 1. General issues of tuberculosis. Organization of medical care for patients with tuberculosis: detection, diagnosis, treatment, prevention.

Topic 1. Definition of tuberculosis as a disease. Epidemiology of tuberculosis. The causative agent of tuberculosis, its properties. Ways of tuberculosis infection. Clinical classification of tuberculosis.

Topic 2. Organization of detection and diagnosis of tuberculosis. Tuberculin diagnosis. Clinical analysis of patients.

Topic 3. General clinical methods of tuberculosis diagnosis. Special diagnostic methods (laboratory, radiological). Clinical analysis of patients.

Topic 4. Treatment of tuberculosis. Clinical analysis of patients.

Topic 5. Tuberculosis prevention. Clinical analysis of patients.

Part 2. Clinical forms of tuberculosis: primary, secondary, tuberculosis of the oral cavity and maxillofacial localization. Clinical analysis of patients.

Topic 6. Pulmonary tuberculosis: primary and secondary forms. Clinical analysis of patients.

Topic 7. Complications of pulmonary tuberculosis. Urgent help. Tuberculosis of the mucous membrane of the mouth and jaw bones. Clinical analysis of patients.

LITERATURE

1. Phthisiology: textbook / V. I. Petrenko, L. D. Todoriko, L. A. Grischuk [and others]; ed. V. I. Petrenko. Kiev : Medicine. 2015. 471 p.

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

3. BCG vaccines: WHO position paper. February 2018. URL: https://www.who.int/immunization/policy/position_papers/bcg/en/

4. WHO guidelines on tuberculosis infection prevention and control. 2019 URL: <https://apps.who.int/iris/bitstream/handle/10665/311259/9789241550512-eng.pdf>

5. Guidelines for treatment of drug-susceptible tuberculosis and patient care, WHO.

2017. URL: <https://apps.who.int/iris/bitstream/handle/10665/255052/9789241550000-eng.pdf>

6. Biochemical Value Dynamics in Patients with Multidrug-Resistant Tuberculosis / HIV with CD4 + Lymphocyte Cells below 50 Cells / μ CLandits Variability in the Application of Adjuvant Immunoglobulin Therapy / N. A. Matsegora, A.V. Kaprosh, P. B. Antonenko // International Journal of Mycobacteriology. 2019; 8 (4): 374 - 380. (SCOPUS).

7. Extrapulmonary and miliary tuberculosis in patients with TB / HIV coinfection / V. I. Petrenko, M. G. Dolinskaya, A. N. Raznatovska - M. 2015 DKS Center - 112 p. URL: http://tb.ucdc.gov.ua/uploads/files/usaaid_170x240_fp_new.pdf

8. Tuberculosis of bones and joints: method. recommendations for students and doctors of interns of VNMZ IV level of accreditation / N. A. Matsegora, A. Ya. Lekan, L. P. Omelian [and others]. - Odessa: ONMedU, 2018. 24 p.

9. Global Laboratory Initiative model TB diagnostic algorithms. 2018. URL: http://www.stoptb.org/wg/gli/assets/documents/GLI_algorithms.pdf

10. Text of the lectures; lecture presentations, methodical recommendations for the practical lessons.

- informational resources:

1. Site of the Public Health Center of the Ministry of Health of Ukraine. URL: <http://phc.org.ua/>

2. Questions of tuberculosis on the WHO website. URL: <http://www.who.int/tb/en/>

3. National Tuberculosis Resource Center. URL: <http://tb.ucdc.gov.ua/>

EVALUATION

Methods of current control:

For mastering each topic of the section the student receives a grade on a 4-point (traditional) scale, taking into account all types of work provided by the methodological development for studying the topic. At the end of the course, the current performance is calculated as the arithmetic mean of all grades obtained by the student on a traditional scale, rounded to 2 (two) decimal places.

Forms and methods of final control:

Final control is carried out in the form of a differential test. and evaluated for current educational activities on average not less than 3.00.

The grade obtained for the answer in the differential test and the score of the average current performance during the study of the discipline are used to calculate the arithmetic mean, which is the overall grade for the discipline.

How will the assessment of knowledge (distribution of points) of higher education students be carried out?

The grade for the discipline is calculated as follows: on a 4-point traditional scale, the arithmetic mean is first calculated as the arithmetic mean of the two components.

The average grade for the discipline is translated into the traditional grade from the discipline on a 4-point scale and is regarded as the ratio of this arithmetic mean to the percentage of mastery of the required amount of knowledge in this subject.

Conversion of the traditional assessment of the discipline on a multi-point

scale: performed by the information and computer center of the university.

Average score for the discipline	The ratio of the student's average score for the discipline to the maximum possible value of this indicator	Grade from on a 4-point scale (traditional grade)
4,45 – 5,0	90-100%	5
3,75 – 4,44	75-89%	4
3,0 – 3,74	60-74%	3

Independent work of students.

Self-study assignments:

1) preparation for practical exercises (theoretical preparation, work with indicative maps, performing test tasks, virishuvannya situational tasks)

2) preparation for differential credit.

Assessment of independent work, which is provided in the topic next to the classroom work, is carried out during the current control on the topic at the corresponding classroom.

COURSE POLITIC

Deadline and recompilation politic: for working off missed lectures and practical classes (more than 1 day), the permission of the dean's office is required. Practicing is carried out daily after classes (no more than one space) and on Saturday (three passes). After working off the passes, the student composes a differential. credit by oral questioning conducted by the head of the department together with an associate professor, or two associate professors.

Academic Integrity Policy: Cheating during the ongoing quiz and differential credit is prohibited (including using mobile devices).

Attendance policy: attending lectures and practical classes is mandatory, points for attending lectures are not awarded, but unworked lectures during the cycle, the student is not allowed to pass the differential credit. Illness is considered a good reason for absence from classes, confirmed by a certificate from the dean's office.

Mobile devices: not used in class.

