

PRIVATE HIGHER EDUCATIONAL INSTITUTION
"INTERNATIONAL ACADEMY OF ECOLOGY AND MEDICINE"
Department of Social Medicine and Preventive Medicine

SYLLABUS
EDUCATIONAL DISCIPLINE


"Phthisiatrics"

LEVEL OF HIGHER EDUCATION Second (master's) level

DEGREE OF HIGHER EDUCATION Master

FIELD OF KNOWLEDGE 22 Healthcare

SPECIALTY 221 Dentistry

Considered and approved
at a meeting of the Department of Internal
Medicine with a course in endocrinology Doctor of
Medical Sciences, Postrelko Valentin
 Protocol № 1 from "09" IX 2020

Kyiv 2020

1. general information

Subjects	Phthisiatrics
Teacher (s)	Candidate of Medicine Science , Docent Sadomova-Andriyanova Anna
Teacher's contact phone number	+380 66 384 33 92
Teacher's e-mail	maemendocrinology@gmail.com sadamova@ukr.net
Discipline format	Normative discipline
The scope of discipline	90
Link to the distance learning site	
Consultations	Not on the program

2. Discipline abstract

Phthisiology as an educational discipline is based on studying students of anatomy, physiology, histology, microbiology, virology and immunology, pathophysiology, pathomorphology, radiology, pharmacology, propaedeutics of internal medicine, propaedeutics of pediatrics, hygiene and ecology and integrates with these disciplines.

3. The purpose and objectives of the discipline

The purpose of studying the discipline " Phthisiatrics ":

The purpose of the discipline is to form a system of knowledge about the classification of clinical forms of tuberculosis, a diagnostic-therapeutic algorithm of various forms of tuberculosis and their complications, preventing the infection of surrounding people and reducing the risk of tuberculosis.

The objectives of studying the discipline " Phthisiatrics ":

- Kuring of patients with various forms of tuberculous infusion: collecting anamnesis, conducting a physical examination;
- substantiation of a preliminary diagnosis;
- Preparation of the patient's plan and interpretation of data laboratory and auxiliary research methods;
- conducting differential diagnosis and substantiation of the clinical diagnosis;
- Preparation of a rational treatment scheme

4. Learning outcomes (competencies)

As a result of studying the discipline "Phthisiatrics"

KNOW:

As a result of studying the discipline, the student must know the clinic, diagnostics, treatment and prophylaxis of tuberculosis.

BE ABLE TO:

As a result of studying the discipline, the student must be able to diagnose tuberculosis based on a set of survey data.

5. Organization of the study of the discipline

The volume of the course

<i>Type of lesson</i>	<i>Total number of hours</i>	90
Lectures		10
Seminars		30
Independent work		50

Signs of the course

Semester	Specialty	Course (year of study)	Normative / selective
7-8	221 Dentistry	4	Normative

Course topics

Theme, plan	Form of employment	literature	Tasks, hours	Estimation weight	Deadline
Topic 1. Determination of tuberculosis as a scientific and practical problems. Epidemiology of tuberculosis in Ukraine and the world. Multirozistent and HIV-associated tuberculosis. Etiology, pathogenesis. Epidemic Process for tuberculosis: source of infection, transmission path, susceptibility. Immunity in tuberculosis.	Lecture	Basic, auxiliary - in accordance with paragraph 8	3 hours	3.3	According to the schedule
Topic 2. Detection and diagnosis of tuberculosis. Laboratory confirmation diagnosis. Role of radiation diagnostics. Application instrumental and histological methods. Diagnostics tuberculosis in HIV-positive patients.	Lecture	Basic, auxiliary - in accordance with paragraph 8	3 hours	3.3	According to the schedule
Topic 3.	Lecture	Basic,	4	3.3	According

Clinical variants of the flow of pulmonary tuberculosis, non-levels, Combined localization. Tuberculosis of the oral cavity. Features of tuberculosis on the background of HIV infection.		auxiliary - in accordance with paragraph 8	hours		to the schedule
<p>Topic 4.</p> <p>The pathogen of tuberculosis, structure, metabolism, variability, resistance to the environment.</p> <p>Classification. Pathogenicity and virulence of mycobacteria. Main epidemiological</p> <p>Indicators of tuberculous infection and their score. Epidemiology of tuberculosis in Ukraine and the world. Sources of tuberculosis infection. Mechanism of transmission of infection, paths infection. Pathogenesis of tuberculosis. Immunity in tuberculosis. Pathomorphosis tuberculosis. Clinical classification of tuberculosis. The notion of latent Tuberculous infection, primary and secondary tuberculosis. Risk groups.</p>	practical	Basic, auxiliary - in accordance with paragraph 8	4 hours	3.3	According to the schedule
<p>Topic 5.</p> <p>Determination of symptoms that may indicate tuberculosis. Patient's route Z.</p> <p>Cross at the stage of primary medical care. Patient's route with symptoms that may indicate tuberculosis of the oral cavity and jaw. Laboratory Place methods in identifying tuberculosis. Microscopic, bacteriological, molecular-Genetic diagnosis of tuberculosis. Application of radiation research in Diagnostics of tuberculosis. The role of computer and magnetic resonance imaging in diagnostics and differential diagnostics. The role of instrumental and invasive Methods in confirmation of the diagnosis. Emergency states in the clinic of tuberculosis: Spontaneous panemotorax, pulmonary bleeding. Diagnostics, is uneven Help. Tuberculin diagnostics. Principle of method, indications. Role Tuberculin diagnostics in detecting latent tuberculosis infection.</p>	practical	Basic, auxiliary - in accordance with paragraph 8	4 hours	3.3	According to the schedule
<p>Topic 6.</p> <p>Clinical variants of pulmonary tuberculosis, out of pulmonary, combined Localization. Lung, out of pulmonary, combined localization of tuberculosis. Generalized (Miliac) Tuberculosis. Tuberculosis of pleura, lymph nodes, CSN. Tuberculosis in children. Influence of mass immunization against tuberculosis on Pathomorphosis of tuberculosis in children. The course of tuberculosis in vaccinated and a non-vaccinated child.</p>	practical	Basic, auxiliary - in accordance with paragraph 8	4 hours	3.3	According to the schedule
<p>Topic 7.</p> <p>Clinical variants of the flow of pulmonary tuberculosis, extracular, combined Localization. Tuberculosis of the mucous membrane of the oral cavity and bones of the jaws. Course, diagnostics, treatment of TB / HIV coial. Tuberculosis in children. Influence Mass immunization against tuberculosis on patronage of tuberculosis in children. Course tuberculosis in a non-vaccinated child.</p>	practical	Basic, auxiliary - in accordance with paragraph 8	4 hours	3.3	According to the schedule
<p>Topic 8.</p> <p>Basic principles and methods of treatment of patients with pulmonary tuberculosis. Anti-tuberculosis drugs. Standard chemotherapy modes. The notion of pro</p>	practical	Basic, auxiliary - in accordance with paragraph 8	4 hours	3.3	According to the schedule

Chemo-resistance: mono-, poly-, multi-resistant tuberculosis, expanded resistance. Standard, individual, empirical chemotherapy modes chemo-resistant tuberculosis. Treatment of extracurricular tuberculosis. Side Effects of chemotherapy of tuberculosis, strategies for overcoming them.					
Topic 9. Treatment of tuberculosis in HIV-positive patients. Tuberculosis as a manifestation of syndrome Restoration of the immune system against antiretroviral therapy. Monitoring treatment, Evaluation of efficiency. Determination of tuberculosis treatment results. Treatment under by direct supervision. Outpatient and inpatient treatment of tuberculosis. Commitment to treatment.	practical	Basic, auxiliary - in accordance with paragraph 8	4 hours	3.3	According to the schedule
Topic 10. Chain of infection transmission, ways to interrupt: detection, isolation, effective treatment of sources of infection, infectious control, BCG vaccination, Chemoprophylaxis. Infectious control: administrative, engineering, individual aspects. Distribution of streams of patients, concept of high, medium, low risk zones. Respiratory hygiene. Control of air of closed premises: natural, artificial ventilation. Air filtration. UV irradiation: design of irradiators. Individual protection of respiratory organs: types of respirators, the right to pick up and application.	practical	Basic, auxiliary - in accordance with paragraph 8	4 hours	3.3	According to the schedule
Topic 11. Vaccination BCG: Terms, contraindications, technique. Aftervaccinal course the period. Complications of BCG. Indications for chemoprophylaxis of tuberculosis. Modes of chemo prophylaxis.	practical	Basic, auxiliary - in accordance with paragraph 8	2 hours	3.3	According to the schedule

6. Course evaluation system

General course evaluation system

Current control is based on the control of theoretical knowledge, skills and abilities in practical classes. The student's independent work is assessed in practical classes and is part of the final assessment of the student. Current control is carried out during classes and aims to verify the assimilation of students' learning material. Forms of current control are:

- a) test tasks with the choice of one correct answer, with the definition of the correct sequence of actions, with the definition of compliance;
- b) individual oral examination, interview;
- c) solving typical situational problems;
- d) control of practical skills;
- e) solving typical tasks of diagnosis, medical care, medical evacuation, treatment and prevention.

Grades in the national scale ("excellent" - 5, "good" - 4, "satisfactory" - 3, "unsatisfactory" - 2), received by students, are displayed in the journals of attendance and academic group performance.

Final control of learning success is carried out in the form of diff. credit (oral and test tasks).

The maximum number of points that a student can score for current educational activities for admission to the PC is 120 points.

The minimum number of points that a student must score for the current academic activity for admission to the exam is 72 points. The calculation of the number of points is based on the grades obtained by the student on the traditional (national) scale during the study of the discipline during the semester, by calculating the arithmetic mean (CA), rounded to two decimal places.

Assessment of students' independent work. Students' independent work, which is provided by the topic of the lesson along with the classroom work, is assessed during the current control of the topic in the relevant lesson. Assimilation of topics that are submitted only for independent work is checked during the final module control.

Table 1. Conversion of the average grade for current activities in a multi-point scale (for disciplines that end with an exam (differentiated credit))

4-point scale	120-point scale	4-point scale	120-point scale	4-point scale	120-point scale	4-6point scale	120-point scale
5	120	4,45	107	3,91	94	3,37	81
4,95	119	4,41	106	3,87	93	3,33	80
4,91	118	4,37	105	3,83	92	3,29	79
4,87	117	4,33	104	3,79	91	3,25	78
4,83	116	4,29	103	3,74	90	3,2	77
4,79	115	4,25	102	3,7	89	3,16	76

4,75	114	4,2	101	3,66	88	3,12	75
4,7	113	4,16	100	3,62	87	3,08	74
4,66	112	4,12	99	3,58	86	3,04	73
4,62	111	4,08	98	3,54	85	3	72
4,58	110	4,04	97	3,49	84	Less 3	Not enough
4,54	109	3,99	96	3,45	83		
4,5	108	3,95	95	3,41	82		

The maximum number of points that a student can score during the final control of the student's acquisition of knowledge is 80 points.

Table 2. Scale of assessment of differentiated (exam) credit:

National scale	Score scale
«5»	70-80
«4»	60-69
«3»	50-59

Assessment of the final control is

considered credited if the student scored at least 60% of the maximum amount of points (for a 200-point scale - at least 120 points).

The final number of points that the student scored in the discipline is defined as the sum of points for the current educational activity (Table 1) and for the final control (differentiated credit) (Table 2).

Requirements for final test control	<p>The final test control is credited to the student if he demonstrates the possession of practical skills and scored at least 50 points in the test control of theoretical training.</p> <p>The maximum number of points for the final control of the student (differential test) - 80 points.</p> <p>Criteria for assessing students for final control are carried out according to the scheme:</p> <p>"2" - 0-49 points; "3" - 50-60 points; "4" - 61-70 points "5" - 71 - 80 points</p> <p>Assessment of the final test task is carried out by dividing the maximum score of the final control - 80 - by the number of test questions in the variant and multiplied by the number of correct test answers of the student.</p>
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Practical training	Module 1
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Classroom work (Content module 1)

T 1-11	Amount - 200 (The maximum number of points that a student can score for the current educational activity, the minimum is 120 points).
Control work	0
Test	20
Working in pairs	30
Abstract	50

Conditions of admission to the final control

Semester control is provided in the form of credit. Provides a final grade on a 200-point scale as the sum of grades for the current control of knowledge (oral examination, tests, examination of abstracts), the results of the content module.

7. The policy of studying the discipline

The organization of the educational process is carried out with the use of the European Credit Transfer System (ECTS) to assess student performance. The points gained in the current survey, independent work and points of the final control are credited. This must take into account the student's presence in class and his activity during practical work. Inadmissible: absences and late classes; use of a mobile phone, tablet or other mobile devices during the lesson (except for the cases provided by the curriculum and methodical recommendations of the teacher); copying and plagiarism; untimely performance of the task, the presence of unsatisfactory assessments and more submitted theoretical and practical material.

8. Recommended literature

Basza:	<ol style="list-style-type: none"> 1. Phthisiatric: Textbook / VI Petrenko, L. D. Todoriko, L. A. Grischuk et al.; ed. V. I. Petrenka. - Kiev: Medicine, 2015. - 471 p. 2. Prevention of tuberculosis. Tutorial for students and doctors- Interns of the VNMZ IV level of accreditation and doctors / VI Petrenko, M.G. Dolinskaya, AV Aleksandrin, V.V. Petrenko - K.: 2Print, 2017. - 88 p. - access mode http://tb.ucdc.gov.ua/uploads/files/prophilica.pdf. 3. Palliative and hospital assistance to patients with tuberculosis: tutorial (VNZ IV A.) / Yu.I. Feschenko, V.M. Knyazevich, O.M. Razenovskaya, H.A. Grezova / Kiev, 2017
Auxiliary:	<ol style="list-style-type: none"> 1. National tuberculosis resource center http://tb.ucdc.gov.ua/ 2. Website of the Public Health Center of the Ministry of Health of Ukraine http://phc.org.ua/ 3. TB issue on WHO site http://www.who.int/tb/en/; http://www.who.int/tb/ru/ 4. Address of the site of the Department of Phthisiatricism with the course of Clinical Immunology and Allergology: https://phthisiatry.blogspot.com/

Senior lecturer of the department



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