

Ministry of Science and Higher Education Ulyanovsk State University	Form
F-working discipline program	

APPROVED BY
by the decision of the Academic Council of the USU
Institute of Medicine, Ecology and Physical Culture
18.05.2022 Record № 9/239

Chairman Chenkov V.I.
(Signature, Name)
18.05.2022.

WORKING PROGRAM OF THE DISCIPLINE

Discipline:	Diagnostics and treatment of extrapulmonary tuberculosis
Faculty	Medicine
Department	Faculty therapy
Course	6

Direction (specialty) _ 31.05.01 "General Medicine" (with mastering part of the program in English)

The form of education _____ full-time

Date of introduction to the educational process of UISU: " 01 " September 2022

The program was updated at the meeting of the department: protocol №.9 __ from 28.04.2023 __

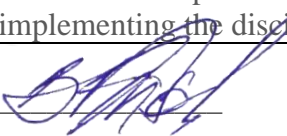

The program was updated at the meeting of the department: protocol №.9 __ from 16.04.2024 __.


The program was updated at the meeting of the department: protocol №. __ from __ 20 __.

The program was updated at the meeting of the department: protocol №. __ from __ 20 __.

Information about developers:

Full name	Department	Position, academic degree, title
Savonenkova L.N.	Faculty therapy	Ph.D.Med, docent

AGREED	AGREED
Head of the Department of Faculty Therapy, implementing the discipline	Head of the Graduate Department of Hospital Therapy
 /V.I.Ruzov/	 / M. A. Vize-Khripunova /
"16" May 2022	"16" May 2022

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1. OBJECTIVES AND AIM OF

The aim is to learn modern methods of diagnostics, treatment and prevention of extrapulmonary tuberculosis.

Tasks:

- Learning the pathogenesis, clinical picture and course of extrapulmonary forms of tuberculosis;
- learning the algorithm of diagnostic search in case of suspicion in a patient with extrapulmonary forms of tuberculosis;
- learn the peculiarities of treatment of the main forms of extrapulmonary tuberculosis;
- be able to form risk groups for extrapulmonary tuberculosis and to prevent it.


2. PLACE OF THE SUBJECT IN THE STRUCTURE OF GEP:

Discipline “Diagnostics and treatment of extrapulmonary tuberculosis” refers to the variative part of B.1 of the specialty according to GEF 988 (12.08.2020) and the curriculum of the specialty 05.31.01 "Medical business" section B1, approved by the rector of Ulyanovsk State University.

The study of “Diagnostics and treatment of extrapulmonary tuberculosis” is preceded by the study of the following disciplines:

Scientific style of speech; The basics of good nutrition; Project activities; Practical application of the International; Classification of functioning in rehabilitation in various pathologies; Propedeutics of Internal Medicine; general surgery; Pathological anatomy; Dentistry; Dermatovenereology; Neurology, medical genetics, neurosurgery; Otolaryngology; Pediatrics; Faculty surgery; Obstetrics, gynecology; Faculty therapy; Ophthalmology; Psychiatry, medical psychology; Endocrinology; Hospital therapy; Infectious diseases; Traumatology and Orthopedics; Hospital surgery, pediatric surgery; Phthiology; Forensic medicine; Urology and Andrology; Topical issues of gynecology; Scientific style of speech; Topical issues of andrology; Scientific text analysis; Therapeutic patient care; Assistant to junior medical personnel; Introductory practice; Assistant Nurse; Practice in obtaining professional skills and professional experience in the positions of secondary medical personnel; Diagnostic practice; Assistant doctor of an inpatient institution; Occupational diseases; Medical rehabilitation; Biopsychosocial Approach to Medical Rehabilitation; Practical application of the International classification of functioning in rehabilitation for various pathologies.


Discipline «Diagnostics and treatment of extrapulmonary tuberculosis” will contribute to the development of the following disciplines: Oncology, radiation therapy; Topical issues of internal diseases; Modern aspects of oncology; Surgical gastroenterology and endoscopy; Clinical electrocardiography; Preparation for passing and passing the state exam.

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3. LIST OF EXPECTED RESULTS OF INSTRUCTION ON THE SUBJECT (UNIT), CORELATED WITH PLANNED RESULTS OF COMPLETING THE PROGRAM

The study of the subject « **Diagnostics and treatment of extrapulmonary tuberculosis**» within the completion of the educational program is directed towards the formation of the following general and professional competences in students:

Code and name of the general professional competence	Code and name of the indicator of achievement of general professional competence
UC2 - Able to manage the project at all stages of its life cycle	<p>ID-1 UC2 Know: Methods of detecting and preventing tuberculosis of extrapulmonary localizations in the therapeutic area of a city polyclinic;</p> <p>Methods of detection and prevention of tuberculosis of extrapulmonary localizations in the therapeutic department of the hospital central district hospital.</p> <p>ID-2 UC2 Be able to: Identify officials who are direct executors in the implementation of the plan for the detection and prevention of extrapulmonary tuberculosis at the medical therapeutic area of the city polyclinic;</p> <p>Identify officials who are direct executors in the implementation of the plan for the detection and prevention of extrapulmonary tuberculosis in the therapeutic department of the hospital of the central district hospital.</p> <p>Identify the official who approves the plan for the detection and prevention of tuberculosis of extrapulmonary localizations in the therapeutic area of the city polyclinic;</p> <p>Identify the official who approves the plan for the detection and prevention of tuberculosis of extrapulmonary localizations in the therapeutic department of the inpatient department of the central district hospital.</p> <p>Identify officials to coordinate a plan for the detection and prevention of tuberculosis of extrapulmonary localizations in the medical therapeutic area of the city polyclinic;</p> <p>Identify officials to coordinate a plan for the detection and prevention of extrapulmonary TB in the therapeutic department of the inpatient department of the central district hospital.</p>

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	<p>ID-3 UC2</p> <p>Own:</p> <p>to make a comprehensive plan for the detection and prevention of tuberculosis of extrapulmonary localizations in the therapeutic area of the city clinic;</p> <p>to make a comprehensive plan for the detection and prevention of extrapulmonary tuberculosis in the therapeutic department of the inpatient department of the central district hospital.</p>
PC2 - Readiness to collect and analyze patient complaints, data from his anamnesis, examination results, laboratory, instrumental, pathological and anatomical and other studies in order to recognize a condition or establish the presence or absence of a disease	<p>ID-1 pc2</p> <p>Know: methods of diagnosis, diagnostic capabilities of methods of direct examination of a patient with tuberculosis; modern methods of clinical, laboratory (clinical and biochemical analysis of blood and urine, examination of sputum on the MBT by the scopic method with staining according to Tsil_Nelson, by flotation, inoculation, PCR, methods for determining the drug sensitivity of MBT), immunological (Mantoux test with 2 TE, with tuberculosis allergen recombinant, Koch test), instrumental examination of tuberculosis patients (including endoscopic, radiological methods, ultrasound diagnostics, computed tomography), histological (biopsies obtained during endoscopic examinations and surgical interventions, in sections).</p> <p>ID2-pc2</p> <p>Be able to: determine the patient's status: collect anamnesis, epidemic history, interview the patient and / or his relatives, conduct a physical examination of the patient (examination, palpation, percussion, auscultation); to conduct a primary examination of systems and organs: respiratory, cardiovascular, blood and hematopoietic organs of the digestive, endocrine and urinary organs;</p> <p>outline the volume of additional studies in accordance with the prognosis of the disease, to clarify the diagnosis and obtain a reliable result.</p> <p>ID-3 pk2</p> <p>Own: methods of general clinical objective examination (questioning, examination, palpation, percussion, auscultation) in a patient with tuberculosis; interpretation of the results of physical, laboratory, immunological, morphological, instrumental research methods in order to diagnose various forms of tuberculosis</p>
PC4 Readiness to determine the need for the use of natural	<p>ID-1 pc4</p> <p>Know: Indications and contraindications for the use of</p>

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<p>therapeutic factors, non-drug therapy and other methods in patients in need of medical rehabilitation and spa treatment</p>	<p>palliative surgical interventions in tuberculosis of extrapulmonary localization; Indications and contraindications for the use of radical surgical interventions in tuberculosis of extrapulmonary localizations; Indications and contraindications to sanatorium-resort treatment of tuberculosis of extrapulmonary localizations ID-2 pc4 Be able to: Identify Indications and contraindications for the use of palliative surgical interventions in tuberculosis of extrapulmonary localization; Identify Indications and contraindications for the use of radical surgical interventions in tuberculosis of extrapulmonary localizations Identify Indications and contraindications to sanatorium-resort treatment of tuberculosis of extrapulmonary localizations; ID-3 pc4 Own: The methodology for determining indications and contraindications to the use of palliative surgical interventions in tuberculosis of extrapulmonary localization; Methodology Determination of indications and contraindications for the use of radical surgical interventions in tuberculosis of extrapulmonary localization; Methodology Determination of indications and contraindications to the use of sanatorium-resort treatment of tuberculosis of extrapulmonary localizations.</p>
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4. Volume of the subject

4.1. Volume of the subject in credit points (total): 2 credit points

4.2. On types of academic workload (in hours): 72


Type of academic work	Number of hours (form of education)		
	Total according to the plan	Including on semesters	
		№ semester 5	№ semester 6
1	2	3	4
Work of students with a teacher	42		
Classes:	42		
Lectures	-		
practical classes and seminars	42		
lab classes (practical lessons)	-		
Self-study work	30		
Concurrent control (number and type: a test, a colloquium, a	Testing, conversation		

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report)			
Course paper	-		
Types of intermediate attestation (examination, offset, credit, test)	offset.		
Total number of hours on the subject	72		

4.3. Contents of the discipline (module). Distribution of hours on themes and kinds of study: Number of hours, The form of training: full time

Name and sections and themes	Activity format						Form of current knowledge control
	Classroom studies						
	Total	lectures	Practical and seminar sessions	laboratory work, workshops	Interactive classes	Self-study work	
Section 1. Clinic and diagnosis of extrapulmonary tuberculosis							
Total	48	-	30			18	
Etiology, general concept of pathogenesis of extrapulmonary tuberculosis and its pathomorphology. Classification of extrapulmonary tuberculosis. Methods of diagnostics of extrapulmonary tuberculosis.	6	-	3			3	Testing, conversation, task solving.
Tuberculosis of the brain tissue.	6	-	3			3	Testing, conversation, task solving.
Tuberculosis of the urinary organs, female and male genitalia	9	-	6			3	Testing, conversation, task solving.
Bone and joint tuberculosis	9	-	6			3	Testing, conversation, task solving.
Abdominal tuberculosis	9	-	6			3	Testing, conversation, task solving.
Tuberculosis of peripheral lymph nodes, skin and eyes	9	-	6			3	Testing, conversation, task solving.
Section 2: Treatment, prevention and detection of extrapulmonary tuberculosis. Dispensary surveillance of extrapulmonary tuberculosis patients.							

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Total	24	-	12			12	
General principles of tuberculosis treatment and peculiarities of treatment of tuberculosis of extrapulmonary localizations	9	-	6			3	Testing, conversation, task solving.
Prevention and detection of extrapulmonary tuberculosis. Dispensary surveillance	15	-	6			9	Testing, conversation, task solving. Development of a tuberculosis detection and prevention plan
Total	72	-	42			30	

If it is necessary to use partially or exclusively distance learning technologies in the educational process, it should be noted that the total number of hours (c.u.) set by the Department of discipline/specialty for each discipline/practice remains unchanged and is implemented in full. In this case, in the corresponding section of the educational program the total number of hours of work with students in accordance with the educational plan is allocated and the number of hours for conducting classes in a remote format using e-learning (online courses, lectures and seminars in videoconference mode, virtual practical classes, laboratory work in the form of virtual analogues, calculation and graphic works, individual tasks in the electronic information and educational environment, etc.) Training and industrial practice for all areas of discipline/specialties of all forms of training can be partially or fully implemented in a remote format.

5. COURSE CONTENT

Section 1. Clinic and diagnosis of extrapulmonary tuberculosis.

Theme 1: Etiology, general concept of extrapulmonary tuberculosis pathogenesis and its pathomorphology. Classification of extrapulmonary tuberculosis. Diagnostic methods for extrapulmonary tuberculosis.

Theme 2. Tuberculosis of the brain coat.

Theme 3: Tuberculosis of urinary organs, female and male genitalia

Theme 4: Tuberculosis of the bone and joint system

Topic 5. Abdominal tuberculosis.


Subject 6: Tuberculosis of peripheral lymph nodes, skin and eyes

Section 2: Treatment, prevention and detection of extrapulmonary tuberculosis.

Dispensary surveillance of extrapulmonary tuberculosis patients.

Theme 7: General principles of tuberculosis treatment and peculiarities of extrapulmonary tuberculosis treatment

Theme 8. Prevention and detection of extrapulmonary tuberculosis. Dispensary surveillance.

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6. TOPICS OF PRACTICAL CLASSES AND SEMINARS (FOR DISCUSSING AND SELF-PREPARING OF STUDENTS)

Section 1. Clinic and diagnosis of extrapulmonary tuberculosis

Topic 1: Etiology, general concept of extrapulmonary tuberculosis pathogenesis and its pathomorphology. Classification of extrapulmonary tuberculosis. Methods of diagnostics of extrapulmonary tuberculosis.

Questions to the lesson:

- General concept of extrapulmonary tuberculosis pathogenesis
- Types of specific tissue reactions in extrapulmonary tuberculosis
- Features of extrapulmonary tuberculosis causative agent
- MDT variability, drug resistance as an expression of variability
- MBT detection methods (bacterioscopic, bacteriological, molecular genetic - PCR)
- Physical methods of diagnostics of extrapulmonary tuberculosis.
- Laboratory methods of VLT diagnostics: general clinical, cytological, histological.
- Immunological methods of diagnostics of VLT. Sample with tuberculosis recombinant allergen.
- Tuberculinodiagnosis of VLT (Mantu sample with 2 TE, Koch sample)
- Instrumental diagnosis of VLT
- Methods of radiation diagnostics - radiological, ultrasonographic, CT, NMR.
- Endoscopic examination methods in HLT diagnostics: FGDS, FKS, cystoscopy, diagnostic laparoscopy

Topic 2. Tuberculosis of the brain tissue.


Questions to the topic:

- Pathogenesis and pathological anatomy of tuberculosis meningitis
- Basal and convexital tuberculosis meningitis; spinal cord tuberculosis
- Clinical picture of tuberculosis meningitis in typical cases
- Brain irritation symptoms
- Symptoms of cranial nerve damage
- Criteria for the diagnosis of tuberculosis meningitis
- Exodus of tuberculosis meningitis.
- Spinal puncture, liquor studies for tuberculosis meningitis
- Differential diagnosis of tuberculosis meningitis
- Atypical clinical variants of the onset of tuberculous meningitis: acute serous, acute abortion, acute purulent meningitis, acute psychosis, epileptoid, "acute abdominal".
- Features of tuberculosis meningitis treatment

Topic 3: Tuberculosis of urinary organs, female and male genitals.

Questions to the topic:

- Pathogenesis and pathological anatomy of the urinary system organs: kidney, ureter, bladder tuberculosis

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- Pathogenesis and pathological anatomy of genital tuberculosis in women
- Pathogenesis and pathological anatomy of genital tuberculosis in men
- Clinical picture, diagnosis and difdiagnosis of kidney tuberculosis
- Clinical picture, diagnosis and difdiagnosis of ureterine and bladder tuberculosis
- Cystoscopy, chromocystoscopy in diagnosis and difdiagnostics of tuberculosis of the urinary organs
- Clinical picture, diagnosis and difdiagnosis of tuberculosis adnexitis
- Clinical picture, diagnosis and difdiagnosis of tuberculosis endometritis
- Hysterosalpingoscopy in diagnosis of female genital tuberculosis
- Clinical picture, diagnosis and difdiagnostics of tuberculosis orchoepididymitis
- Clinical picture, diagnosis and difdiagnosis of tuberculosis prostatitis

Topic 4: Tuberculosis of the osteo-articular system


Questions to the topic:

- Pathogenesis and pathology of tuberculosis of bones and joints
- Clinical picture of tuberculosis of bones and joints: intoxication syndrome, local symptoms
- Clinical picture of tuberculosis spondylitis in the pre-spondylitic, spondylitic, postspondylitic stages
- Clinical picture of tuberculosis coccitus and gonitis in the pre, arthritic and postartritic stages
- Complications and outcomes of tuberculosis spondylitis
- Complications and outcomes of tuberculosis coxitis and gonitis
- 7Differential diagnosis of tuberculosis spondylitis
- Differential diagnosis of tuberculosis coccitus and gonitis

Topic 5. Abdominal tuberculosis.

Questions to the topic:

- Pathogenesis and pathologic anatomy of tuberculosis of the gastrointestinal tract
- Pathogenesis and pathological anatomy of tuberculosis mesadenitis, tuberculosis of other intra-abdominal and retroperitoneal lymph nodes
- Pathogenesis and pathologic anatomy of peritoneal tuberculosis
- Pathogenesis and pathologic anatomy of tuberculosis of parenchymatous organs, abdominal cavity (liver and spleen)
- Clinical picture of tuberculosis of gastrointestinal tract - intestine, stomach, esophagus
- Clinical picture of tuberculosis mesadenitis, tuberculosis of other intra-abdominal and retroperitoneal lymph nodes
- Clinical picture of peritoneal tuberculosis
- Clinical picture of parenchymatous tuberculosis of abdominal organs (liver and spleen)
- Complications of abdominal tuberculosis - bleeding, ulcer perforation, intestinal obstruction, etc.

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- Differential diagnosis of abdominal tuberculosis.
- Exodus of abdominal tuberculosis

Topic 6: Tuberculosis of peripheral lymph nodes, skin and eyes.

Questions to the topic:

- Pathogenesis and pathology of peripheral lymph node tuberculosis
- Pathogenesis and pathological anatomy of skin tuberculosis
- Pathogenesis and pathological anatomy of eye tuberculosis
- Clinical picture of tuberculosis of peripheral lymph nodes in the initial stage, the stage of caseose without decay, abscess and fistulous stages
- Bacteriological and histological criteria for the diagnosis of peripheral lymph node tuberculosis
- Differential diagnosis of tuberculosis of peripheral lymph nodes with malignant lymphadenopathies, sarcoidosis, leishmaniasis, AIDS, neck side cysts
- Clinical manifestations and differential diagnosis of tuberculosis lupus with syphilis and lupus red
- Clinical manifestations and differential diagnosis of papulonecrotic skin tuberculosis with vulgar acne rash
- Clinical manifestations and differential diagnosis of scrofuloderma with chronic deep peptic ulcer pyoderma
- Clinic and differential diagnosis of inductive erythema with thrombophlebitis
- Clinic of hematogenous lesions of eyeball shells (anterior uveitis, peripheral uveitis, choroiretinitis, panuveitis)
- Clinic of eye protection apparatus tuberculosis (eyelid skin, tear glands)
- Clinic Tuberculosis allergic eye diseases in primary tuberculosis infection (allergic keratoconjunctivitis)
- Clinic of visual lesions in CNS tuberculosis (involvement of otorhinolaryngeal nerves in tuberculous meningitis)


Section 2: Treatment, prevention and detection of extrapulmonary tuberculosis.

Dispensary surveillance of extrapulmonary tuberculosis patients.

Topic 7: General principles of tuberculosis treatment and peculiarities of extrapulmonary tuberculosis treatment.

Questions to the topic:

- General principles of tuberculosis treatment: complexity, duration, continuity, continuity, staging
- General principles of specific chemotherapy - combination, account of the mechanism of action of drugs, account of sensitivity of the causative agent, account of side effects, account of related diseases, account of individual tolerance.
- Main antituberculosis drugs: isoniazid, rifampicin, streptomycin, pyrazinamide, ethambutol: mechanism of action, side effects and methods of their elimination

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- Reserve antituberculous drugs: canamycin, etionamide, protionamide, PASK, products of Ofloxacin: mechanism of action, side effects, ways of their elimination
- Pathogenetic means to limit inflammatory response (GCS, NPVP, heparin)
- Pathogenetic means for the prevention of fibrosis (hyaluronidase, pyrogenal, penicillamine)
- Desensitizing
- Microbial immunomodulators - BCG vaccine, tuberculin, pyrogenal, prodigiosan, ribomunil, sodium nucleinate
- Immunomodulators of endogenous origin - thymus extract, immunophan; Cytokines - interleukin -2 human recombinant, interleukin -1 β human recombinant, interferon leukocytic human.
- Synthetic and semi-synthetic immunomodulators - levamisole, glutoxime, polyoxidonium, lycopide
- Pathogenetic drugs for the elimination of side effects
- Radical methods of surgical treatment of extrapulmonary tuberculosis
- Palliative treatments for extrapulmonary tuberculosis
- Peculiarities of treatment of extrapulmonary tuberculosis: local application of medicines, immobilization in complex treatment of bone and joint tuberculosis.

Topic 8. Prevention and detection of extrapulmonary tuberculosis. Dispensary surveillance.

Questions to the topic:


- Methods of specific prevention of extrapulmonary tuberculosis
- Methods of nonspecific prevention of extrapulmonary tuberculosis
- Primary chemoprophylaxis of extrapulmonary tuberculosis
- Secondary chemoprophylaxis of extrapulmonary tuberculosis
- Primary activities in the focus of extrapulmonary tuberculosis infection
- Current activities in the focus of extrapulmonary tuberculosis infection
- Work of the general network for prevention of extrapulmonary tuberculosis: risk groups for extrapulmonary tuberculosis
- Work of the general network for detection of extrapulmonary tuberculosis: preventive bacteriological (study of urine on MBT), surveillance of patients with chronic kidney diseases, diseases of the gastrointestinal tract, hepatobiliary system, musculoskeletal system, HIV-infected persons
- Dispensary groups for patients with extrapulmonary tuberculosis

7. LABORATORY CLASSES - This type of work is not provided for by the UP

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8. SUBJECTS OF COURSE PAPERS, TESTS, ESSAYS - LIST OF QUESTIONS TO BE TAKEN CREDIT FOR

Index of competency	№	The task
PC2	1	General concept of the pathogenesis of extrapulmonary tuberculosis
	2	Types of specific tissue reactions in extrapulmonary tuberculosis
	3	Features of the causative agent of extrapulmonary forms of tuberculosis
	4	Variability of MBT, drug resistance as a manifestation of variability
	5	Methods for detecting MBT (bacterioscopic, bacteriological, molecular genetic - PCR)
	6	Physical methods for diagnosing extrapulmonary tuberculosis.
	7	Laboratory methods of VLT diagnostics: general clinical, cytological, histological
	8	Immunological diagnostic methods for VLT.
	9	Tuberculin diagnosis VLT (Mantoux test with 2 TE, Koch test)
	10	Instrumental diagnostics of VLT
	11	Radiation diagnostic methods - X-ray, ultrasonographic, CT, NMR.
	12	Endoscopic research methods in the diagnosis of VLT: FGDS, FKS, cystoscopy, diagnostic laparoscopy
	13	Lumbar puncture, studies of cerebrospinal fluid in tuberculous meningitis
	14	Cystoscopy, chromocystoscopy in the diagnosis and differential diagnosis of tuberculosis of the urinary organs
	15	Hysterosalpingoscopy in the diagnosis of female genital tuberculosis
	16	Pathogenesis, pathological anatomy, clinical picture, differential diagnosis of tuberculous meningitis
	17	Atypical clinical variants of the onset of tuberculous meningitis: acute serous, acute abortive, acute purulent meningitis, acute psychosis, epileptoid, "acute abdomen"
	18	Pathogenesis, pathological anatomy, clinical picture, differential diagnosis renal tuberculosis
	19	Pathogenesis, pathological anatomy, clinical picture, differential diagnosis of the urinary system organs: tuberculosis of the kidneys, ureters, bladder
	20	Pathogenesis, pathological anatomy, clinical picture, differential diagnosis of genital tuberculosis in women
	21	Pathogenesis, pathological anatomy, clinical picture, differential diagnosis of genital tuberculosis in men
	22	Pathogenesis, pathological anatomy, clinical picture, differential diagnosis of tuberculosis of bones and joints
	23	Pathogenesis, pathological anatomy, clinical picture, differential diagnosis of gastrointestinal tract tuberculosis
	24	Pathogenesis, pathological anatomy, clinical picture, differential diagnosis of tuberculous mesenteric adenitis, tuberculosis of other intra-abdominal and retroperitoneal lymph nodes
	25	Pathogenesis, pathological anatomy, clinical picture, differential


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		diagnosis of peritoneal tuberculosis
	26	Pathogenesis, pathological anatomy, clinical picture, differential diagnosis of tuberculosis of parenchymal organs of the abdominal cavity (liver and spleen)
	27	Pathogenesis, pathological anatomy, clinical picture, differential diagnosis of tuberculosis of peripheral lymph nodes
	28	Pathogenesis, pathological anatomy, clinical picture, differential diagnosis of skin tuberculosis
	29	Pathogenesis, pathological anatomy, clinical picture, differential diagnosis of eye tuberculosis
PC4	30	Pathogenetic drugs to eliminate side effects
	31	Radical methods of surgical treatment of extrapulmonary tuberculosis
	32	Palliative treatments for extrapulmonary tuberculosis
	33	Features of the treatment of extrapulmonary tuberculosis: local application of drugs, immobilization in the complex treatment of osteoarticular tuberculosis
	34	Indications and contraindications to sanatorium-resort treatment of patients with tuberculosis of the osteoarticular system
	35	Indications and contraindications to sanatorium treatment of patients with tuberculosis of the genitourinary system
	36	Indications and contraindications to sanatorium treatment of patients with tuberculous meningitis
	37	Indications and contraindications to sanatorium-resort treatment of patients with tuberculosis of peripheral lymph nodes
	38	Indications and contraindications to sanatorium treatment of patients with tuberculosis of the skin, organ of vision
	39	Indications and contraindications for sanatorium treatment of patients with tuberculous peritonitis, tuberculosis of the intestine and mesenteric lymph nodes
	40	Medical and social rehabilitation of patients with extrapulmonary tuberculosis

9. QUESTIONS FOR EXAM ON DISCIPLINE - not provided for by the UP

10. SELF-STUDY WORK OF STUDENTS

Name of the section / subject	Types of SSW	Total number of hours	Current control
Section 1. Clinic and diagnosis of extrapulmonary tuberculosis	Training material development, solution tasks, test preparation work	18	Testing, task solving check
Section 2: Treatment, prevention of extrapulmonary tuberculosis: dispensary monitoring of extrapulmonary tuberculosis patients	Training material development, solution tasks, test preparation work, Project activities (making a plan to detect and prevent tuberculosis in the therapeutic area of the city clinic and in the therapeutic department of the central district hospital in-patient department)	12	Testing, task solving check.
Total		30	

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11. EDUCATIONAL-METHODICAL AND INFORMATION SUPPORT OF DISCIPLINE

a) List of recommended literature

a) Core reading:

1. Koshechkin, V. A. Phthisiatry : textbook. / Koshechkin V. A. - Москва : ГЭОТАР-Медиа, 2019. - 256 с. - ISBN 978-5-9704-5302-5. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970453025>.
2. Yushchuk, N. D. Infectious diseases : textbook / Yushchuk N. D. , Vengerov Yu. Ya. - Москва : ГЭОТАР-Медиа, 2020. - 464 с. - ISBN 978-5-9704-5504-3. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970455043.html>

b) Supplementary reading:

1. Tarasova L. G. Orofacial tuberculosis: clinic, diagnosis, differential diagnosis / L. G. Tarasova. - Томск : Издательство СибГМУ, 2020. - 102 с. - ISBN 9785985911596. - Текст : электронный // ЭБС "Букап" : [сайт]. - URL : <https://www.books-up.ru/ru/book/orofacial-tuberculosis-clinic-diagnosis-differential-diagnosis-10782954/>
2. Budritsky A. M. Methodics instructions for practical training in Phthisiopulmonology : for the 4-th courses students of medical faculty / A. M. Budritsky, N. V. Vasilenko, N. S. Pravada. - Витебск : ВГМУ, 2020. - 104 с. - ISBN 9789854669700. - Текст : электронный // ЭБС "Букап" : [сайт]. - URL : <https://www.books-up.ru/ru/book/methodics-instructions-for-practical-training-in-phthisiopulmonology-12145454/>

c) Educational and methodical literature

1. Savonenkova L. N.

Methodological instructions for the organization of students' individual work in the discipline «Diagnostics and treatment of extrapulmonary tuberculosis» for specialty 31.05.01 «General medicine» / L. N. Savonenkova; Ulyanovsk State University, Insitute of Medicine, Ecology and Physical culture. - Ulyanovsk : UISU, 2022. - Неопубликованный ресурс; На англ. яз. - URL: <http://lib.ulsu.ru/MegaPro/Download/MObject/11525>. - Режим доступа: ЭБС УЛГУ. - Текст : электронный.

AGREED:


Main Librarian , *Anna* D R Stadolnikova / 22/04/2022

The position of the worker scientific library

Full name

signature

data

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Профессиональные базы данных, информационно-справочные системы

1. Электронно-библиотечные системы:

1.1. Цифровой образовательный ресурс IPRsmart : электронно-библиотечная система : сайт / ООО Компания «Ай Пи Ар Медиа». - Саратов, [2022]. – URL: <http://www.iprbookshop.ru>. – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.

1.2. Образовательная платформа ЮРАЙТ : образовательный ресурс, электронная библиотека : сайт / ООО Электронное издательство ЮРАЙТ. – Москва, [2022]. - URL: <https://urait.ru>. – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.

1.3. Консультант врача. Электронная медицинская библиотека : база данных : сайт / ООО Высшая школа организации и управления здравоохранением-Комплексный медицинский консалтинг. – Москва, [2022]. – URL: <https://www.rosmedlib.ru>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.4. Большая медицинская библиотека : электронно-библиотечная система : сайт / ООО Букап. – Томск, [2022]. – URL: <https://www.books-up.ru/ru/library/>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.5. ЭБС Лань : электронно-библиотечная система : сайт / ООО ЭБС Лань. – Санкт-Петербург, [2022]. – URL: <https://e.lanbook.com>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.6. ЭБС Znanium.com : электронно-библиотечная система : сайт / ООО Знаниум. - Москва, [2022]. - URL: <http://znanium.com> . – Режим доступа : для зарегистрир. пользователей. - Текст : электронный.

1.7. Clinical Collection : научно-информационная база данных EBSCO // EBSCOhost : [портал]. – URL: <http://web.b.ebscohost.com/ehost/search/advanced?vid=1&sid=9f57a3e1-1191-414b-8763-e97828f9f7e1%40sessionmgr102> . – Режим доступа : для авториз. пользователей. – Текст : электронный.

1.8. База данных «Русский как иностранный» : электронно-образовательный ресурс для иностранных студентов : сайт / ООО Компания «Ай Пи Ар Медиа». – Саратов, [2022]. – URL: <https://ros-edu.ru>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

2. КонсультантПлюс [Электронный ресурс]: справочная правовая система. /ООО «Консультант Плюс» - Электрон. дан. - Москва : КонсультантПлюс, [2022].

3. Базы данных периодических изданий:


3.1. База данных периодических изданий EastView : электронные журналы / ООО ИВИС. - Москва, [2022]. – URL: <https://dlib.eastview.com/browse/udb/12>. – Режим доступа : для авториз. пользователей. – Текст : электронный.

3.2. eLIBRARY.RU: научная электронная библиотека : сайт / ООО Научная Электронная Библиотека. – Москва, [2022]. – URL: <http://elibrary.ru>. – Режим доступа : для авториз. пользователей. – Текст : электронный

3.3. Электронная библиотека «Издательского дома «Гребенников» (Grebinnikon) : электронная библиотека / ООО ИД Гребенников. – Москва, [2022]. – URL: <https://id2.action-media.ru/Personal/Products>. – Режим доступа : для авториз. пользователей. – Текст : электронный.

4. Федеральная государственная информационная система «Национальная электронная библиотека» : электронная библиотека : сайт / ФГБУ РГБ. – Москва, [2022]. – URL: <https://нэб.рф>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.

5. SMART Imagebase : научно-информационная база данных EBSCO // EBSCOhost : [портал]. – URL: <https://ebsco.smartimagebase.com/?TOKEN=EBSCO->

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[1a2ff8c55aa76d8229047223a7d6dc9c&custid=s6895741](https://www.ulsu.ru/1a2ff8c55aa76d8229047223a7d6dc9c&custid=s6895741). – Режим доступа : для авториз. пользователей. – Изображение : электронные.

6. Федеральные информационно-образовательные порталы:

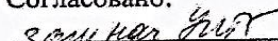
6.1. Единое окно доступа к образовательным ресурсам : федеральный портал . – URL: <http://window.edu.ru/> . – Текст : электронный.

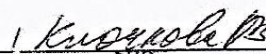
6.2. Российское образование : федеральный портал / учредитель ФГАУ «ФИЦТО». – URL: <http://www.edu.ru>. – Текст : электронный.


7. Образовательные ресурсы УлГУ:

7.1. Электронная библиотечная система УлГУ : модуль «Электронная библиотека» АБИС Мега-ПРО / ООО «Дата Экспресс». – URL: <http://lib.ulsu.ru/MegaPro/Web>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.

Согласовано:



Должность сотрудника УИГИТ


ФИО

 19.04.22
подпись дата

12. SPECIAL CONDITIONS FOR STUDENTS WITH DISABILITIES

Training students with disabilities is carried out taking into account the peculiarities of

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Appendix 1

11. EDUCATIONAL-METHODICAL AND INFORMATION SUPPORT OF DISCIPLINE

Диагностика и лечение внелегочного туберкулеза

a) List of recommended literature

a) Core reading:

1. Koshechkin, V. A. Phthisiatry : textbook / V. A. Koshechkin. - Moscow : GEOTAR-Media, 2023. - 256 с. - ISBN 978-5-9704-7329-0. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970473290.html>
2. Yushchuk, N. D. Infectious diseases : textbook / Yushchuk N. D. , Vengerov Yu. Ya. - Москва : ГЭОТАР-Медиа, 2020. - 464 с. - ISBN 978-5-9704-5504-3. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970455043.html>

b) Supplementary reading:

1. Tarasova L. G. Orofacial tuberculosis: clinic, diagnosis, differential diagnosis / L. G. Tarasova. - Томск : Издательство СибГМУ, 2020. - 102 с. - ISBN 9785985911596. - Текст : электронный // ЭБС "Букап" : [сайт]. - URL : <https://www.books-up.ru/ru/book/orofacial-tuberculosis-clinic-diagnosis-differential-diagnosis-10782954/>
2. Phthisiatry : учебник. - Москва : ГЭОТАР-Медиа, 2017. - 256 с. - URL: <https://www.rosmedlib.ru/book/ISBN9785970439739.html>


c) Educational and methodical literature

1. Savonenkova L. N. Methodological instructions for the organization of students' individual work in the discipline «Diagnostics and treatment of extrapulmonary tuberculosis» for specialty 31.05.01 «General medicine» / L. N. Savonenkova; Ulyanovsk State University, Institute of Medicine, Ecology and Physical culture. - Ulyanovsk : UISU, 2022. - Неопубликованный ресурс; На англ. яз. - URL: <http://lib.ulsu.ru/MegaPro/Download/MObject/11525>. - Режим доступа: ЭБС УЛГУ. - Текст : электронный.



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17.04.2023.

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LIST OF CHANGES 2 of
Educational plan of discipline ”_ Diagnostics and treatment of extrapulmonary tuberculosis ”
Speciality 31.05.01. «General medicine»

№	Content of the change or a link to the attached text of the	Full name of the head of the Department developing the discipline	Signature	Date
1	Introduction of changes to item A) Recommended Literature item 11 "Educational, methodological and information support of the discipline" with the design of Appendix 2	Ruzov V.I		16.04.24
2	Introduction of changes to item C) Professional databases, information and reference systems item 11 "Educational, methodological and information support of the discipline" with the design of Appendix 1	Ruzov V.I		16.04.24

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Appendix 1

11. EDUCATIONAL-METHODICAL AND INFORMATION SUPPORT OF DISCIPLINE

Фтизиатрия

a) List of recommended literature

a) Core reading:

1. Koshechkin, V. A. Phthisiatry : textbook / V. A. Koshechkin. - Moscow : GEOTAR-Media, 2023. - 256 с. - ISBN 978-5-9704-7329-0. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970473290.html>

2. Borodulina, E. A. Diagnosis and prevention of tuberculosis in general medical practice : tutorial guide / E. A. Borodulina, B. E. Borodulin. - Москва : ГЭОТАР-Медиа, 2024. - 104 с. - ISBN 978-5-9704-8190-5, DOI: 10.33029/9704-8190-5-DPT-2024-1-104. - Электронная версия доступна на сайте ЭБС "Консультант студента": [сайт]. URL: <https://www.studentlibrary.ru/book/ISBN9785970481905.html>

b) Supplementary reading:

1. Tarasova L. G. Orofacial tuberculosis: clinic, diagnosis, differential diagnosis / L. G. Tarasova. - Томск : Издательство СибГМУ, 2020. - 102 с. - ISBN 9785985911596. - Текст : электронный // ЭБС "Букап" : [сайт]. - URL : <https://www.books-up.ru/ru/book/orofacial-tuberculosis-clinic-diagnosis-differential-diagnosis-10782954/>

2. Yushchuk, N. D. Infectious diseases : textbook / Yushchuk N. D. , Vengerov Yu. Ya. - Москва : ГЭОТАР-Медиа, 2020. - 464 с. - ISBN 978-5-9704-5504-3. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970455043.html>

1. Savonenkova L. N.


Methodological instructions for the organization of students' individual work in the discipline «Diagnostics and treatment of extrapulmonary tuberculosis» for specialty 31.05.01 «General medicine» / L. N. Savonenkova; Ulyanovsk State University, Institute of Medicine, Ecology and Physical culture. - Ulyanovsk : UISU, 2022. - Неопубликованный ресурс; На англ. яз. - URL: <http://lib.ulsu.ru/MegaPro/Download/MObject/11525>. - Режим доступа: ЭБС УлГУ. - Текст : электронный.

c) Educational and methodical literature

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Appendix 2

Профессиональные базы данных, информационно-справочные системы

1. Электронно-библиотечные системы:

1.1. Цифровой образовательный ресурс IPRsmart : электронно-библиотечная система : сайт / ООО Компания «Ай Пи Ар Медиа». - Саратов, [2024]. – URL: <http://www.iprbookshop.ru>. – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.

1.2. Образовательная платформа ЮРАЙТ : образовательный ресурс, электронная библиотека : сайт / ООО Электронное издательство «ЮРАЙТ». – Москва, [2024]. - URL: <https://urait.ru> . – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.

1.3. База данных «Электронная библиотека технического ВУЗа (ЭБС «Консультант студента») : электронно-библиотечная система : сайт / ООО «Политехресурс». – Москва, [2024]. – URL: <https://www.studentlibrary.ru/cgi-bin/mb4x>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.4. Консультант врача. Электронная медицинская библиотека : база данных : сайт / ООО «Высшая школа организации и управления здравоохранением-Комплексный медицинский консалтинг». – Москва, [2024]. – URL: <https://www.rosmedlib.ru>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.5. Большая медицинская библиотека : электронно-библиотечная система : сайт / ООО «Букап». – Томск, [2024]. – URL: <https://www.books-up.ru/ru/library/> . – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.6. ЭБС Лань : электронно-библиотечная система : сайт / ООО ЭБС «Лань». – Санкт-Петербург, [2024]. – URL: <https://e.lanbook.com>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.7. ЭБС Znanium.com : электронно-библиотечная система : сайт / ООО «Знаниум». - Москва, [2024]. - URL: <http://znanium.com> . – Режим доступа : для зарегистрир. пользователей. - Текст : электронный.

2. КонсультантПлюс [Электронный ресурс]: справочная правовая система. / ООО «Консультант Плюс» - Электрон. дан. - Москва : КонсультантПлюс, [2024].

3. eLIBRARY.RU: научная электронная библиотека : сайт / ООО «Научная Электронная Библиотека». – Москва, [2024]. – URL: <http://elibrary.ru>. – Режим доступа : для авториз. пользователей. – Текст : электронный

4. Федеральная государственная информационная система «Национальная электронная библиотека» : электронная библиотека : сайт / ФГБУ РГБ. – Москва, [2024]. – URL: <https://нэб.рф>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.

5. Российское образование : федеральный портал / учредитель ФГАУ «ФИЦТО». – URL: <http://www.edu.ru>. – Текст : электронный.

6. Электронная библиотечная система УЛГУ : модуль «Электронная библиотека» АБИС Мега-ПРО / ООО «Дата Экспресс». – URL: <http://lib.ulsu.ru/MegaPro/Web>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.

Инженер ведущий



Щуренко Ю.В.

2024