

Federal State Autonomic Educational Institution of Higher Education
«Peoples' Friendship University of Russia»

Medical Institute

Recommended MCSD

SYLLABUS
(STUDY GUIDE)

Subject

Dermatovenereology

Recommended for the direction of training (specialty)

31.05.01 General Medicine

Program (profile, specialization)

General Medicine

1. Aims and objectives of discipline: familiarization of the student with the main skin and venereal diseases, studying their structure, place and role in the structure of morbidity.

2. Place of discipline in the structure of OP HE: refers to the basic part of Block 1 of the academic plan.

Table 1. Given preceding and following disciplines aimed to forming competence of discipline in accordance with the matrix competencies of OP HE

№	Code and title of competence	Preceding disciplines	Following disciplines
General professional competencies			
	GPC – 5, GPC – 7	Anatomy, histopathology, physiology, pathological physiology, pharmacology	Infectious diseases, urology, pediatrics, obstetrics and gynecology
Professional competencies (type of professional activity)			
	PC – 1, PC – 2, PC – 3	Anatomy, histology, pathological anatomy, physiology, pathological physiology, pharmacology	Infectious diseases, urology, pediatrics, obstetrics and gynecology

3. Requirements to results of development of discipline

The process of studying the discipline is aimed to the formation of the following competencies:

Competencies (code)	Name of competencies	Competence achievement indicators
GPC – 5	Being able to assess morpho-functional, physiological conditions and pathological processes in the human body to solve professional tasks.	GPC-5.1. Mastering the algorithm of clinical, laboratory and functional diagnosis when dealing with professional tasks. GPC-5.2. Being able to evaluate the results of clinical, laboratory and functional diagnosis when dealing with professional tasks. GPC-5.3. Being able to determine morpho-functional, physiological states and pathological processes of the human body.
GPC – 7	Being able to prescribe treatment and monitor its efficacy and safety.	GPC-7.1. Mastering skills in the methods of general clinical examination, interpretation of laboratory results, instrumental diagnostic methods. GPC-7.2. Being aware of the algorithm for making a preliminary diagnosis with the subsequent referral of the patient to the relevant medical specialist.
PC - 1	Being able to provide emergency or urgent medical care to a patient.	PC-1.1. Being able to assess the condition of a patient who needs emergency or urgent medical care. PC-1.2. Being able to recognize conditions that arise from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and which require emergency medical care.

		<p>PC-1.3. Being able to provide emergency medical care to patients with sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life.</p> <p>PC-1.4. Being able to recognize conditions which pose a threat to the patient's life, including conditions of clinical death (cessation of the vital bodily functions (blood circulation and/or respiration) which require emergency medical care.</p> <p>PC-1.5. Being able to provide emergency medical care to patients in conditions which pose a threat to the patient's life, including clinical death (cessation of the vital bodily functions (blood circulation and/or respiration).</p> <p>PC-1.6. Being able to use drugs and medical devices when providing medical care in emergency or urgent forms.</p>
PC - 2	Being able to examine a patient in order to determine a diagnosis.	<p>PC-2.1. Mastering the skills to collect complaints, anamnesis of the patient's life and disease, as well as conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation).</p> <p>PC-2.2. Being able to make a preliminary diagnosis and make up a plan of laboratory and instrumental examinations of a patient.</p> <p>PC-2.3. Being able to refer a patient to a laboratory examination in case there are medical indications in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the medical care standards.</p> <p>PC-2.4. Being able to refer a patient to an instrumental examination in case there are medical indications in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the standards of medical care.</p> <p>PC-2.5. Being able to refer a patient to consult with a medical specialist if there is a medical indication in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the standards of medical care.</p> <p>PC-2.6. Being able to refer a patient to be provided with specialized medical care in an inpatient setting or in a day hospital in case there are medical indications in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on</p>

		<p>the provision of medical care taking into account the standards of medical care.</p> <p>PC-2.7. Being able to carry out differential diagnosis with other diseases/conditions, including the urgent ones, as well as to make a diagnosis taking into account the current international statistical classification of diseases and problems related to health (ICD).</p>
PC - 3	Being able to prescribe treatment and monitor its efficacy and safety	<p>PC-3.1. Being able to develop a treatment plan for a disease or condition taking into account the diagnosis, age and clinical picture in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the standards of medical care.</p> <p>PC-3.2. Being able to prescribe medicinal drugs, medical devices and medical nutrition taking into account the diagnosis, age and clinical picture of the disease and in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the standards of medical care.</p> <p>PC-3.3. Being able to prescribe non-drug treatment taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the standards of medical care.</p> <p>PC-3.4. Being able to assess the efficacy and safety of the use of drugs, medical devices, medical nutrition and other treatment methods.</p> <p>PC-3.5. Being able to provide palliative care in collaboration with medical specialists and other healthcare professionals.</p> <p>PC-3.6. Being able to organize personalized treatment for a patient, including pregnant women, elderly and senile patients; assess the efficacy and safety of treatment.</p>

Intended learning outcomes on discipline

As a result of studying the discipline a student must:

Know:

- anatomy, physiology, histology and histopathology of the skin;
- classification, morphology and physiology of microorganisms and viruses, their effect on human's health, methods of microbiological diagnosis, use of basic antibacterial, antiviral and biological preparations;
- epidemic process and non-infectious epidemiology, epidemiology of infectious and

parasitic skin diseases;

- etiology, pathogenesis and prevention measures of the most common skin and venereal diseases, their current classification;
- clinical manifestation, peculiarities of the course and possible complications of the most common dermatovenerological conditions occurring in typical form in different age groups;
- methods of diagnosis of the skin and venereal diseases;
- treatment methods of skin and venereal diseases and indications for their use.

Be able to:

- use educational, scientific, popular science literature, the Internet for professional activities;
- work with magnifying technology (microscopes, optical and simple magnifying glasses);
- write prescriptions for medicines, use different dosage forms for certain pathological conditions;
- use of basic antibacterial, antiviral and biological preparations;
- to diagnose the causative agents of parasitic diseases of a person on the preparation, slide, photos;
- substantiate the principles of pathogenetic therapy of the most common skin and venereal diseases;
- interpret the results of the main diagnostic allergological tests;
- determine the patient's status: collect anamnesis, conduct a patient survey, conduct a physical examination of the patient, assess the patient's condition to make a decision about the need for medical care; conduct an initial examination of the skin
- formulate a clinical diagnosis;
- develop a plan of therapeutic action, taking into account the course of the disease and its treatment;
- formulate indications for the chosen method of treatment, taking into account etiopathic and pathogenetic agents, to determine the route of administration, the regimen and dose of drugs,
- fill out a medical history,
- write a prescription.

Manage:

- microscopic skills,
- skills of making a preliminary diagnosis,
- the skill of comparing morphological and clinical manifestations of diseases;
- skills of using drugs in the treatment, rehabilitation and prevention of various skin and

- venereal diseases and pathological conditions;
- proper maintenance of medical records;
- methods of general clinical examination;
- interpretation of the results of laboratory, instrumental diagnostic methods;
- algorithm of the developed clinical diagnosis;
- the main medical diagnostic and therapeutic measures used in dermatology and venereology.

4. Workload of discipline and types of study

General credit value of the discipline is 3 credit units.

	Type of study load	Total hours	Semesters			
			7			
1.	Class hours (total)	60	60	-	-	-
1.1	Practical training (PT)	54	54	-	-	-
1.2	Other types (credit) (testing at TUIS)	6	6			
2.	Independent work (total)	48	48	-	-	-
2.1	<i>Essay (medical history)</i>	10	10			
2.2	<i>Independent work on the proposed topics</i>	38	38			
3.	Total labor intensity (hours)	108	108	-	-	-
	Total labor intensity (Credit Unit)	3	3	-	-	-

5. Content of the discipline

5.1. The content of the discipline sections

№ п/п	Name of the section of discipline	Contents of the section
1.	General dermatology	1. Anatomy, physiology, skin histology; 2. Elements of rash; 3. Methods of examination of dermatological patient; 3. General principles of diagnostics and treatment of dermatological patients. Methods of external treatment
2.	Specific dermatology	1. Infectious and parasitic diseases of the skin; 2. Psoriasis; 3. Lichen planus, pityriasis rosea; 4. Dermatitis, eczema, toxicodermia; 5. Quincke edema, urticaria; 6. Blistering diseases of the skin; 7. Stevens-Johnson's syndrome and Lyell's syndrome; 8. Erythema exudative multiforme; 9. Lupus erythematosus
3.	Venerology	1. Syphilis; 2. Gonorrhea and non-gonococcal urethritis.

5.2. Sections of disciplines and types of classes

№	Name of the section of discipline	L	Practical exercises and laboratory work			S	IW	Total hours
			PC	LR	IF			
1.	General dermatology	-	6	-	-	-	6	12
2.	Specific dermatology	-	30	-	-	-	24	54
3	Venerology	-	18	-	-	-	22	40

6. Laboratory work (not provided).

7. Practical training (seminars)

№	№ discipline section	Subject of a practical training (seminars)	Workload (hours)
1	1	Anatomy and physiology of the skin. Primary and secondary elements of the rash. Methods of examination of a dermatological patient. Laboratory diagnosis. Principles of general and local treatment. External treatment methods	6
2	2	Dermatitis. Eczema. Toxicoderma. Urticaria. Quincke edema. Stevens-Johnson's syndrome and Lyell's syndrome	6
3	2	Psoriasis. Lichen planus. Pityriasis rosea	6
4	2	Pyoderma. Scabies. Lice	6
5	2	Viral and blistering dermatoses	6
6	2	The general course of syphilis. Primary and secondary syphilis	6
7	3	Tertiary and congenital syphilis	6
8	3	Principles of diagnosis and treatment of syphilis Lupus erythematosus	6
9	3	Gonorrhoea and non-gonococcal urethritis. Candidiasis	6

8. Material and technical support of the discipline:

1. Training classes (3 rooms), a conference room equipped with multimedia projectors, personal computers.
2. Computer classes of the medical faculty, information library center of university with access to the electronic library system of the university, Internet.
3. Educational posters, models and tables.
4. A set of videos (CD, DVD), multimedia presentations.

9. Information support of the discipline:

a) Software:

- (Microsoft Subscription) Enrollment for Education Solutions №86626883 from 01.04.2015.
- Windows 10 corporate with long-term service, version 1607, product code 00378-20000-00003-AA938.

b) Databases, reference and search systems:

1. Electronic Library System (ELS) of the University and third-party ELS, to which university students have access on the basis of concluded contracts:

- Electronic library system - ELS RUDN <http://lib.rudn.ru/MegaPro/Web>
- ELS "University Library Online" <http://www.biblioclub.ru>
- ELS Yurayt <http://www.biblio-online.ru>
- ELS "Student Consultant" www.studentlibrary.ru
- ELS "Lan" <http://e.lanbook.com/>

2. Databases and search engines :

- electronic fund of legal and regulatory and technical documentation <http://docs.cntd.ru/>
- Yandex search engine <https://www.yandex.ru/>
- Google search engine <https://www.google.com/>
- reference database SCOPUS <http://www.elsevierscience.ru/products/scopus/>
- WHO documentation center <http://whodc.mednet.ru/>
- dermIS.net <http://www.dermis.net/dermisroot/en/home/index.htm>
- dermatology Image Atlas <http://dermatlas.med.jhmi.edu/derm/>.
- dermnet.com <http://www.dermnet.com/>.
- DVD-film "Syphilis",
- an atlas of dermatology.

10. Educational and methodical support of the discipline:

a) Main literature:

1. Chebotarev V.V., Askhakov M.S. Dermatovenerology. Textbook. M.: GEOTAR-Media, 2020. - 640 pp.
2. Tishchenko L.D., Goussous Jareer S.N. General Dermatology & Venereology Practical Textbook: Practical Outlines for English medium students of the Faculty of Medicine [Electronic resource]- Moscow: "Izdatel'stvo RUDN". – 2012.
3. Dermatovenerology. Atlas : textbook / A. N. Platonova, A. L. Bakulev, S. R. Utts. - M.: GEOTAR-Media, 2017. - 136 p.: ill.

b) Additional literature:

1. James G. Marks Jr. MD, Jeffrey J. Miller MD. Lookingbill and Marks' Principles of Dermatology. – 6th edn. "Elsevier". – 2019.
2. Zudin B.I. Skin and venereal diseases [Electronic resource]: A textbook for medical schools and colleges / B.I. Zudin, N.G. Kochergin, A.B. Zudin. - 2nd edn. - Moscow: "GEOTAR-Media". – 2016.
3. Wolff, Klaus, Richard Allen Johnson, Dick Suurmond, and Thomas B. Fitzpatrick. Fitzpatrick's Color Atlas and Synopsis of Clinical Dermatology, 8TH. ed. New York: McGraw-Hill Medical Pub. Division. - 2017.
4. Gawkrödger D.J., Ardern-Jones M.R. Dermatology: An Illustrated Colour Text, 5th edn.- Oxford: "Churchill Livingstone". - 2012.
5. Habif T.P., Campbel J. L., Chapman S. M., et. al. Skin Disease: Diagnosis and Treatment, 3rd edition. – London: "Elsevier". – 2011.
6. Butov, Yu. S. Dermatovenerology. National leadership. Brief edition / edited by Yu. S. Butov, Yu. K. Skripkin, O. L. Ivanov. - Moscow: GEOTAR-Media, 2020. - 896 p. Access mode: <https://www.rosmedlib.ru/book/ISBN9785970457085.html>

11. Guidelines for students on the development of the discipline (module)

Students are required to attend classes, complete teacher assignments, familiarize themselves with recommended literature, etc. When assessing a student, the quality of work in the classroom, the level of preparation for independent activities in the chosen field, the quality of the teacher's assignments, and the ability to study independently the material are assessed.

At practical classes in the classrooms, the relevant topics are analyzed using multimedia technology (computer, projector).

Independent work in extracurricular hours can take place both in the classrooms of the department and the computer classroom, where students can study the material on presentations prepared by the department teachers, as well as on computer tests.

Extracurricular independent work includes: studying the material in the textbook, textbooks on paper and electronic media; preparation of abstract messages on the chosen topic; preparation for the performance of tests.

Requirements to the abstract: relevance of the topic, whether the content of the topic, the depth of material, correctness and completeness of use of sources, matching the formatting of the summary standards.

12. Evaluation for conducting intermediate certification of students in the discipline "Dermatovenerology"

Materials for assessing the level of mastering the educational material of the discipline "Dermatovenerology" (evaluation materials), including a list of competencies with an indication

of the stages of their formation, a description of indicators and criteria for evaluating competencies at various stages of their formation, a description of assessment scales, standard control tasks or other materials, necessary for evaluating knowledge, abilities, skills and (or) experience of activities that characterize the stages of the formation of competencies in the process of mastering the educational program, methodological materials that define the procedures for evaluating knowledge, skills, skills and (or) work experience that characterize the stages of competence formation are developed and available to students on the discipline page in the TUIS.

The program is compiled in accordance with the requirements of the FSES HE.

Developers:

Assistant of the Department of Dermatovenereology
and Allergology with Immunology Course

Alexey L. Savastenko

Head of the Department of Dermatovenereology
and Allergology with Immunology Course, professor

Olga V.Zhukova

Head of the program

Ivan V.Radish