MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS
Educational Institution
«BELARUSIAN STATE MEDICAL UNIVERSITY»

Контрольный экземпляр

APPROVED
by Rector of the Educational Institution «Belarusian State Medical University»
_____ S.P.Rubnikovich
25.06.2026
Reg. # UD-0911-01-75/2627/edu.sub.

DERMATOVENEROLOGY

Curriculum of the Educational Institution in the Academic Discipline for the Specialty 1-79 01 01 «General Medicine»

Sub-Residency «General Medical Practice»

2026

Curriculum is based on the educational program «Dermatovenereology», approved 25.06.2026, registration # УД-0911-01-59/2627/уч.суб.; on the educational plan in the specialty 1-79 01 01 «General Medicine», approved 15.04.2026, registration # 7-07-0911-01/2627/mf

COMPILER:

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RECOMMENDED FOR APPROVAL:

by the Department of Dermatovenereology and Cosmetology with a course of advanced training and retraining of the Educational Institution «Belarusian State Medical University»
(protocol # 11 of 06.04.2026);

by the Scientific and Methodological Council of the Educational Institution «Belarusian State Medical University»
(protocol # 10 of 25.06.2026)

EXPLANATORY NOTE

The aim of the academic discipline «Dermatovenereology» is the formation of specialized competencies for aiding the patients with skin diseases and sexually transmitted infections (STI) of native inhabitants of tropic countries or visitors who came to hot and humid climatic conditions.

The objectives of the academic discipline «Dermatovenereology» are to form students' scientific knowledge about etiology, pathogenesis, clinical manifestations of infectious skin diseases, chronic dermatoses and STI that are specific for native population and visitors of countries with hot humid climate and also skills and abilities that are required for:

examination of patients with skin diseases and STI;

interpretation of the results of clinical and laboratory investigation methods;

diagnostics, treatment and prevention of skin diseases and STI.

Relations to other academic disciplines

Teaching and successful study of the academic discipline «Dermatovenereology» is carried out on the basis of the knowledge and skills previously acquired by the students in the following academic disciplines: «Microbiology, Virology, Immunology», «Clinical Pharmacology», «Dermatovenereology».

Studying the academic discipline «Dermatovenereology» should ensure the formation of students' specialized competency: to carry out the examination, diagnostics, treatment and medical prevention in patients with skin diseases and STI that are specific for countries with hot humid climate.

As a result of studying the academic discipline «Dermatovenereology» the student should

know:

principles of medical ethics and deontology;

primary and secondary skin lesions, their main pathomorphological features;

basic ideas about etiology, pathogenesis, clinical manifestations, methods of diagnostics and differential diagnostics, prevention and treatment of skin diseases and STI in countries with hot humid climate;

be able to:

identify the primary and secondary skin lesions;

carry out the complex examination of patient with skin diseases and STI;

design the plan of laboratory and instrumental examination of patients with skin diseases and STI;

interpret the results of examination;

formulate the diagnosis;

prescribe treatment in accordance with diagnosis, clinical type and severity of disease;

differentiate diseases with clinically close conditions;

assign preventive measures for skin diseases and STI that are specific for countries of hot climate;

arrange medical documents;

master:

methods of examination of patients;

modes of diagnostics and differential diagnostics of skin diseases and sexually transmitted infections that are specific for countries with hot humid climate.

Organization of the educational process

Practical classes are conducted at the inpatient departments (Dermatovenerology Departments # 2, 3, 5, 6) and the outpatient department (Outpatient Dermatovenerology Department # 3) of the healthcare institution «Minsk City Clinical Center of Dermatovenerology». Practical training is achieved through students solving clinical case scenarios, completing test tasks and practicing clinical skills in patient examination, diagnosis and differential disease diagnosis of skin diseases.

Total number of hours for the study of the academic discipline is 54 academic hours, of which 35 classroom hours and 19 hours of student independent work. Classroom hours according to the types of studies: practical classes – 35 hours.

Form of higher education – full-time.

Intermediate assessment is carried out according to the syllabus of the specialty for the academic disciplines «Endocrinology», «Outpatient Therapy» and «Dermatovenerology» of the «Therapy» Module in the form of a credit (11 semester).

THEMATIC PLAN

Section (topic) name	Number of class hours
	practical
1. General principles of diagnostics and treatment of skin diseases and sexually transmitted infections	**7**
2. Tropical superficial mycoses. Subcutaneous mycoses	7
3. Tropical pyodermas, tropical ulcers cutaneous gangrenes. Cutaneous helminthiases	7
4. Leprosy. Leishmaniases. Cutaneous tuberculosis	7
5. Tropical sexually transmitted infections. Endemic treponematoses	7
Total hours	**35**

CONTENT OF THE ACADEMIC DISCIPLINE

1. General principles of diagnostics and treatment of skin diseases and sexually transmitted infections

Methodology of examination of dermatological patient. Primary skin lesions: macula (kinds of macules), papule, node, tubercle, wheal, vesicle, pustule, blister. The idea of exudative and proliferative primary lesions. Secondary skin lesions: scale, crust, erosion, ulcer, lichenification, scar, vegetation, excoriation, fissure. Pathomorphology of the skin: hyperkeratosis, parakeratosis, dyskeratosis, acanthosis, granulosis,

spongiosis, vacuolar degeneration, ballooning degeneration, acantholysis. Chronic granulomatous inflammation. Principles of special examination in dermatology: diascopy, palpation, scraping, dermatoscopy. Microscopic and cultural examination in dermatology. Skin biopsy, indications. Main principles of dermatological treatment (general and topical treatment). Medical formulations for external use (ointment, cream, emulsion, solution, gel, lotion, spray). Indications for application. Methods of diagnostics and treatment of STI.

Obtaining the history and complains of patient, designing the plan of laboratory and instrumental examination of patients with skin diseases and suspected STI (syphilis, gonorrhea, chlamydiosis, trichomoniasis, ureamycoplasmosis). Interpretation of the results of laboratory and instrumental examination, formulating the diagnosis, planning of treatment.

2. Tropical superficial mycoses. Subcutaneous mycoses

Tropical mycoses. Pityriasis versicolor: peculiarities of clinical manifestations. Tinea imbricata: epidemiology, clinical manifestations, diagnostics, treatment. Shimbery: etiology, epidemiology, clinical manifestations, diagnostics, treatment. Tinea nigra: etiology, epidemiology, clinical manifestations, diagnostics, treatment. Tinea alba: etiology, epidemiology, clinical manifestations, diagnostics, treatment. Tinea flava: etiology, epidemiology, clinical manifestations, diagnostics, treatment. Piedra: etiology, predisposing factors, clinical course, diagnostics, treatment.

Subcutaneous mycoses: classification. Coccidioidomycosis: causative agent, ways of transmission, clinical manifestations, diagnostics, differential diagnostics, treatment, prevention. Histoplasmosis: causative agent, clinical manifestations, laboratory diagnostics, treatment, prevention. Sporotrichosis: causative agent, ways of transmission, clinical course, manifestations, laboratory diagnostics, treatment. Eumycetoma; etiology, ways of contagion, clinical course, manifestations, laboratory diagnostics, treatment. Chromomycosis: causative agent, ways of transmission, clinical course, manifestations, laboratory diagnostics, treatment.

Clinical protocol «Diagnostics and treatment of adult patients with infections of skin and subcutaneous fat»: decree of Ministry of Health of the Republic of Belarus of 22.06.2022 # 59.

Obtaining the history and complains of patient, designing the plan of laboratory and instrumental examination of patients with suspected tropical mycoses, subcutaneous mycoses. Interpretation of the results of laboratory and instrumental examination, formulating the diagnosis, planning of treatment.

3. Tropical pyodermas, tropical ulcers cutaneous gangrenes. Cutaneous helminthiases

Tropical pyodermas. Pyosis of Manson: etiology, clinical manifestations, treatment. Acne-keloid: clinical manifestations, treatment. Tropical acne: etiology, clinical manifestations, treatment. Tropical vesicular acrodermatitis of Castellani and Chalmer: etiology, clinical manifestations, treatment. Tropical pyomiositis: clinical peculiarities, diagnostics, differentia diagnostics, treatment.

Tropical ulcers. True tropical ulcer: etiology, clinical manifestations, diagnostics, treatment. Tropicaloid ulcer: epidemiology, clinical manifestations, diagnostics, treatment. Desert ulcer: epidemiology, clinical manifestations,

diagnostics, treatment. Buruli ulcer: etiology, epidemiology, clinical manifestations, diagnostics, treatment.

Cutaneous gangrenes. Multiple gagngrene of children: etiology, clinical manifestations, treatment. Multiple gangrene of adults: course peculiarities. Noma (stomatonecrosis): etiology, clinical manifestations, treatment. Madagascar noma: clinical manifestations, treatment.

Cutaneous helminthiases. Schistosomiasis (bilharziasis): etiology, clinical manifestations, complications, diagnostics, treatment. Cysticercosis: clinical manifestations, diagnostics, treatment. Diphyllobothriasis, trichinosis, larva migrans: etiology, clinical manifestations, treatment. Filariases: etiology, clinical manifestations, treatment.

Clinical protocol «Diagnostics and treatment of adult patients with infections of skin and subcutaneous fat»: decree of Ministry of Health of the Republic of Belarus of 22.06.2022 # 59.

Obtaining the history and complains of patient, designing the plan of laboratory and instrumental examination of patients with suspected tropical pyodermas or cutaneous helminthiases. Interpretation of the results of laboratory and instrumental examination, formulating the diagnosis, planning of treatment.

4. Leprosy. Leishmaniases. Cutaneous tuberculosis

Leprosy classification, reservoir and source of leprosy, ways of leprosy transmission. Lepromatous, tuberculoid, borderline leprosy: clinical manifestations, laboratory diagnostics. Treatment of patients with different types of leprosy, organization of leprosy control, striking off the register, prevention of leprosy.

Cutaneous Old World leishmaniasis: epidemiology, etiology, classification, clinical manifestations, complications, treatment, prevention. Cutaneous New World leishmaniasis: epidemiology, etiology, classification, clinical manifestations, complications, treatment, prevention. Mucocutaneous leishmaniasis: epidemiology, etiology, classification, clinical manifestations, complications, treatment, prevention.

Cutaneous tuberculosis: epidemiology, etiology, classification. Verrucous tuberculosis, lupus vulgaris, scrofuloderma, papulonecrotic tuberculosis, miliary tuberculosis: clinical manifestations, principles of diagnostics and treatment

Clinical protocol «Diagnostics and treatment of adult patients with infections of skin and subcutaneous fat»: decree of Ministry of Health of the Republic of Belarus of 22.06.2022 # 59.

Obtaining the history and complains of patient, designing the plan of laboratory and instrumental examination of patients with suspected leprosy, leismaniasis, cutaneous tuberculosis. Interpretation of the results of laboratory and instrumental examination, formulating the diagnosis, planning of treatment.

5. Tropical sexually transmitted infections. Endemic treponematoses

Tropical STI

Lymphogranuloma venereum: epidemiology, etiology, pathogenesis, incubation period, clinical manifestations, clinical and laboratory diagnostics, differential diagnosis, treatment, prevention.

Chancroid (ulcus molle): epidemiology, etiology, pathogenesis, incubation period, clinical types (towering, serpeginous, gangrenous, miliary, funnel-shaped,

diphtheritic, papular, mixed), complications, clinical and laboratory diagnostics, differential diagnostics, principles of treatment, prevention.

Donovanosis: etiology, pathogenesis, ways of transmission, course of disease, clinical manifestations, diagnostics, principles of treatment.

Endemic treponematoses

Yaws (frambesia): etiology, pathogenesis, ways of transmission, course of disease, primary, secondary and tertiary periods, clinical manifestations, principles of diagnostics, differential diagnostics, treatment, prevention.

Bejel: etiology, pathogenesis, ways of transmission, course of disease, clinical manifestations, principles of diagnostics, differential diagnostics, treatment, prevention.

Pinta (carate): etiology, pathogenesis, ways of transmission, course of disease, primary, secondary and tertiary periods, clinical manifestations, principles of diagnostics, differential diagnostics, treatment, prevention.

Clinical protocol «Diagnostics and treatment of patients with syphilitic infection»: decree of Ministry of Health of the Republic of Belarus of 19.09.2019 # 96.

Clinical protocol «Diagnostics and treatment of patients with sexually transmitted infections»: decree of Ministry of Health of the Republic of Belarus of 29.10.2009 # 1020.

Obtaining the history and complains of patient, designing the plan of laboratory and instrumental examination of patients with suspected endemic treponematoses. Interpretation of the results of laboratory and instrumental examination, formulating the diagnosis, differentiation from syphilis with comparison of laboratory data, planning of treatment.

EDUCATIONAL DISCIPLINE «DERMATOVENEREOLOGY» CURRICULAR CHART

Section, topic #	Section (topic) name	Number of class hours	Literature	Practical skills	Form of control	
		practical			of practical skills	of current / intermediate assessment
1.	General principles of diagnostics and treatment of skin diseases and sexually transmitted infections	7	1-7	1. Obtaining of the complains and history of dermatological patient. 2. Examination of skin and visible mucosa of dermatological patient. 3. Identification of skin lesions, description of cutaneous and mucosal manifestations. 4. Proper choice and methodology of application of topical medical formulations. 5. Hygienic hand sanitization	Performing at the patient's bedside, assessment based on role-playing, solving of situational tasks, registration of a prescription form, visual evaluation of skill accomplishment	Interview, tests, defense of the abstract (report)
2.	Tropical superficial mycoses. Subcutaneous mycoses	7	1-7	1. Obtaining of the complains and history of dermatological patient. 2. Examination of skin and visible mucosa of dermatological patient. 3. Identification of skin lesions, description of cutaneous and mucosal manifestations. 4. Proper choice and methodology of application of topical medical formulations. 5. Interpretation of laboratory results.	Performing at the patient's bedside, assessment based on role-playing, solving of situational tasks, analyzing the medical cards, registration of a prescription form, accomplishment in the Mycological laboratory of clinical base	Interview, tests, defense of the abstract (report)

				6. Microscopic revelation of causatives of fungal infections		
3.	Tropical pyodermas, tropical ulcers cutaneous gangrenes. Cutaneous helminthiases	7	1-7	1. Obtaining of the complains and history of dermatological patient. 2. Examination of skin and visible mucosa of dermatological patient. 3. Identification of skin lesions, description of cutaneous and mucosal manifestations. 4. Proper choice and methodology of application of topical medical formulations. 5. Interpretation of laboratory results	Performing at the patient's bedside, assessment based on role-playing, solving of situational tasks, analyzing the medical cards, registration of a prescription form	Interview, tests, defense of the abstract (report)
4.	Leprosy. Leishmaniases. Cutaneous tuberculosis	7	1-7	1. Obtaining of the complains and history of dermatological patient. 2. Examination of skin and visible mucosa of dermatological patient. 3. Identification of skin lesions, description of cutaneous and mucosal manifestations. 4. Proper choice and methodology of application of topical medical formulations. 5. Interpretation of laboratory results	Performing at the patient's bedside, assessment based on role-playing, solving of situational tasks, analyzing the medical cards, registration of a prescription form	Interview, tests, defense of the abstract (report)
5.	Tropical sexually transmitted infections. Endemic treponematoses	7	1-7	1. Obtaining of the complains and history of STI patient. 2. Examination of skin and visible mucosa of STI patient. 3. Identification of skin lesions, description of cutaneous and mucosal manifestations. 4. Interpretation of laboratory results.	Performing at the patient's bedside, assessment based on role-playing, solving of situational tasks*, analyzing the medical cards, accomplishment in the Serological	Interview, tests*, defense of the abstract (report) Credit

				5. Interpretation of rapid plasma reagin test results. 6. Interpretation of passive hemagglutination test results	laboratory of clinical base	
	Total hours	**35**				

*This is a mandatory form of current certification.

INFORMATION AND INSTRUCTIONAL UNIT

LITERATURE

Basic (relevant):

1. Skin and venereal diseases : textbook / Oh. Yu. Olisova, K. M. Lomonosov, E. S. Sharskaya. – Moscow : GEOTAR-Media, 2024. – 320 p.

Additional:

2. Chebotarev, V. V. Dermatovenereology : textbook / V. V. Chebotarev, M. S. Askhakov. – Moscow : GEOTAR-Media, 2020. – 627 p.
3. Adaskevich, U. P. Skin diseases and sexually transmitted infections : handbook / U. P. Adaskevich. – Vitebsk : VSMU, 2016. – 398 p.
4. Dermatology : 2 volume set / J. L. Bolognia [et al]. – 4th ed. – Elsevier Limited, 2018. – 2880 p.
5. Fitzpatrick's Dermatology In General Medicine : 2 volume / S. Kang [et al]. – 9th ed. – McGraw Hill Medical, 2019. – 1866 p.
6. Rook's Textbook of Dermatology : 4 volume set / C. Griffiths [et al]. – 9th ed. – Wiley-Blackwell, 2016. – 4696 p.

Electronic courseware for the academic discipline «Dermatovenereology»

7. https://etest.bsmu.by/course/view.php?id=336.

METHODOLOGICAL RECOMMENDATIONS FOR THE ORGANIZATION AND PERFORMANCE OF STUDENT INDEPENDENT WORK IN THE ACADEMIC DISCIPLINE

The time allocated for independent work can be used by students for:
preparing for practical classes;
preparing for credit in the academic discipline;
preparing thematic reports, abstracts, presentations;
taking notes of educational literature.

LIST OF AVAILABLE DIAGNOSTIC TOOLS

The following forms of current certification are used to diagnose competencies:
defense of the abstract (report);
interview;
solving of situational tasks;
tests.

LIST OF AVAILABLE TEACHING METHODS

Traditional method;
active (interactive) methods:
training based on simulation technologies;
Problem-Based Learning (PBL);
Case-Based Learning (CBL).

LIST OF PRACTICAL SKILLS

Name of practical skills	Form of practical skills control
1. Obtaining of the complains and history of dermatological patient / STI patient	Performing at the patient's bedside, assessment based on role-playing
2. Examination of skin and visible mucosa of dermatological patient / STI patient	Performing at the patient's bedside
3. Identification of skin lesions, description of cutaneous and mucosal manifestations	Performing at the patient's bedside, solving of situational tasks
4. Proper choice and methodology of application of topical medical formulations	Solving of situational tasks, registration of a prescription form
5. Microscopic revelation of causatives of fungal infections	Performing in the Mycological laboratory of clinical base
6. Interpretation of laboratory results	Analyzing the medical cards, solving of situational tasks
7. Interpretation of rapid plasma reagin test results	Performing in the Serological laboratory of clinical base
8. Interpretation of passive hemagglutination test results	Performing in the Serological laboratory of clinical base
9. Hygienic hand sanitization	Visual evaluation of skill performing, solving of situational tasks

PROTOCOL OF THE CURRICULUM APPROVAL BY OTHER DEPARTMENTS

Title of the discipline requiring approval	Department	Amendments to the curriculum in the academic discipline	Decision of the department, which designed the curriculum (date, protocol #)
Microbiology, Virusology, Immunology	Microbiology, virusology, Immunology	No amendments proposed	To use in the educational process. Protocol # 11 of 06.04.2026
Clinical Pharmacology	Clinical Pharmacology	No amendments proposed	To use in the educational process. Protocol # 11 of 06.04.2026

COMPILERS/AUTHORS:

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Curriculum content, composition and the accompanying documents comply with the established requirements.

Head of the Office of Educational Activities of the Educational Institution «Belarusian State Medical University» I.L.Kotovich

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