

SPECIALIST DEGREE PROGRAMME 31.05.01 'GENERAL MEDICINE'

COURSE (MODULE) «dermatovenerology»

OVERVIEW

| | |
|-------------------|--|
| Mode of study | full time |
| Faculty | International Institute of Medical Education and Cooperation |
| Department | Dermatovenerology |
| Year | 4 |
| Semester – | 7 |
| Lectures – | 5 ac.h. |
| Exam – | Test 4 ac.h |
| Practical classes | 48 ac.h |
| Contact classes | 48 ac.h. |
| Self-study | 2 ac.h |
| Total workload | 114 ac.h |

The course (module) is devised according to FSES HE requirements approved on February,9, 2016 by Order of Ministry of Health, Russian Federation) and vocational functions of General Practitioner (primary care physician, district doctor) Professional Standard.

1. THE COURSE AIM AND SCOPE

«Dermatovenerology»

The aim of the practice is to become familiar with the general principles of diagnosis and treatment of the most common skin and STD, HIV infection.

- Organization of fight against contagious skin and STD in Russia;
- Labour expertise and rehabilitation of skin and veins patients;
- Work of polyclinic and stationary departments of dermatological clinic;
- Curating inpatient patients with subsequent preparation and protection of the medical history.

Practice tasks:

The objectives of the study of dermatovenerology are:

- information on the most common skin diseases and sexually transmitted diseases;
- mastering basic methods of clinical and laboratory examination of skin and venereal patients;

- acquisition of practical skills necessary for recognition of the most common skin diseases and sexually transmitted diseases;
- familiarity with preventive measures to prevent the spread of contagious skin and venereal diseases, including HIV infection;
- acquisition of necessary information on issues of labor expertise and rehabilitation in dermatovenerology

-

2. PLACE OF TRAINING DISCIPLINE IN THE STRUCTURE OF OP VO

The training discipline of dermatovenerology refers to the B1 block. B29 of the basic part of the higher education program in the direction "Medical work"; Studied in the seventh semester

3. COMPETENCES OF THE TRAINEE FORMED AS A RESULT OF LEARNING DISCIPLINE

As a result of the discipline, the learner must demonstrate the following educational results:

Know:

- Methods of health education

Etiology, pathogenesis and prevention of the most common diseases; Modern classification of diseases

- Methods of clinical, laboratory, instrumental examination of patients
- The basis for the organization of medical (outpatient-polyclinic and inpatient) care for various population groups, the principles of medical treatment of the population, rehabilitation of patients.

- Criteria for diagnosis of various diseases

Peculiarities of organization and scope of work of outpatient and polyclinic doctor, modern diagnostic capabilities of polyclinic service, methods of carrying out urgent measures, indications for planned hospitalization of patients

Types of disease inheritance and clinical manifestations of hereditary pathology, general characteristics of diseases with hereditary predisposition, general principles and features of diagnosis of hereditary diseases, congenital abnormalities

- Peculiarities of organization of work with HIV-infected patients
- Main clinical manifestations of skin diseases, HIV infection and STIs.

To be able:

- Plan, analyze and evaluate the quality of medical care, the state of health of the population and the influence of environmental and industrial factors on it
- Perform preventive, hygienic and anti-epidemic measures
- Determine the patient 's status: collect anamnesis, conduct an examination of the patient and/or his relatives, carry out a physical examination of the patient

(examination, palpation, auscultation, measurement of AD, determination of blood pulse properties, etc.).

- To assess the social factors affecting the patient 's physical and psychological health: cultural, ethnic, religious, individual, family, social risk factors (unemployment, violence, illness and death of relatives, etc.); to make a preliminary diagnosis - synthesize information about the patient in order to determine the pathology and causes that bind it.
- Define the scope of additional studies in accordance with the disease forecast, to clarify the diagnosis and obtain a reliable result
- Choose the individual type of assistance to treat the patient according to the situation: primary care, ambulance, hospitalization
- To formulate indications for the chosen method of treatment taking into account etiotropic and pathogenetic agents, to justify pharmacotherapy in a particular patient in case of basic pathological syndrome and urgent conditions, to determine the route of administration, regimen and dose of medicines, to assess the effectiveness and safety of the treatment carried out
- Use methods of primary and secondary prevention (on the basis of evidence-based medicine) in therapeutic activities, establish causal links of changes in the state of health from the impact of habitat factors
- Fill in the medical history, write a prescription.

To provide:

- Proper maintenance of medical records
- Methods of general clinical examination
- Interpretation of results of laboratory, instrumental diagnostic methods
- Algorithm of developed clinical diagnosis
- Pre-diagnosis algorithm followed by referral of the patient to the appropriate specialist physician
- Basic diagnostic and therapeutic measures for first aid in urgent and life-threatening conditions.

| Learning outcomes | Competency developed: a description of (compulsory) threshold level | Competency code |
|--|---|-----------------|
| 1 | 2 | 3 |
| General Professional Competencies (GCC) | | |
| A student knows: - Etiology, pathogenesis and preventive measures for the most | Readiness to communicate orally and in writing in Russian and | GCC -2 |

| | | |
|--|--|---------------|
| <p>common dermatovenerological diseases;</p> <ul style="list-style-type: none"> - Modern methods of clinical, laboratory and instrumental examination of patients; - Clinico-pharmacological characterization of the main drug groups and rational selection of specific drugs in the treatment of the main pathological disease syndrome in dermatology; <p>A student is able to:</p> <ul style="list-style-type: none"> - Carry out an initial survey; - Carry out preventive and hygienic measures; - Determine the route of administration, regimen and dose of drugs, assess the effectiveness and safety of the treatment; <p>A students uses / applies / provides:</p> <ul style="list-style-type: none"> - Proper maintenance of medical records; - Methods of examination of dermatovenerological patients; - An algorithm for selecting drug therapy and non-drug therapy for dermatological patients; | <p>foreign languages to solve problems of professional activity.</p> | |
| <p>A student knows:</p> <ul style="list-style-type: none"> - Etiology, pathogenesis and preventive measures for the most common dermatovenerological diseases; - Modern methods of clinical, laboratory and instrumental examination of patients; - Clinico-pharmacological characterization of the main drug groups and rational selection of specific drugs in the treatment of | <p>Readiness to communicate orally and in writing in Russian and foreign languages to solve problems of professional activity.</p> | <p>GCC -8</p> |

| | | |
|--|--|--------------|
| <p>the main pathological disease syndrome in dermatology;</p> <p>A student is able to:</p> <ul style="list-style-type: none"> - Carry out an initial survey; - Carry out preventive and hygienic measures; - Determine the route of administration, regimen and dose of drugs, assess the effectiveness and safety of the treatment; <p>A students provides:</p> <ul style="list-style-type: none"> - Proper maintenance of medical records; - Methods of examination of dermatovenerological patients; - An algorithm for selecting drug therapy and non-drug therapy for dermatological patients; | | |
| <p>A student knows:</p> <ul style="list-style-type: none"> - Etiology, pathogenesis and preventive measures for the most common dermatovenerological diseases; - Modern methods of clinical, laboratory and instrumental examination of patients; - Clinico-pharmacological characterization of the main drug groups and rational selection of specific drugs in the treatment of the main pathological disease syndrome in dermatology; <p>A student is able to:</p> <ul style="list-style-type: none"> - Carry out an initial survey; - Carry out preventive and hygienic measures; - Determine the route of administration, regimen and dose of | <p>Readiness to communicate orally and in writing in Russian and foreign languages to solve problems of professional activity.</p> | <p>GCC-9</p> |

| | | |
|---|---|-------------|
| <p>drugs, assess the effectiveness and safety of the treatment;</p> <p>A students provides:</p> <ul style="list-style-type: none"> - Proper maintenance of medical records; - Methods of examination of dermatovenerological patients; - An algorithm for selecting drug therapy and non-drug therapy for dermatological patients; | | |
| Professional competencies (PC) | | |
| <p>A student knows:</p> <ul style="list-style-type: none"> - Main clinical manifestations of skin diseases (scabies, pediculosis, dermatophytium, etc.). - Methods of treatment and indications for their use; Mechanism of therapeutic action of physiotherapy and contraindications to their performance; - Clinical and pharmacological characteristics of the main groups of drugs and rational selection of specific drugs in the treatment of the main pathological disease syndrome in dermatology. <p>A student is able to:</p> <ul style="list-style-type: none"> - Determine the patient 's status: collect the history, conduct an examination of the patient and/or his relatives, conduct a physical examination of the patient (examination, palpation) - Fill in the medical history. - Make a preliminary diagnosis. - Outline the scope of additional studies. - Formulate a clinical diagnosis; | <p>Readiness to collect and analyse complaints of the patient, data of his history, results of examination, laboratory and instrumental studies in order to recognize the condition or to establish the presence or absence of the disease.</p> | <p>PC-5</p> |

| | | |
|---|---|-------------|
| <ul style="list-style-type: none"> - Develop a plan of action, taking into account the course of the disease and its treatment; - Formulate indications for the chosen treatment method taking into account etiologic and pathogenetic agents; - Determine the route of administration, regimen and dose of drugs, assess the effectiveness and safety of the treatment; - Write a prescription. <p>A student provides:</p> <ul style="list-style-type: none"> - Methods of general clinical examination; - Interpretation of results of laboratory, instrumental diagnostic methods; - Proper maintenance of medical records; - A pre-diagnosis algorithm followed by referral of the patient to the appropriate specialist physician; - Algorithm of detailed clinical diagnosis; - Basic medical diagnostic measures; - - Algorithm of choice of drug therapy and non-drug therapy for dermatological patients | | |
| <p>A student knows:</p> <ul style="list-style-type: none"> - Etiology, pathogenesis and pathomorphology, clinical picture, differential diagnostics, course features, complications and outcomes of internal organ diseases <p>A student is able to:</p> <ul style="list-style-type: none"> - Carry out differential diagnostics of internal organ diseases from other diseases | <p>Ability to determine the patient's main pathological conditions, symptoms, disease syndrome, nosological forms according to the International Statistical Classification of Diseases and Health Related Problems X revision.</p> | <p>PC-6</p> |

| | | |
|---|--|-------------|
| <p>A students provides:</p> <ul style="list-style-type: none"> - Differential diagnosis with other diseases/conditions, including urgent ones - Diagnosis taking into account the current international statistical classification of diseases and health-related problems (ICD) | | |
| <p>A student knows:</p> <ul style="list-style-type: none"> - Modern methods of using medicines, medical products and therapeutic nutrition in case of diseases and conditions in the patient in accordance with the current medical care procedures, clinical recommendations (treatment protocols) on medical care, taking into account medical care standards - Mechanism of action of medicines, medical products and therapeutic nutrition, medical indications and contraindications to their use; Complications caused by their use <p>A student is able to:</p> <ul style="list-style-type: none"> - Draw up a plan for the treatment of the disease and the condition of the patient, taking into account the diagnosis, age of the patient, the clinical picture of the disease in accordance with the current medical care procedures, clinical recommendations (protocols of treatment) on the provision of medical care, taking into account the standards of medical care - Provide medicines, medical products and therapeutic nutrition taking into account the diagnosis, | <p>Ability to determine the tactics of managing patients with different nosological forms.</p> | <p>PC-8</p> |

| | | |
|--|--|--|
| <p>age and clinical picture of the disease in accordance with the current medical care procedures, clinical recommendations (treatment protocols) on medical care, taking into account medical care standards</p> <ul style="list-style-type: none">- Evaluate the effectiveness and safety of the use of medicines, medical products and therapeutic nutrition <p>A students provides:</p> <ul style="list-style-type: none">- Development of a plan for the treatment of a disease or condition taking into account diagnosis, age and clinical picture in accordance with the current medical care procedures, clinical recommendations (treatment protocols) for the provision of medical care taking into account medical care standards- Administration of medicines, medical products and therapeutic nutrition, taking into account the diagnosis, age and clinical picture of the disease and in accordance with the current medical care procedures, clinical recommendations (treatment protocols) on medical care, taking into account medical care standards- Assignment of non-medical treatment taking into account diagnosis, age and clinical picture of the disease in accordance with current medical care procedures, clinical recommendations (treatment protocols) on medical | | |
|--|--|--|

| | | |
|--|--|-------------|
| <p>care issues taking into account medical care standards</p> <ul style="list-style-type: none"> - Evaluation of effectiveness and safety of use of medicines, medical products, therapeutic nutrition and other methods of treatment | | |
| <p>A student knows:</p> <ul style="list-style-type: none"> - Main clinical manifestations of skin diseases (scabies, pediculosis, dermatophytium, etc.). - Methods of treatment and indications for their use; - Mechanism of therapeutic action of physiotherapy and contraindications to their performance; - Clinical and pharmacological characteristics of the main groups of drugs and rational selection of specific drugs in the treatment of the main pathological disease syndrome in dermatology. <p>A student is able to:</p> <ul style="list-style-type: none"> - Determine the patient 's status: collect the history, conduct an examination of the patient and/or his relatives, conduct a physical examination of the patient (examination, palpation) - Fill in the medical history. - Make a preliminary diagnosis. - Outline the scope of additional studies. - Formulate a clinical diagnosis; - Develop a plan of action, taking into account the course of the disease and its treatment; - Formulate indications for the chosen treatment method taking | <p>Readiness to manage and treat patients with various nosological forms in outpatient and day-care settings</p> | <p>PC-9</p> |

| | |
|--|--|
| <p>into account etiologic and pathogenetic agents;</p> <ul style="list-style-type: none"> - Determine the route of administration, regimen and dose of drugs, assess the effectiveness and safety of the treatment; - Write a prescription. <p>A student provides:</p> <ul style="list-style-type: none"> - Methods of general clinical examination; - Interpretation of results of laboratory, instrumental diagnostic methods; - Proper maintenance of medical records; - A pre-diagnosis algorithm followed by referral of the patient to the appropriate specialist physician; - Algorithm of detailed clinical diagnosis; - Basic medical diagnostic measures; - Algorithm of choice of drug therapy and non-drug therapy for dermatological patients | |
|--|--|

4. STRUCTURE AND CONTENT OF THE TRAINING DISCIPLINE

4.1 The total workload is 3 credit units (108 hours).

| № п/п | Part (Module) | Semester | week of the semester | Study forms (including self- study and workload in ac.h.) | | | Formative assessment Summative assessment |
|----------|------------------------|----------|-------------------------|--|--------------|----------------|--|
| | | | | Lec tur es | Pract ice | Self- study | |
| 1. | General dermatology | 7 | | 2 | 4 | - | Q T C A |

| | | | | | | | |
|----|--------------------------------|----------|--|-----------|-----------|----------|---------|
| 2. | Noninfectious diseases of skin | 7 | | 4 | 16 | 4 | Q T C A |
| 3. | Infectious diseases of skin | 7 | | 2 | 8 | - | Q T C A |
| 4. | Venereology. STD | 7 | | 2 | 20 | - | Q T C A |
| 5. | Exam | 4 | | | | | Test |
| | In total | 4 | | 10 | 48 | 4 | |

Q - Questions , T –Test , C – Cases, A – Algorhythms of performance

Head of «Dermatovenerology» department  L.A. Novikova