

**MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE RUSSIAN FEDERATION,
MINISTRY
OF HIGHER EDUCATION AND INNOVATION OF THE KYRGYZ
REPUBLIC**

Kyrgyz-Russian Slavic University
named after the first President of the Russian Federation B.N. Yeltsin



Endocrinology

Abstract of the discipline (module)

Assigned to the department **Therapies No1 (Pediatrics and Dentistry)**

Curriculum 31050150_21_34 ld in.plx
Specialty 31.05.01. - Russian Federation, 560001 - Kyrgyz Republic General Medicine
(for international students)

Qualification **Medical Doctor**

Form of study **Full-time**

Distribution of hours of the discipline by semesters

| Semester (<Course>.<Semester >) | 7 (4.1) | | Total | |
|---|---------|------|-------|------|
| | UP | RP | UP | RP |
| Weeks | 16 | | | |
| Type of classes | UP | RP | UP | RP |
| Lecture | 16 | 16 | 16 | 16 |
| Practical | 32 | 32 | 32 | 32 |
| Contact work during the period of theoretical | 0,3 | 0,3 | 0,3 | 0,3 |
| Including int. | 3 | | 3 | |
| Total room. | 48 | 48 | 48 | 48 |
| Contact work | 48,3 | 48,3 | 48,3 | 48,3 |
| Himself. work | 23,7 | 23,7 | 23,7 | 23,7 |
| Total | 72 | 72 | 72 | 72 |

1. OBJECTIVES OF MASTERING THE DISCIPLINE

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| 1.1 | The purpose of the discipline is to form students' fundamental knowledge, skills and abilities in the specialty of endocrinology. |
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2. THE PLACE OF THE DISCIPLINE IN THE STRUCTURE OF THE EDUCATIONAL PROGRAM

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| Cycle (section) of the PLO: | B1.O |
| 2.1 | Requirements for the preliminary training of the student: |
| 2.1.1 | Normal physiology |
| 2.1.2 | Pathological anatomy |
| 2.1.3 | Biology |
| 2.1.4 | Pharmacology |
| 2.1.5 | Pathophysiology, clinical pathophysiology |
| 2.1.6 | Chemistry |
| 2.1.7 | Propaedeutics of Internal Diseases |
| 2.2 | Disciplines and practices for which the development of this discipline (module) is necessary as a previous: |
| 2.2.1 | Occupational diseases |
| 2.2.2 | Family Medicine |
| 2.2.3 | Faculty Therapy |
| 2.2.4 | Hospital Therapy |
| 2.2.5 | Outpatient therapy with a course of gerontology |
| 2.2.6 | Gynecology |
| 2.2.7 | Clinical Pharmacology |
| 2.2.8 | Epidemiology |

3. COMPETENCIES OF THE STUDENT FORMED AS A RESULT OF MASTERING THE DISCIPLINE (MODULE)

OPK-5: Able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems

To know:

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| Level 1 | Basic morphofunctional, physiological states and pathological processes in the human body ; |
| Level 2 | - Specifics of the main morphofunctional, physiological states, pathological processes of the human body in comparison; |
| Level 3 | - The main ways of differentiation and conclusion based on the results of the assessment of morpho-functional, physiological processes and pathological conditions of the patient. |

Can:

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| Level 1 | - To reveal the meaning of the main morphofunctional, physiological states and pathological processes in the human body; |
| Level 2 | - To compare various morphofunctional, physiological conditions and pathological processes of the human body |
| Level 3 | - To note the practical value of specific morphofunctional, physiological processes and pathological states of the human body. |

Possess:

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| Level 1 | - Skills in determining the main morphofunctional, physiological states and pathological processes in the human body; |
| Level 2 | - Methods of searching and comparing various morphofunctional, physiological states and pathological processes of the human body; |
| Level 3 | - Skills of assessment, differentiation of the main morphofunctional, physiological and pathological states of the human body and one's own justification |

OPK-7: Able to prescribe treatment and monitor its efficacy and safety

To know:

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| Level 1 | - Etiology, pathogenesis, clinical presentation of the main diseases with various nosological forms, methods of management and treatment of patients on an outpatient basis and in a day hospital; |
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Can:

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| Level 1 | - To compare various types and methods of treatment of patients with different nosological forms, to develop a plan for the treatment of diseases; |
| Level 2 | - Manage and treat patients on an outpatient basis and in a day hospital; |

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| Level 3 | - Monitor the effectiveness and safety of the prescribed treatment at all stages of its implementation. |
| Possess: | |
| Level 1 | - Skills in analyzing various types of treatment of patients with different nosological forms; |
| Level 2 | - Skills in managing and treating patients with various diseases on an outpatient basis and in a day hospital. |

PC-4: Ready to collect and analyze the patient's complaints, medical history, examination results, laboratory, instrumental, pathoanatomical and other studies in order to recognize the condition or establish the presence or absence of the disease

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| To know: | |
| Level 1 | - methods and means of collecting and analyzing the patient's complaints, his/her medical history, indications and contraindications for additional clinical and paraclinical research methods; |
| Level 2 | - the need to collect and analyze the patient's complaints, his medical history; |
| Level 3 | - etiopathogenesis, clinical picture and diagnosis of the main diseases; |
| Level 4 | - indications and contraindications for the choice of additional clinical and paraclinical methods of research; |
| Can: | |
| Level 1 | - collect and analyze the patient's complaints, his medical history. |
| Level 2 | - to prescribe laboratory, instrumental, pathological and other examinations in order to recognize the condition or establish the fact of the presence or absence of the disease. |
| Level 3 | - to conduct a survey, collect complaints and anamnesis from the patient; |
| Level 4 | - to draw up a model of pedigree for families with hereditary diseases; |
| Level 5 | - Conduct a study of the clinical status; |
| Level 6 | - to determine indications and contraindications for the choice of additional clinical and paraclinical methods of research; |
| Possess: | |
| Level 1 | - skills in collecting and analyzing the patient's complaints, data of his anamnesis, interpreting the results of the most common methods of functional diagnostics used to identify pathologies of the blood, heart and blood vessels, lungs, kidneys, liver and other organs and systems; |
| Level 2 | - the skills of drawing up a medical history, the skills of prescribing the necessary laboratory and instrumental methods of examination in order to recognize the condition or establish the fact of the presence or absence of the disease; |
| Level 3 | - skills of examining patients, carrying out the necessary diagnostic measures; |
| Level 4 | - skills in building a clinical diagnosis. |

PC-5: Capable of determining the main pathological conditions, symptoms, disease syndromes, nosological forms in patients in accordance with the International Statistical Classification of Diseases and Related Health Problems, X revision.

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| To know: | |
| Level 1 | - Methods of conducting research to identify the main pathological conditions, symptoms, disease syndromes, nosological forms. |
| Level 2 | - Specifics of identifying various types of pathological conditions, symptoms, disease syndromes, nosological forms in accordance with the ICD X revision. |
| Level 3 | - The main syndromes of damage to organs and systems and their specificity in the differential diagnosis of various nosological forms in accordance with the ICD X revision. |
| Can: | |
| Level 1 | - To comprehend the results of the study of the main nosological forms of diseases; |
| Level 2 | - Analyze various types of pathological conditions, symptoms, disease syndromes, nosological forms in accordance with the ICD. |
| Level 3 | - To note the practical value in comparing specific pathological syndromes, symptoms of diseases |
| Possess: | |
| Level 1 | - Skills in identifying the main pathological conditions, symptoms, disease syndromes. |
| Level 2 | - Methods of searching, identifying and systematizing the main pathological conditions, symptoms of disease syndromes, nosological forms in accordance with the ICD X revision. |
| Level 3 | - Skills of own substantiation of combining various symptoms and syndromes into nosological ones |

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| | forms in accordance with (ICD X revision). |
| PC-7: Able to determine the tactics of management of patients with various nosological forms | |
| To know: | |
| Level 1 | - Etiology, pathogenesis, clinical presentation of diseases. |
| Level 2 | - the main directions and problems in the management of patients with various diseases |
| Can: | |
| Level 1 | - To reveal the meaning of determining the tactics of managing patients with various diseases. |
| Level 2 | - To compare different types and methods of treatment of patients with different nosological forms, to develop a treatment plan for diseases. |
| Level 3 | - To note the practical value of individual tactics for the management of patients with various nosological forms |
| Possess: | |
| Level 1 | - Skills in presenting and analyzing the etiology, pathogenesis of various clinical diseases to make a diagnosis. |
| Level 2 | - Methods of searching for and comparing different methods of treatment of patients with different nosological forms. |
| Level 3 | - Possess the skills of determining the tactics of managing patients with diseases |
| PC-8: Ready for the management and treatment of patients with various nosological forms on an outpatient and day hospital basis | |
| To know: | |
| Level 1 | - Etiology, pathogenesis, clinical presentation of the main diseases with various nosological forms. |
| Level 2 | - Main types and methods of treatment of patients with various nosological forms. |
| Level 3 | - Methods of management and treatment of patients with various nosological forms on an outpatient basis and in a day hospital. |
| Can: | |
| Level 1 | - Correctly identify this disease. |
| Level 2 | - To compare different types and methods of treatment of patients with different nosological forms, to develop a treatment plan for diseases. |
| Level 3 | - Manage and treat patients on an outpatient basis and in a day hospital. |
| Possess: | |
| Level 1 | - Skills in analyzing various types of treatment of patients with different nosological forms. |
| Level 2 | - Methods of searching for and comparing different methods of treatment of patients with different nosological forms. |
| Level 3 | - Skills in managing and treating patients with various diseases on an outpatient basis and in a day hospital. |
| PC-9: Ready to provide primary health care for sudden acute diseases, conditions, exacerbation of chronic diseases that are not accompanied by a threat to the patient's life and do not require emergency medical care | |
| To know: | |
| Level 1 | - Clinical manifestations of acute and chronic diseases. |
| Level 2 | - Methods of treatment and medical manipulations for pathological conditions and diseases. |
| Level 3 | - General principles of treatment. |
| Level 4 | - Diseases, taking into account their etiology and pathogenesis; |
| Level 5 | - Knowledge of pharmacological groups and their interaction with each other. |
| Can: | |
| Level 1 | - Link symptoms, examination data and indicators of laboratory and instrumental examination methods into a single whole and make the correct diagnosis. |
| Level 2 | - Prepare the patient, tools and medicines for the necessary manipulation. |
| Level 3 | - Assess the stage of the disease and prescribe therapy appropriate to the stage of the disease |
| Possess: | |
| Level 1 | Skills to identify signs of an acute disease or exacerbation of a chronic disease. |
| Level 2 | - Skills and methods of providing medical care for acute and chronic diseases. |
| Level 3 | - Skills of etiological and pathogenetic therapy in the treatment of diseases depending on the severity of the disease on an outpatient basis. |

| PC-11: Ready to participate in the provision of emergency medical care for conditions requiring urgent medical intervention | |
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| To know: | |
| Level 1 | – algorithm of emergency medical care; basic medical diagnostic and therapeutic measures to provide first aid in emergency conditions requiring urgent medical intervention |
| Can: | |
| Level 1 | – to select an individual type of care for the treatment of the patient in accordance with the situation: first aid, ambulance, hospitalization. |
| Possess: | |
| Level 1 | - a set of resuscitation measures for acute respiratory and circulatory disorders, in clinical death; to know modern methods of resuscitation and intensive care when providing assistance to patients and victims in critical conditions of various etiologies. |

| PC-14: Capable of maintaining medical records. | |
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| To know: | |
| Level 1 | - List and characteristics of accounting and reporting medical documentation in medical organizations of a medical profile; |
| Level 2 | - Regulatory documentation adopted in healthcare, as well as documentation for assessing the quality and efficiency of medical organizations. |
| Can: | |
| Level 1 | - To compare various types and methods of treatment of patients with different nosological forms, to develop a plan for the treatment of diseases; |
| Level 2 | - Manage and treat patients on an outpatient basis and in a day hospital; |
| Level 3 | - Monitor the effectiveness and safety of the prescribed treatment at all stages of its implementation. |
| Possess: | |
| Level 1 | - Work skills and methods of accounting |
| Level 2 | - reporting documentation of various types in medical institutions; |
| Level 3 | - Skills of comparative characterization of medical documentation of various nature in medical institutions |

As a result of mastering the discipline, the student must

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| 3.1 | To know: |
| <p>Medical documentation in endocrinology organizations. Pathological symptoms and syndromes in the most common endocrine diseases etiology, pathogenesis and classification of the most common forms of endocrine diseases. Clinical picture, diagnostic criteria and complications of diseases of the endocrine system. Modern methods of clinical, laboratory, instrumental examination of patients with endocrine pathology. The main groups of drugs used to treat endocrine diseases. Modern principles of treatment of diseases of the endocrine system within the framework of the nosological forms under consideration Features of emergency care for endocrine diseases. Basic principles of prevention of typical forms of endocrine diseases</p> | |
| 3.2 | Can: |
| <p>use educational, scientific literature, the Internet for professional activities be able to work with medical documentation, fill out medical histories, write prescriptions conduct an interview, physical examination of the patient, assess his condition, examine the organs of the endocrine system identify the main pathological symptoms and syndromes of endocrine diseases draw up a plan of laboratory and instrumental methods of examining patients to confirm the suspected diagnosis, interpret their results. to determine the algorithm for diagnosing an endocrine disease, taking into account ICD-10, to formulate a detailed clinical diagnosis develop a treatment plan taking into account the course of the disease, select and prescribe drug and non-drug therapy Identify urgent and life-threatening conditions and provide emergency medical care for diseases of endocrine genesis To use methods of primary and secondary prevention of endocrine diseases based on evidence-based medicine in medical activities</p> | |

3.3 Possess:

the skills of maintaining medical records, the technique of drawing up a medical history.

Algorithm of general clinical examination of a patient with endocrine pathology;

Algorithm of laboratory and instrumental examination in case of suspected endocrine pathology,

interpretation of the results obtained during the study;

Skills in making a preliminary diagnosis with the formation of an examination plan

- Skills in formulating a clinical diagnosis of patients with diseases of the endocrine glands, proceeding in a typical form;

Skills in the management and treatment of patients with endocrine pathology and assessment of the effectiveness of treatment results.

Methods of emergency care for endocrine diseases.

- Skills in planning measures for the prevention and treatment of the most common endocrine diseases;