

PRIVATE HIGHER EDUCATIONAL INSTITUTION
"INTERNATIONAL ACADEMY OF ECOLOGY AND MEDICINE"
Department of Social Medicine and Preventive Medicine

SYLLABUS
EDUCATIONAL DISCIPLINE

"Endocrinology"

LEVEL OF HIGHER EDUCATION Second (master's) level

DEGREE OF HIGHER EDUCATION Master

FIELD OF KNOWLEDGE 22 Healthcare

SPECIALTY 221 Dentistry

Considered and approved
at a meeting of the Department of Internal
Medicine with a course in endocrinology Doctor of
Medical Sciences, Postrelko Valentin
Protocol № 1 from "09" IX 2020

Kyiv 2020

1. general information

Subjects	Endocrinology
Teacher (s)	Candidate of Medicine Science Mykhailenko Olena
Teacher's contact phone number	
Teacher's e-mail	maemendocrinology@gmail.com
Discipline format	Normative discipline
The scope of discipline	30
Link to the distance learning site	
Consultations	Not on the program

2. Discipline abstract

The subject of study of discipline is prevention, diagnosis and treatment of diseases in the clinic of internal medicine. Rearriables based on the study of students of medical biology, medical and biological physics (studying the simplest types of physiotherapy), human anatomy (palpation of pulse, definition of blood pressure, points of temporary suspension of bleeding), physiology (development of the administration of the day of patients in inpatient treatment, determining the living room Functions, interconnection of the sympathetic and parasympathetic nervous system), bioorganic and biological chemistry, microbiology, virology and immunology (data collection for the detail of complaints and structural elements of the history of the disease). Pursments of the course: medical biology and biological physics, anatomy and pathological anatomy of man, physiology and pathological physiology of man, pharmacology, microbiology, virology and immunology, internal illnesses, general practice and family medicine.

3. The purpose and objectives of the discipline

The purpose of studying the discipline "Endocrinology":

The subject of study of discipline is prevention, diagnosis and treatment of diseases in the clinic of internal medicine. Rearriables based on the study of students of medical biology, medical and biological physics (studying the simplest types of physiotherapy), human anatomy (palpation of pulse, definition of blood pressure, points of temporary suspension of bleeding), physiology (development of the administration of the day of patients in inpatient treatment, determining the living room Functions, interconnection of the sympathetic and parasympathetic nervous system), bioorganic and biological chemistry, microbiology, virology and immunology (data collection for the detail of complaints and structural elements of the history of the disease). Pursments of the course: medical biology and biological physics, anatomy and pathological anatomy of man, physiology and pathological physiology of man, pharmacology, microbiology, virology and immunology, internal illnesses, general practice and family medicine.

The objectives of styding the discipline "Endocrinology ":

- to conduct a survey and clinical examination of patients with basic diseases of the endocrine system, blood and hematopoietic organs and analyze their results;
- to determine the etiological and pathogenetic factors of the most common diseases of the endocrine system, blood and hematopoietic organs;
- to analyze a typical clinical picture, to identify clinical variants and complications of the most common diseases of the endocrine system, blood and hematopoietic organs; - to establish a preliminary diagnosis of the most common diseases of the endocrine system, blood and hematopoietic organs;
- to prescribe laboratory and instrumental examination of patients with the most common diseases of the endocrine system, blood and hematopoietic organs and their complications;
- based on the evaluation of the results of the laboratory and instrumental examination, conduct a differential diagnosis, to substantiate and establish a clinical diagnosis of the most common diseases of the endocrine system, blood and hematopoietic organs; - to determine the necessary mode of labor and recreation in the treatment of the most common diseases of the endocrine system, blood and hematopoietic organs;
- to determine the necessary medical nutrition in the treatment of the most common diseases of the endocrine system, blood and hematopoietic organs;
- to determine the principles and nature of treatment in the treatment of the most common diseases;
- to prescribe treatment, including forecast-modifying, most common diseases of the endocrine system, blood and hematopoietic organs and their complications;
- to determine the tactics of granting emergency medical assistance based on the diagnosis of an urgent state;
- to provide emergency medical assistance based on the diagnosis of an urgent state;
- to conduct primary and secondary prophylaxis of the most common diseases of the endocrine system, blood and hematopoietic organs;
- evaluate the forecast and performance of patients with the most common diseases; - perform medical manipulation;
- to conduct medical documentation;
- To comply with the requirements of ethics, bioethics and deontology in their professional activity/

4. Learning outcomes (competencies)

As a result of studying the discipline "Endocrinology"

KNOW:

- structure, physiology and pathophysiology glands of internal secretion, their relationships with other organs and systems of the organism;
- Causes of pathological processes in the glands of internal secretion, mechanism of their development and clinical manifestations;
- Influence of industrial factors and environmental factors (radiation, iodine deficiency, nutrition, etc.) on the function of endocrine glands; • Methods of studying the patient's endocrinological status: an assessment of sexual development, palpation of

the thyroid gland, assessment of growth in children, assessment of the degree of hirsutism;
 • physiology and pathophysiology of carbohydrate, fat, protein exchanges; • bases of water-electrolyte metabolism and acid-alkaline state of blood, possible types of their violations and principles of treatment; • General and special research methods in endocrinology; • Fundamentals of ultrasound use, X-ray radiology, densitometry and ophthalmoscopy for examination and treatment of endocrine patients

BE ABLE TO:

- conduct professional activity in social interaction based on humanistic and ethical principles;
- adhere to the norms of sanitary and hygienic regime and safety requirements in carrying out professional activities;
- argue information to make decisions, be liable for them in standard and non-standard professional situations; to adhere to the principles of deontology and ethics in professional activity;
- to carry out professional communication with modern Ukrainian language, use abnormal communication skills in a foreign language, analyzing the texts of professional direction and translate foreign information sources;
- Analyze information received as a result of scientific research, generalize, systematize and use it in professional activity

5. Organization of the study of the discipline

The volume of the course

Type of lesson	Total number of hours	30
Lectures		4
Seminars		18
Independent work		8

Signs of the course

Semester	Specialty	Course (year of study)	Normative / selective
7	221 Dentistry	4	Normative

Course topics

Theme, plan	Form of employment	literature	Tasks, hours	Estimation weight	Deadline
Topic 1. Diabetes. Etiology, pathogenesis, classification, diagnostics, complications. Principles of treatment. Changes to the tooth-maxillary system and manifestations on mucous membranes. The role of a dentist doctor in prevention and early diagnosis.	Lecture	Basic, auxiliary - in accordance with paragraph 8	2 hours	2	According to the schedule
Topic 2. Diseases of thyroid and pinching glands. Etiology, pathogenesis, clinic, diagnostics, complications, principles of treatment. The role of a doctors in prevention and early diagnosis.	Lecture	Basic, auxiliary - in accordance with paragraph 8	2 hours	2	According to the schedule
Topic 3. Diabetes. Modern classification. Etiology, pathogenesis, clinic. National Program "Sugar Diabetes".	practical	Basic, auxiliary - in accordance with paragraph 8	2 hours	2.25	According to the schedule
Topic 4. Sugar diabetes2 type. Clinic, diagnostics, principles of treatment	practical	Basic, auxiliary - in accordance with paragraph 8	2 hours	2.25	According to the schedule
Topic 5. Chronic complications of diabetes mellitus. Urgent conditions for diabetes.	practical	Basic, auxiliary - in accordance with paragraph 8	2 hours	2.25	According to the schedule
Topic 6. Diseases of the thyroid gland. Hypothyroidism. Etiology, pathogenesis, clinic, diagnostics and principles of treatment. The role of a dentist in prevention.	practical	Basic, auxiliary - in accordance with paragraph 8	4 hours	2.25	According to the schedule
Topic 7. Diseases of the thyroid gland. Hyperthyroidism. Etiology, pathogenesis, clinic, diagnostics and principles of treatment. The role of a dentist in prevention.	practical	Basic, auxiliary - in accordance with paragraph 8	2 hours	2.25	According to the schedule
Topic 8. Diseases of pinching glands. Etiology, pathogenesis, clinic, diagnostics and principles of treatment. The role of a dentist in prevention.	practical	Basic, auxiliary - in accordance with paragraph 8	2 hours	2.25	According to the schedule

Topic 9. Diseases of adrenal glands. Etiology, pathogenesis, clinic, diagnostics and principles of treatment. The role of a dentist in prevention	practical	Basic, auxiliary - in accordance with paragraph 8	2 hours	2.25	According to the schedule
Topic 10. Hypophysical disease. Etiology, pathogenesis. Clinic, diagnostics and principles of treatment.	practical	Basic, auxiliary - in accordance with paragraph 8	2 hours	2.25	According to the schedule
Independent work Komatous states in diabetes mellitus. Emergency aid. Endemic goiter. Etiology. Clinic. Diagnostics. Disease Addison. Reasons. Diagnostics. Adrenal comma. Emergency aid. Writing an illness history	independent	Basic, auxiliary - in accordance with paragraph 8	8 hours	1	According to the schedule

6. Course evaluation system

General course evaluation system

Current control is based on the control of theoretical knowledge, skills and abilities in practical classes. The student's independent work is assessed in practical classes and is part of the final assessment of the student. Current control is carried out during classes and aims to verify the assimilation of students' learning material. Forms of current control are:

- a) test tasks with the choice of one correct answer, with the definition of the correct sequence of actions, with the definition of compliance;
- b) individual oral examination, interview;
- c) solving typical situational problems;
- d) control of practical skills;
- e) solving typical tasks of diagnosis, medical care, medical evacuation, treatment and prevention.

Grades in the national scale ("excellent" - 5, "good" - 4, "satisfactory" - 3, "unsatisfactory" - 2), received by students, are displayed in the journals of attendance and academic group performance.

Final control of learning success is carried out in the form of diff. credit (oral and test tasks).

The maximum number of points that a student can score for current educational activities for admission to the PC is 120 points.

The minimum number of points that a student must score for the current academic activity for admission to the exam is 72 points. The calculation of the number of points is based on the grades obtained by the student on the traditional (national) scale during the study of the discipline during the semester, by calculating the arithmetic mean (CA), rounded to two decimal places.

Assessment of students' independent work. Students' independent work, which is provided by the topic of the lesson along with the classroom work, is assessed during the current control of the topic in the relevant lesson. Assimilation of topics that are submitted only for independent work is checked during the final module control.

Table 1. Conversion of the average grade for current activities in a multi-point scale (for disciplines that end with an exam (differentiated credit))

4-point scale	120-point scale	4-point scale	120-point scale	4-point scale	120-point scale	4-6point scale	120-point scale
5	120	4,45	107	3,91	94	3,37	81
4,95	119	4,41	106	3,87	93	3,33	80
4,91	118	4,37	105	3,83	92	3,29	79
4,87	117	4,33	104	3,79	91	3,25	78
4,83	116	4,29	103	3,74	90	3,2	77
4,79	115	4,25	102	3,7	89	3,16	76
4,75	114	4,2	101	3,66	88	3,12	75
4,7	113	4,16	100	3,62	87	3,08	74
4,66	112	4,12	99	3,58	86	3,04	73
4,62	111	4,08	98	3,54	85	3	72
4,58	110	4,04	97	3,49	84	Less 3	Not enough
4,54	109	3,99	96	3,45	83		
4,5	108	3,95	95	3,41	82		

The maximum number of points that a student can score during the final control of the student's acquisition of knowledge is 80 points.

Table 2. Scale of assessment of differentiated (exam) credit:

National scale	Score scale
«5»	70-80
«4»	60-69
«3»	50-59

Assessment of the final control is

considered credited if the student scored at least 60% of the maximum amount of points (for a 200-point scale - at least 50 points).

The final number of points that the student scored in the discipline is defined as the sum of points for the current educational activity (Table 1) and for the final control (differentiated credit) (Table 2).

Requirements for final test control	<p>The final test control is credited to the student if he demonstrates the possession of practical skills and scored at least 50 points in the test control of theoretical training.</p> <p>The maximum number of points for the final control of the student (differential test) - 80 points.</p> <p>Criteria for assessing students for final control are carried out according to the scheme:</p> <p>"2" - 0-49 points; "3" - 50-60 points; "4" - 61-70 points</p>
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