THEMATIC SCHEDULE OF LECTURES
"ENDOCRINOLOGY"
for 4th year students
training of specialists of the second (master's) level of higher education
Field of Study 22 "Healthcare"
specialties 222 "Medicine"
during the spring term of 2023 – 2024 academic year

No	1-2 groups	**Topics and contents of lectures**	**Number of hours**
1.	08.02.	Diabetes Mellitus. Classification, etiology, pathogenesis, clinical pictures, diagnosing. Chronic complications. Modern method of treatment of diabetes mellitus. Oral drug therapy, Insulin preparations and analogue.	2
2.	22.02	Thyroid goiter pathologies. Diagnosing, differential diagnosing, prophylaxis and treatment.	2
3.	07.03	Adrenal disorders. Addison's disease. Hormone-active tumors. Hypothalamic-pituitary disorders. Clinical picture, diagnosing, treatment.	2
Totally			**6**

Lectures are given by associate professor Kozlovska Kh.Yu.

In charge of academic work, associate professor Safonova O.V.

THEMATIC SCHEDULE OF PRACTICAL STUDIES
"ENDOCRINOLOGY"
for 4th year students
training of specialists of the second (master's) level of higher education
Field of Study 22 "Healthcare"
specialties 222 "Medicine"
during the spring term of 2023 – 2024 academic year

No	Dates	The topic	Number of hours
1.	29.01-02.02	Diabetes Mellitus: classification, etiology, pathogenesis.	2
2.	05.02-09.02	Diabetes Mellitus: clinic, diagnosis.	2
3.	12.02-16.02	Diabetes mellitus type 1, modern methods of treatment.	2
4.	19.02-23.02	Diabetes mellitus type 2, modern methods of treatment.	2
5.	26.02-01.03	Chronic complications of diabetes. Diabetic emergencies.	2
6.	04.03-08.03	Features of the course and treatment of diabetes in surgical patients, and during pregnancy.	2
7.	11.03-15.03	Iodine deficiency. Signs of endemic regions (iodine-poor areas). Hypothyroidism and thyroiditis: etiology, classification, manifestation, diagnosis, treatment.	2
8.	18.03-22.03	Hyperthyroidism: causes, diagnosis, clinical pictures, classification, etiology, manifestation, complications, diagnosis, treatment. Thyroid tumors. Hyperparathyroidism, hypoparathyroidism: clinical picture, diagnosis, treatment.	2
9.	25.03-29.03	Diseases of the adrenal glands. Chronic and acute adrenal insufficiency. Etiology, pathogenesis, clinic, diagnosis, prevention and treatment.	2
10.	01.04-05.04	Hormonal-active tumors of the adrenal glands.	2
11.	08.04-12.04	Hypothalamic-pituitary disorders. Obesity.	2
12.	15.04-19.04	Disorders of the sex glands.	2
Totally			**24**

THEMATIC SCHEDULEOF INDIVIDUAL WORK
"ENDOCRINOLOGY"
for 4th year students
training of specialists of the second (master's) level of higher education
Field of Study 22 "Healthcare"
specialties 222 "Medicine"
during the spring term of 2023 – 2024 academic year

No	Dates	The topics	Number of hours
1.	29.01 - 02.02	Preparing for the practical classes on the topic 1 “Diabetes Mellitus: classification, etiology, pathogenesis.”	2
2.	05.02 - 09.02	Preparing for the practical classes on the topic 2 “Diabetes Mellitus: early diagnosis, clinical picture”. Acquiring the skills to analyze data of laboratory research methods (glucose tolerance test, glycemic profile, C-peptide, HbA1c, total cholesterol, triglycerides)	2
3.	12.02 - 16.02	Preparing for the practical classes on the topic 3 “Diabetes Mellitus, type 1, modern method of treatment”Acquiringthe skills to analyze data of laboratory research methods(glycemic profile,HbA1c, prescribe prescription for the main hypoglycemic agents)	2
4.	19.02 - 23.02	Preparing for the practical classes on the topic 4 “Diabetes Mellitus, type 2, modern method of treatment” Acquiring the skills to analyze data of laboratory research methods (glycemic profile, HbA1c, prescribe prescription for the main hypoglycemic agents)	2
5.	26.02 - 01.03	Preparing for the practical classes on the topic 5 “Chronic and acute complications of diabetes. Acquiring the skills of providing medical care to patientswithketoacidosis, diabetic and hypoglycemiccoma.	2
6.	04.03 - 08.03	Preparing for the practical classes on the topic 6 “Features of the course and treatment of diabetes in surgical patients, during pregnancy”.Acquiring the skills of providing medical care to pregnant women and patients with surgical pathology.	2
7.	11.03 - 15.03	Preparing for the practical classes on the topic 7 “Iodine deficiency. Insight of endemic regions (iodine-poor areas). Hypothyroidism and thyroiditis: etiology, classification, manifestations, diagnosis, treatment. Acquiring the skills of interpreting the date of hormonal examination of thyroid glandby Doppler method; to explain data of ECG results and reflexes to characterise thyroid function (TSH, T3, T4, calcitonin, antibodies for thyroperoxidase and thyroglobulin, thyroglobulin).	2
8.	18.03 - 22.03	Preparing for the practical classes on the topic 8 “Hyperthyroidism: causes, diagnosis, clinical pictures. classification, etiology, manifestation, complication, diagnosis, treatment. Thyroid malignancies. Hyperparathyroidism, hypoparathyroidism” Learning to determine the degree of the goiter; acquiring skills of interpretation in ultrasound examination of thyroid gland by Doppler method; to explain data of ECG results and reflexes to characterise thyroid function (TSH, T3, T4, calcitonin, antibodies for thyroperoxidase and thyroglobulin, TSH-receptor, thyroglobulin).	2

9.	25.03 - 29.03	Preparing for the practical classes on the topic 9 “Adrenal Disorders. Chronic adrenal failure: etiology, pathogenesis, clinical picture, diagnosis, prophylaxis, treatment”. Tointerpretlaboratorydata,ultrasonography,arteriography,computedtomographyscan(CT-scan),magneticresonanceimaging(MR-imaging)of adrenal glands (ACTH, cortisol, aldosterone, renin, blood electrolytes).	2
10.	01.04 - 05.04	Preparing for the practical classes on the topic 10 “ Hormone-active adrenal tumors”. To interpret laboratory data, ultrasonography, arteriography, computed tomography scan (CT-scan), magnetic resonance imaging (MR-imaging) of adrenal glands (ACTH, cortisol, aldosterone, renin, blood electrolytes).	2
11.	08.04 - 12.04	Preparing for the practical classes on the topic 11 “Hypothalamic-pituitary dysfunction. Obesity. “ Acquiring skills to determine degree of obesity by BMI. Acquiring skills of interpretation of hormonal examination data (STG, IGF-1, prolactin, gonadotropins, vasopressin) and urine analysis according to Zymnytsky.	2
12.	15.04 - 19.04	Preparing for the practical lessons on the topic 12 “Diseases of the sexual glands. “ Acquiring skills of interpretation of hormonal examination data (gonadal steroid hormones, prolactin, gonadotropins).	2
Preparing for differential credit.			6
Totally			**30**

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