

**Thematic plan of the practical training in endocrinology
for 6-year students of Faculty of foreign students
(2017-2018 academic year)**

Theme № 1. Diabetes mellitus. Actual problems of diabetology. Modern principles of diagnosis of disorders of carbohydrate metabolism. Late complications of diabetes mellitus.

Academic questions.

1. Diabetes mellitus type 1 and 2. Social and medical importance of this.
2. The role of obesity and insulin resistance in development of diabetes mellitus type 2.
3. Modern principles of diagnosis of disorders of carbohydrate metabolism.
4. Gestational diabetes mellitus: diagnostic criteria, principles of treatment and management of pregnancy. Pregnancy in diabetes mellitus.
5. Late complications of diabetes mellitus: diabetic neuropathy and diabetic foot syndrome, diabetic nephropathy. Classification, basic methods of diagnosis and treatment.
6. Distinctive features of surgery in patients with diabetes mellitus.
7. Prevention of diabetes mellitus and its acute and chronic complications.

Theme № 2. Complex treatment of diabetes mellitus with evidence-based medicine.

Academic questions.

1. Modern algorithm for management of patients with diabetes mellitus type 2.
2. The principle of multi-factor correction of diabetes mellitus type 2.
3. Criteria for the effective treatment of diabetes mellitus type 2.
4. New methods and medications in the treatment of diabetes mellitus and obesity.
5. The principles of management of patients with somatic diseases in diabetes mellitus.
6. Monitoring of diabetes mellitus in an outpatient setting and self-monitoring at home.
7. Integrated therapy of diabetes mellitus aimed at the prevention of cardiac disease.

Theme № 3. Diseases of the thyroid and parathyroid glands.

Academic questions.

1. Nodal thyroid pathology: definition, causes, clinical manifestations, stages of examination and a differentiated management of patients.
2. Prevention of iodine deficiency diseases and the state of the problem in Belarus.
3. Hyperparathyroidism and hypoparathyroidism: causes, clinical manifestations, diagnosis and treatment.
4. Hypothyroidism: classification, diagnosis, differential diagnosis and treatment guidelines.
5. Hyperthyroidism: classification, differential diagnosis, treatment. Subclinical hyperthyroidism: monitoring, management of patients.
6. Determination of the treatment of Graves' disease and toxic adenoma.

Theme № 4. Emergency conditions in endocrinology and arterial hypertension caused by endocrine pathology.

Academic questions.

1. Differential diagnosis and distinctive features of emergency medical care in hyperglycemic coma (ketoacidotic, hyperosmolar and lacticidotic).
2. Hypoglycemia: diagnosis, treatment, stages of providing emergency medical care.
3. Prevention of emergency conditions in diabetes mellitus.
4. Thyrotoxic crisis: etiology, pathogenesis, clinical manifestations, diagnosis, treatment and prevention.
5. Hypothyroid coma: etiology, pathogenesis, clinical manifestations, diagnosis, treatment and prevention.
6. Acute adrenal insufficiency and adrenal crisis: etiology, pathogenesis, clinical manifestations, diagnosis, treatment and prevention.
7. Arterial hypertension caused by endocrine pathology (pheochromocytoma and paraganglioma, hyperaldosteronism, hypercorticism): screening and detection of indications for special examination, basic tests, required to verify the diagnosis, differential diagnosis and treatment.

Theme № 5. Endocrine aspects of reproductive health.

Academic questions.

1. Polycystic ovary syndrome: modern methods of diagnosis, non-drug and drug treatment in patients with this pathology.
2. Congenital adrenal hyperplasia: modern methods of diagnosis and treatment of congenital adrenal hyperplasia.
3. Hyperprolactinemia: physiological and pathological causes and methods of its correction.
4. Hypogonadism in men and women: causes, diagnosis, differential diagnosis, principles of replacement therapy.
5. Menopause, climacteric syndrome: screening, detection of indications for special examination, differential diagnosis, indications and contraindications for menopausal replacement therapy.
6. Problems of the functioning of the endocrine system disorders caused by aging: screening, detection of indications for special examination, differential diagnosis, principles of treatment.
7. Andropause: screening, detection of indications for special examination, differential diagnosis, principles of treatment. Indications and contraindications for replacement therapy.
8. Osteoporosis: classification, methods of diagnosis and treatment.