

**Brief overview of the discipline (abstract)**  
**for the catalogue of elective training**

**Selected issues of paediatric endocrinology**

(name of the elective discipline)

<b>Speciality</b>	Medicine 222 (22 – Health Care)
<b>Educational level</b>	Master's degree
<b>Duration of study (course)</b>	6 month (5-6 <sup>th</sup> year)
<b>Form of study</b>	Full-time
<b>Department</b>	Of Paediatrics and Medical Genetics

**Summary of the discipline:** Diseases of the endocrine system, metabolism and nutritional disorders in childhood traditionally rank 4<sup>th</sup> among all diseases in the paediatric population of Ukraine after respiratory, digestive, eye and adnexa diseases. The prevalence of endocrine diseases depends primarily on their detection, primarily during preventive examinations of children, the quality of which has deteriorated significantly in recent years, becoming formal and ineffective, as well as on the proper registration of the detected pathology. Therefore, the study of this discipline is relevant and the main objectives are to deepen students' knowledge and skills in diagnosing endocrine pathology of childhood, improve skills in examining a child with endocrine pathology, study the manifestations of major endocrine diseases in childhood, and modern principles of treatment.

**An approximate list of topics for training sessions** (lectures, workshops, seminars):

1. Anatomical and physiological features of the endocrine system of children of different ages.
2. Features of the clinical course of diabetes mellitus in children. Modern classification, pathogenesis, approaches to the diagnosis and treatment of diabetes mellitus in childhood. Regimens of insulin therapy. Complications of insulin therapy.

3. Chronic complications of diabetes mellitus: classification, pathophysiology, principles of diagnosis, treatment and prevention.
4. Modern views on the pathogenesis, approaches to the diagnosis and treatment of the most common thyroid diseases in children.
5. Diseases of the parathyroid glands in children: classification, pathophysiology, principles of diagnosis, treatment and prevention.
6. Diseases of the adrenal glands in childhood. Modern approaches to diagnosis, treatment and prevention.
7. Growth retardation in children: etiology, pathogenesis, classification. Clinical picture, modern diagnostics and differential diagnosis of various forms of short stature. Treatment and prevention.
8. Obesity syndrome in childhood. Etiopathogenesis, classification, clinic, differential diagnosis, treatment and prevention.
9. Disorders of sexual development in girls. Etiopathogenesis, classification, clinic, differential diagnosis, treatment and prevention.
10. Disorders of sexual development in boys. Etiopathogenesis, classification, clinic, differential diagnosis, treatment and prevention.

**The list of competences that the discipline will ensure:**

**General competences:**

**GC1** Ability to abstract thinking, analysis and synthesis, the ability to learn and be modernly trained.

**GC2** Ability to use knowledge in practical situations

**GC3** Ability to adapt and act in a new situation

**GC4** Ability to make informed decisions; teamwork; interpersonal skills

**GC5** Ability to communicate in the state language both orally and in writing; ability to communicate in a foreign language

**GC6** Skills in the use of information and communication technologies

**GC7** Determination and perseverance in relation to tasks and responsibilities

**Special (professional, subject) competences**

**SC1** Skills of interviewing and clinical examination of the patient

**SC2** Ability to determine the necessary list of laboratory and instrumental studies and evaluate their results

**SC3** Ability to establish a preliminary and clinical diagnosis of the disease

**SC4** Ability to determine the necessary work and rest regime in the treatment of diseases

**SC5** Ability to determine the nutritional status in the treatment of diseases

**SC6** Ability to determine the principles and character of treatment of diseases

**SC7** Ability to diagnose emergency conditions

**SC8** Ability to determine the tactics of emergency medical care

**SC9** Skills in providing emergency medical care.

**List of academic staff who will ensure the conduct of the discipline:**

1. Associate Professor of the Department of Pediatrics and Medical Genetics, PhD, Ryznychuk M.O.

**Head of the Department of Pediatrics  
and Medical Genetics MD, Professor**

**Snizhana SOKOLNYK**