

**Short description of the discipline (abstract)
for the catalog of elective subjects**

Children's neurology issues

(name of the elective course)

Specialty	Medicine – 222
Educational degree	Master
Training course	5
Form of study	Full-time
Department	Pediatrics and Medical Genetics

Summary of the subject: diseases of the nervous system in children are a serious medical and social problem not only in pediatrics, but also in the general structure of somatic pathology of the population. Features of the occurrence, course, diagnosis and treatment of the pathology of the nervous system in childhood require more attention and deeper study by students of medical institutions. The main tasks of this elective course are deepening the knowledge and skills of students in assessing the level of psycho-motor development of children of different age categories; improvement of communication skills with the patient, the patient's parents, collection of life anamnesis and development of the disease; study of the main manifestations of the leading pathologies of the nervous system of childhood, methods of their diagnosis and modern principles of treatment.

Approximate list of topics for practical classes:

1. Anatomical and physiological features of the central and peripheral nervous system of children of different age.
2. Assessment of motor and psycho-speech development in normal and pathological conditions.
3. Diseases of the nervous system in the newborn period. Hypoxic-ischemic lesion of the central nervous system and its consequences.
4. Congenital and acquired defects of the brain and spinal cord.
5. Children's cerebral palsy: causes, manifestations, diagnosis, treatment, principles of rehabilitation.
6. Epilepsy. Epileptic status. Modern recommendations for prescribing antiepileptic drugs.
7. Syndromic structure of childhood neuroinfections.
8. Modern methods of neuroimaging in the diagnosis of nervous system pathology in children.
9. Emergency conditions in pediatric neurology.

The list of competencies that will be provided by the discipline:

General competencies:

- GC1** Ability to abstract thinking, analysis and synthesis, to learn and be modernly trained
- GC2** Ability to apply knowledge in practical situations
- GC3** Knowledge and understanding of the subject area and understanding of professional activity
- GC4** Ability to adapt and act in a new situation
- GC5** Ability to make an informed decision; work in a team; interpersonal skills
- GC6** Ability to communicate
- GC7** Skills in the usage of information and communication technologies
- GC8** Definiteness and perseverance in terms of tasks and responsibilities
- GC9** Ability to act socially responsibly and consciously

Special (professional, subject) competencies:

- SC1** Skills of interviewing and clinical examination of the patient
- SC2** Ability to determine the required 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 required mode of work and rest in the treatment of diseases
- SC6** Ability to determine the principles and character of the treatment
- SC7** Ability to diagnose emergencies
- SC8** Ability to determine the tactics of emergency medical care
- SC9** Emergency care skills.

The list of scientific and pedagogical employees who will ensure the conduct of the discipline:

1. Associate Professor, PhD - Khlunovska Liudmyla,
2. Associate Professor, PhD – Andriichuk Denis

Head of the Department

Snizhana SOKOLNYK