**Thematic plan of the lectures on Nevrology and Medical Genetics for 4 year students for the VII semester 2018-2019 academic year.**

1. Subject and history of clinical neurology. The principles of the structure and function of the nervous system. Voluntary movements and their disorders. Symptoms of the cortico-muscular ways at different levels. Central and peripheral paresis.

2. Sensitivity and its disorders. Types and sensitivity disorders. The central and peripheral mechanisms of pain.

3. Extrapyramidal symptoms, and its defeat. Coordination of movements and its disorders.

4. Symptoms disorders of the individual lobes of the brain. Higher mental functions.

5. Shell of the brain, cerebrospinal fluid, brain ventricles. Meningeal and hypertensive syndrome. Hydrocephalus.

6. Acute ischemic attacks.

7. Infectious diseases of the nervous system.

8. Diseases of the peripheral nervous system.

9. Demyelinating diseases of the nervous system. Multiple sclerosis.

10.Vertebral neurological disorders and other musculoskeletal disorders.

11. Paroxysmal disorders of consciousness (epilepsy and syncope).

12. Neuroses.

13. The autonomic nervous system and autonomic disorders. Neurogenic dysfunction of the pelvic organs. Vegetative dystonia. Headaches and facial pain.

14. Fundamentals of Medical Genetics. The methodology of genetic studies in the clinic nerve diseases. Hereditary cerebellar ataxia and spinal. Hereditary diseases with damage to the extrapyramidal system. Neuromuscular diseases.