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

**Nevrology and Medical Genetics.**

**1. Subject and history of clinical neurology. The principles of the structure and function of the nervous system. Methods of study of the nervous system. Construction of topical diagnosis in neurology. 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.**

**4. Coordination of movements and its disorders.**

**5. Syndromes, spinal cord lesions, its roots and peripheral nerves.**

**6. Syndromes of lesions of the brain stem and cranial nerves V. VII - XII pairs of cranial nerves.**

**7. Cranial nerves I-IV, IV pair of cranial nerves.**

**8. The autonomic nervous system and autonomic disorders. Neurogenic dysfunction of the pelvic organs.**

**9. Symptoms of the individual lobes of the brain. Higher mental functions.**

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

**11. 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.**

**Modern neuroscience aspects.**

**1. Acute ischemic attacks.**

**2. Encephalopathy. Vascular dementia. Neurological disorders in elderly and senile age.**

**3. Diseases of the peripheral nervous system.**

**4. Vertebral neurological disorders and other musculoskeletal disorders.**

**5. Demyelinating diseases of the nervous system. Multiple sclerosis.**

**6. Infectious diseases of the nervous system.**

**7. Paroxysmal disorders of consciousness (epilepsy and syncope).**

**8. Neuroses. Occupational diseases of the nervous system.**

**9. Wakefulness and sleep. Consciousness and its disorders syndromes.**

**Vegetative dystonia. Headaches and facial pain.**