Annotation

of the syllabus of discipline

 Pathophysiology

graduate qualification Specialist

Field of training 31.05.01 «General medicine»

Authors (last name, first name, patronymic name, academic degree, academic title, position)

Solovieva Natalia Vladislavovna

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| Goal of the course | The purpose is - the formation of students' ability to deal effectively with professional medical tasks based on pathophysiological analysis of data on pathological processes, states, reactions and diseases with the knowledge of the general laws and mechanisms of their origin, development and completion, as well as to formulate principles (algorithms, strategies) and methods of detection, treatment and prevention. |
| Tasks of the course | to aсquaint students with the basic concepts and modern concepts of general nosology;to examine the etiology, pathogenesis, principles of detection, treatment and prevention of the most socially significant diseases and pathological processes; train pathophysiological ability to conduct analysis of data on pathological syndromes, pathological processes, forms of pathology and selected diseases;create methodological and methodical basis of clinical thinking and rational action doctor |
| Position of the course within the structure of the educational program (EP) | Previous courses- in the cycle of humanitarian, social and economic disciplines (philosophy, bioethics, jurisprudence, history of medicine, Latin);- in a series of mathematical, natural sciences: physics, mathematics; medical informatics; chemistry; biology; biochemistry; Anatomy; topographical anatomy and operative surgery; histology, embryology, cytology; normal physiology; microbiology; immunology;- in a series of professional disciplines: health; life safety, disaster medicine.Subsequent courses: public health and health care, health economics; epidemiology; medical rehabilitation; Dermatology; psychiatry, medical psychology; otolaryngology; ophthalmology, forensic science; obstetrics and gynecology; pediatrics; faculty therapy, occupational diseases; Hospital therapy, endocrinology; infectious diseases; phthisiology; polyclinic therapy; anesthesiology, intensive care, intensive therapy; Faculty surgery, urology; Hospital surgery, pediatric surgery; oncology, radiation therapy; traumatology, orthopedics, propaedeutics internal medicine, X-ray diagnostics; general surgery, X-ray diagnostics; dentistry; neurology, medical genetics, neurosurgery |
| Year of study, term | Year of study 3 term 5,6 |
| Course workload | Lectures - 42Practicals - 84Self-studies 162Consultations for the exam – 33,7Examination – 36Total course workload \_288(hours)/\_8 (credits) |
| Formed competences (codes)  | GPS-5 |
| Basic course sections (modules) | 1.The subject matter of Pathophisiology. Nosology. 2.Etiology and pathogenesis 3.Disorders of regional circulation and microcirculation4.Inflammation5.Disorders of thermoregulation. Fever.6.Reactivity. Typical forms of disorders of immunologic reactivity7.Allergy8.Derangements of carbohydrate metabolism9.Derangements of lipid metabolism. Atherosclerosis10.Disorders of water exchange. Edema11.Abnormal tissue growth. Tumors.12.Emergency states. Coma and shock13.Pathophysiology of endocrine system14.Pathophysiology of the red blood cell system15.Pathophysiology of the white blood cell system16.Pathophysiology of hemostasis17.Pathophysiology of cardio-vascular system18.Typical disorders of respiratory dysfunction 19.Hypoxia20.Pathophysiology of kidneys21.Pathophysiology of digestion22.Derangements of hepatic metabolism |