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 - 42  Practicals - 84  Self-studies 162  Consultations for the exam – 33,7  Examination – 36  Total 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 microcirculation  4.Inflammation  5.Disorders of thermoregulation. Fever.  6.Reactivity. Typical forms of disorders of immunologic reactivity  7.Allergy  8.Derangements of carbohydrate metabolism  9.Derangements of lipid metabolism. Atherosclerosis  10.Disorders of water exchange. Edema  11.Abnormal tissue growth. Tumors.  12.Emergency states. Coma and shock  13.Pathophysiology of endocrine system  14.Pathophysiology of the red blood cell system  15.Pathophysiology of the white blood cell system  16.Pathophysiology of hemostasis  17.Pathophysiology of cardio-vascular system  18.Typical disorders of respiratory dysfunction  19.Hypoxia  20.Pathophysiology of kidneys  21.Pathophysiology of digestion  22.Derangements of hepatic metabolism |