

Summary of the working program of the academic discipline

« OTORHINOLARYNGOLOGY »

General Educational Program of higher education **31.05.01 GENERAL MEDICINE**

Department: **DISEASES OF THE EAR, THROAT AND NOSE**

1. The purpose of mastering the discipline (*participation in the formation of relevant competencies*):

GPC-4. Able to apply medical products, provided by the order of healthcare delivery, as well as examine patients for the purpose of determining the diagnosis

GPC-6. Able to: organize patient care, provide primary health care, ensure the organization of work and professional decision-making in case of medical emergency on the prehospital stage, in the conditions of emergency situations, epidemics and in centers of mass destruction

GPC-7. Able to prescribe treatment and monitor its effectiveness and safety

PC-2 Able to recognize conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring urgent medical care, recognize conditions that pose a threat to the patient's life including conditions of clinical death (stopping vital functions of the human body (blood circulation and/or respiration), requiring the provision of emergency medical care

PC-3 Able to: provide emergency medical care to patients in case of sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life, provide emergency medical care to patients in conditions that threaten the patient's life, including clinical death (suspension of vital functions the human body (circulation and/or respiration)

2. Position of the academic discipline in the structure of the General Educational Program (GEP).

2.1 The discipline "Otorhinolaryngology" refers to the core part of Block 1 of GEP HE (Academic discipline index).

The discipline "Otorhinolaryngology" refers to the professional cycle of disciplines.

The discipline is included in the basic component of the doctor's training cycle and is mandatory for study at all faculties: medical, pediatric, medical-prophylactic and dental.

The basic knowledge necessary for studying the discipline is formed in the cycles: humanitarian, social and economic (foreign language, Latin, pedagogy and psychology, philosophy); biophysical, natural science disciplines (anatomy, histology, normal physiology; pathological anatomy; pathological physiology; operative surgery and topographic anatomy, pharmacology, microbiology); professional disciplines (stomatology; neurology, medical genetics; ophthalmology; propaedeutics of internal diseases, radiation diagnostics; clinical pharmacology; infectious diseases, dermatovenereology, pediatrics, oncology, neurology).

3. Deliverables of mastering the academic discipline and metrics of competence acquisition

Mastering the discipline aims at acquiring the following universal (UC) or/and general professional (GPC) or/and professional (PC) competencies

№	Competence code	The content of the competence (or its part)	Code and name of the competence acquisition metric	As a result of mastering the discipline, the students should:		
				Know	Be able to	Possess
1.	GPC-4	Able to apply medical products, provided by the order of healthcare delivery, as well as examine patients for the purpose of determining the diagnosis		<p>IOTC 4.1 Knows the methodology for collecting anamnesis of life and diseases, complaints from patients (their legal representatives); method of examination and physical examination; clinical picture, methods for diagnosing the most common diseases of ENT organs; methods of laboratory and instrumental studies for assessing the state of health, medical indications for conducting studies, rules for interpreting their results; international statistical classification of diseases and related health problems (ICD); conditions requiring emergency medical care; the procedure for using a tracheostomy tube, a pneumoballoon to stop nasal bleeding in accordance with the current procedures for the provision of medical, clinical recommendations (treatment protocols) on the provision of medical care,</p>	<p>IOPC 4.2 Is able to: collect complaints, anamnesis of life and disease from patients (their legal representatives), identify risk factors and causes of diseases; apply methods of examination and physical examination of patients with pathology of ENT organs; interpret the results of the examination and physical examination of patients; to diagnose the most common pathology of ENT organs in patients; identify risk factors for cancer; formulate a preliminary diagnosis, draw up a plan for conducting laboratory, instrumental and additional studies in patients in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; refer patients to laboratory instrumental and additional studies in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; refer patients for consultations to specialist doctors in accordance with the procedures for providing medical care, clinical recommendations,</p>	<p>IDOPK 4.3 Has practical experience in: collecting complaints, anamnesis of life and disease in patients (their legal representatives), identifying risk factors and causes of diseases; examination and physical examination of patients with pathology of ENT organs; diagnosis of the most common diseases of ENT organs; identification of risk factors for major oncological diseases of the upper respiratory tract; formulating a preliminary diagnosis, drawing up a plan for instrumental, laboratory, additional studies, consultations with specialist doctors; referral of patients for instrumental, laboratory, additional studies, consultations of medical specialists in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; interpretation of data from additional (laboratory and instrumental) examinations of patients; making a preliminary diagnosis in accordance with the international</p>

					<p>taking into account the standards of medical care; interpret and analyze the results of consultations with patients' specialists; interpret and analyze the results of basic (clinical) and additional (laboratory, instrumental) examination methods; to carry out differential diagnostics of diseases in patients; identify clinical signs of sudden acute diseases, conditions, exacerbations of chronic diseases without obvious signs of a threat to life, requiring emergency medical care; use a tracheostomy tube and a pneumotampon to stop nosebleeds in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, care taking into account the standards of medical care making a preliminary diagnosis in accordance with the international statistical classification of diseases and related health problems (ICD); carrying out differential diagnostics of diseases; recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care; the use of a tracheostomy tube and a pneumotampon to stop nosebleeds in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, care taking into account the standards of medical care making a preliminary diagnosis in accordance with the international statistical classification of diseases and related health problems (ICD); carrying out differential diagnostics of diseases; recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care; the use of a tracheostomy tube and a</p>	<p>statistical classification of diseases and related health problems (ICD); carrying out differential diagnostics of diseases; recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care; the use of a tracheostomy tube and a pneumotampon to stop nosebleeds in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, care taking into account the standards of medical care making a preliminary diagnosis in accordance with the international statistical classification of diseases and related health problems (ICD); carrying out differential diagnostics of diseases; recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care; the use of a tracheostomy tube and a</p>
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						<p>pneumotampon to stop nosebleeds in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, care taking into account the standards of medical care making a preliminary diagnosis in accordance with the international statistical classification of diseases and related health problems (ICD); carrying out differential diagnostics of diseases; recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care; the use of a tracheostomy tube and a pneumotampon to stop nosebleeds in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, care taking into account the standards of medical care carrying out differential diagnostics of diseases; recognition of conditions arising from sudden acute</p>
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						<p>diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care; the use of a tracheostomy tube and a pneumotampon to stop nosebleeds in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, care taking into account the standards of medical care carrying out differential diagnostics of diseases; recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care; the use of a tracheostomy tube and a pneumotampon to stop nosebleeds in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, care taking into account the standards of medical care</p>
2.	GPC-6	Able to: organize patient care, provide primary health care, ensure		IOTC 6.1 Knows: methods of collecting complaints and anamnesis from patients (their legal	IOTC 6.2 Is able to: recognize conditions requiring emergency medical care, requiring	IOPC-6.3 Has practical experience in: assessing a condition

		the organization of work and professional decision-making in case of medical emergency on the prehospital stage, in the conditions of emergency situations, epidemics and in centers of mass destruction		representatives); methods of physical examination of patients with pathology of ENT organs; principles and methods of providing medical care to patients in emergencies, in accordance with clinical guidelines, taking into account the standards of medical care; clinical signs of major medical emergencies; organization principles care of patients with pathology of ENT organs, provision of primary health care	emergency medical care; provide emergency medical care to patients in conditions that pose a threat to the life of patients with ENT pathology, use medicines and medical devices in the provision of medical care in emergency conditions in patients with ENT pathology, organize care of patients with pathologies of ENT organs	requiring emergency medical care in case of pathology of ENT organs that pose a threat to life, requiring emergency medical care; providing emergency medical care to patients with pathology of ENT organs; the use of drugs and pneumotampons to stop nosebleeds; organization care of patients with tracheostomy
3.	GPC-7	Able to prescribe treatment and monitor its effectiveness and safety		IOPC 7.1 Knows: methods of drug and non-drug treatment, medical indications for the use of medical devices in the most common diseases of the ENT organs; groups of drugs used to provide medical care in the treatment of the most common diseases of ENT organs; the mechanism of their action, medical indications and contraindications to the appointment; compatibility, possible complications, side effects, adverse reactions, including serious and unforeseen; features of medical care in emergency forms	IOPC 7.2 Is able to: develop a treatment plan for patients with the most common diseases of the ENT organs in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; prevent or eliminate complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of drugs and (or) medical devices, non-drug treatment	KIPT 7.3 Has practical experience in: development of a treatment plan for patients with the most common diseases of the upper respiratory tract in accordance with the current procedures for the provision of medical care, clinical guidelines, taking into account the standards of medical care; provision of medical care in an emergency and urgent form to patients with the most common diseases of the ENT organs, in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; selection and prescription of medicines, medical devices with the most common diseases for the treatment of the most

						<p>common diseases of the ENT organs in children and adults in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; evaluation of the effectiveness and safety of the use of drugs, medical devices and non-drug treatment in patients with the most common diseases of the ENT organs; selection and appointment of non-drug treatment for patients with the most common diseases of the ENT organs in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; prevention and treatment of complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of drugs and (or) medical devices, non-drug treatment; providing medical care to patients with sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the life of the patient in an emergency; the use of medicines</p>
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						and medical devices in the provision of medical care in an emergency form
4.	PC-2	Able to recognize conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring urgent medical care, recognize conditions that pose a threat to the patient's life including conditions of clinical death (stopping vital functions of the human body (blood circulation and/or respiration), requiring the provision of emergency medical care		IPC 2.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of the most common diseases of ENT organs; methodology for collecting complaints and anamnesis from patients (their legal representatives); methods of physical examination of patients (examination, palpation, percussion); a list of laboratory and instrumental research methods for assessing the condition of a patient with the most common diseases of ENT organs.	IPC 2.2 Able to: identify clinical signs of conditions requiring emergency medical care in diseases of the ENT organs; identify conditions requiring emergency medical attention	
5.	PC-3	Able to: provide emergency medical care to patients in case of sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life, provide emergency medical care to patients in conditions that threaten the patient's life, including clinical death (suspension of vital functions the human body (circulation and/or respiration)		IPC 3.1 Knows: rules for nasal pneumotamponade	IPC 3.2 Knows how to: perform pneumotamponade of the nose	

4. Volume of the academic discipline and types of academic work

Type of educational work	Labor intensity	Labor intensity in semesters (AH)
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	Volume in incredit units (CU)	Volume in inacademic hours (AH)	VIII semester
Classroom work, including	3	72	72
Lectures (L)	-	20	20
Laboratory practicum (LP)*			
Practicals (PC),	-	52	52
Seminars (S)	-	-	-
Student's individual work (SIW)		36	36
Medical history (MH)	-	8	-
Preparation for classes (PC)	-	28	28
Mid-term assessment			
Credit			Credit
TOTAL LABOR INTENSITY	3	108	108

5. Sections of the academic discipline and competencies that are formed

№	Competence code	Section name of the discipline
1.	GPC-4, GPC-6, GPC-7, PC-2, PC-3	Clinical anatomy, physiology, methods of investigation of ENT organs
2.	GPC-4, GPC-6, GPC-7, PC-2, PC-3	Diseases of the nose and paranasal sinuses
3.	GPC-4, GPC-6, GPC-7, PC-2, PC-3	Diseases of the pharynx
4.	GPC-4, GPC-6, GPC-7, PC-2, PC-3	Diseases of the larynx
5.	GPC-4, GPC-6, GPC-7, PC-2, PC-3	Ear diseases
6.	GPC-4, GPC-6, GPC-7, PC-2, PC-3	Emergency conditions in otorhinolaryngology