

## Summary to the work program of the discipline «Otorhinolaryngology»

Specialty: **31.05.03 DENTISTRY**

### **1. The purpose of mastering the discipline.**

Participation in forming the relevant competencies:

GPC-5. Able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems

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

### **Tasks of the discipline.**

*Know:*

1. the main methods of examination of an ENT patient (analysis of complaints, clarification of the history of the disease and life history, examination of the ENT organs)
2. rules for issuing and maintaining medical records (outpatient card, inpatient card);
3. main clinical manifestations of pathological conditions in otorhinolaryngology
4. classification and main characteristics of drugs used in otorhinolaryngology;
5. the main manifestations and diagnostic criteria for acute conditions in otorhinolaryngology that are not accompanied by a threat to the patient's life
6. the main manifestations and diagnostic criteria for acute conditions in otorhinolaryngology, accompanied by a threat to the life of the patient
7. the main ways to help patients with emergency pathology of the ENT organs
8. rules for caring for patients with pathology of ENT organs

*Be able to:*

1. examine a patient with various pathologies of the ENT organs (analysis of complaints, clarification of the history of the disease and life history, local examination of the pathological focus);
1. analyze patient complaints, anamnesis data, results of the main diagnostic methods used in otorhinolaryngology
2. formulate a diagnosis and determine a management plan for the patient
3. fill out an outpatient card, medical history
4. diagnose nosebleeds, install a pneumopacking for epistaxis
5. diagnose the stage of decompensation of stenosis of the larynx and asphyxia, make a tracheostomy toilet
6. apply basic antibacterial, antiviral, biological drugs
7. care for patients with pathology of the ENT organs

*Possess:*

1. the primary methods of examination of an ENT patient
2. skills in interpreting the results of laboratory, instrumental diagnostic methods used in otorhinolaryngology
3. correct maintenance of medical records;
4. the primary methods of examination of the ENT patient;
5. skills in interpreting the results of laboratory, instrumental diagnostic methods;
6. detailed clinical diagnosis algorithm
7. skills in the use of drugs in the treatment of pathological conditions of ENT organs

8. the skills of washing the maxillary sinus through the catheter
9. the skills of introducing ear, nasal drops
10. the primary medical diagnostic and therapeutic methods for providing first aid in emergency and acute conditions in ENT patients.

## **2. Position of the academic discipline in the structure of the General Educational Program of Higher Education (GEP HE) of the organization**

### **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).

### **2.2 The following knowledge, skills and abilities formed by previous academic disciplines are required for mastering the discipline:**

- 1) Human Anatomy - Head and Neck Anatomy
- 2) Pathological anatomy - pathological anatomy of the head and neck
- 3) Topographic anatomy and operative surgery
- 4) Normal physiology - physiology of the maxillofacial region
- 5) *Pathophysiology - pathophysiology of the head and neck*
- 6) *Internal diseases. Clinical pharmacology*

### **2.3. Mastering the discipline is required for forming the following knowledge, skills and abilities for subsequent academic disciplines:**

- 1) *Dentistry*
- 2) *Ophthalmology*
- 3) *Neurology, medical genetics and neurosurgery*

## **4. 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	The content of the	Code and	As a result of mastering the discipline, the students should:
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	code	competence (or its part)	name of the competence acquisition metric	Know	Be able to	Possess
1	GPC-5.	Able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems		IOPC 5.1 Knows the methodology for collecting anamnesis of life and diseases, complaints from children and adults (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	IOPC 5.2 Able to: collect complaints, anamnesis of life and disease in children and adults (their legal representatives), identify risk factors and causes of the development of diseases of the ENT organs; apply methods of examination and physical examination of children and adults with pathology of ENT organs; interpret the results of the examination and physical examination of children and adults; to diagnose in children and adults the most common pathology of ENT organs; identify risk factors for cancer; formulate a preliminary diagnosis, draw up a plan for laboratory, instrumental and additional studies in children and adults with the most common diseases of the ENT organs, interpret and analyze the results of basic (clinical) and additional (laboratory, instrumental) examination methods; to carry out differential diagnostics of diseases in children and adults with the most common diseases of ENT organs; identify clinical signs of sudden acute diseases, conditions, exacerbations of chronic diseases without obvious signs of a threat to life, requiring emergency medical care	IDOPK 5.3 Has practical experience: collecting complaints, anamnesis of life and disease in children and adults (their legal representatives), identifying risk factors and causes of diseases of the ENT organs; examination and physical examination of children and adults; diagnosis of the most common diseases of ENT organs in children and adults; identification of risk factors for major cancers; 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 with the most common pathology of ENT organs; 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 illnesses, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care
2	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		IOTC 6.1 Knows: methods of collecting complaints and anamnesis from patients (their legal 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	IOTC 6.2 Is able to: recognize conditions requiring emergency medical care, requiring 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	IOPC-6.3 Has practical experience in: assessing a condition 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

## 5. Volume of the academic discipline and types of academic work

Type of educational work	Labor intensity		Labor intensity in semesters (AH)
	Volume in credit units (CU)	Volume in academic hours (AH)	VIII semester
<b>Classroom work, including</b>	<b>2</b>	<b>48</b>	<b>48</b>
Lectures (L)	-	14	14
Laboratory practicum (LP)*			
Practicals (PC),	-	34	34
Seminars (S)	-	-	-
<b>Student's individual work (SIW)</b>		<b>24</b>	<b>24</b>
Medical history (MH)	-	4	4
Preparation for classes (PC)	-	24	24
<b>Mid-term assessment</b>			
Credit			Credit

<b>TOTAL LABOR INTENSITY</b>	<b>2</b>	<b>72</b>	<b>72</b>
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## **6. Sections of the academic discipline and competencies that are formed when mastering them:**

No.	Competence codes	Section name of the discipline	The content of the section in teaching units
1	GPC-5 GPC -6	Clinical anatomy, physiology and research methods of ENT organs	Clinical aspects of anatomy and physiology of ENT organs in adults and adolescents. Communication of diseases of ENT organs with the pathology of other anatomical and physiological systems of the body. General principles of examination of the patient in the ENT room of the clinic and the ENT hospital. Training in the technique of using the frontal reflector and viewing tools. Study of methods of traditional and modern functional clinical and paraclinical diagnostics of ENT diseases.
2	GPC-5 GPC -6	Diseases of the nose and paranasal sinuses	Acute and chronic inflammatory diseases of the nasal cavity and paranasal sinuses: their etiology, pathogenesis, pathomorphology, classification, clinical manifestations and modern methods of conservative and surgical treatment. Intraorbital and intracranial rhinogenic complications: pathogenesis, clinic, diagnosis and treatment. Indications for operations on the paranasal sinuses.
3	GPC-5 GPC -6	Diseases of the pharynx	Morphological and physiological characteristics of the lymphadenoid pharyngeal ring, its role in the formation of immunity. Angina - acute and chronic. Classification of angina. The defeat of the tonsils in acute infectious diseases and diseases of the blood system. Diphtheria of the throat. Chronic tonsillitis and its relationship with diseases of the internal organs. Methods for diagnosing chronic tonsillitis. Modern approaches to tactics and treatment of chronic tonsillitis. Indications for surgical methods of treatment.
4	GPC-5 GPC -6	Diseases of the larynx	Acute and chronic diseases of the larynx. Acute laryngitis: etiopathogenesis, clinic, age-related features of the course, diagnosis and treatment. Classification of chronic laryngitis. Standards for their diagnosis and treatment. Oncological alertness, in some forms of chronic laryngitis: facultative and obligate precancer. Cancer tumors of the larynx. Modern methods of diagnosis and principles of treatment of tumor pathology of the larynx.
5	GPC-5 GPC -6	Ear diseases	Acute purulent inflammation of the middle ear. Antrite. Mastoiditis. Atypical forms of mastoiditis. Chronic suppurative otitis media: diagnosis and methods of conservative treatment of meso- and epitympanitis. Sanitizing and functional surgery of "purulent ear". Intra-ear complications of otitis media: paresis of the facial nerve and labyrinthitis; their clinic, diagnosis and treatment. Intracranial complications of otitis media: their main clinical forms and syndromes, modern diagnostic standards and treatment

			principles. Non-purulent diseases of the ear: otosclerosis, Meniere's disease, sensorineural hearing loss: clinic, diagnosis, treatment.
6	GPC-5 GPC -6	Emergency conditions in otorhinolaryngology	Stenosis of the larynx. Acute stenosing laryngotracheitis in children, clinical symptoms, diagnosis and treatment. Classification of stenosis of the larynx, stages of stenosis, their clinical characteristics; diagnosis and treatment tactics depending on the etiology and stage of stenosis. Indications for intubation and tracheostomy, the technique of their implementation. Foreign bodies of the respiratory tract (larynx, trachea, bronchi) and esophagus. Complications. Clinic, diagnosis, treatment. Nosebleeds: etiology, methods of stopping and hemostatic therapy.