

International Institute of Medical Education and Cooperation
SPECIALIST DEGREE PROGRAMME 31.05.01 ‘GENERAL MEDICINE’
COURSE (MODULE) ‘Otorhinolaryngology’

OVERVIEW

Mode of study	full time	
Faculty	International Institute of Medical Education and Cooperation	
Department	Otorhinolaryngology	
Year	4	
Semester –	7– Otorhinolaryngology (108 ac.h.)	*ac. h. – academic hours
Lectures –	10 ac.h.	
Offset –	7 semester 4 ac.h	
Practical classes	48 ac.h	
Self-study	46 ac.h	
Total workload	108 ac.h (3 credits)	

The course (module) is devised according to FSES HE requirements approved on February,9, 2016 by Order of Ministry of Health, Russian Federation) and vocational functions of General Practitioner (primary care physician, district doctor) Professional Standard.

1. THE COURSE AIM AND SCOPE

The aim course of otorhinolaryngology is the creation of theoretical and practical knowledge and skills of students in relation to the diagnosis, treatment, medical examination, prevention of the most common diseases of ENT organs and the provision of emergency otorhinolaryngological care.

The course focuses on

- to carry out activities to maintain public health;
- provide students with the information necessary to master certain knowledge in the field of otorhinolaryngology: diagnosis of pathological ENT - conditions based on anamnestic, clinical and laboratory - instrumental methods of research;
- teach students otorhinolaryngological examination of patients, identify symptoms of lesions of ENT organs, combine symptoms into syndromes and make a topical diagnosis;
- to teach students to predict the development and course of diseases, conduct therapeutic measures and provide emergency care to ENT patients; prevention of diseases of ENT organs.
- to teach students how to record in medical outpatient and inpatient departments of the ENT specialist;
- to conduct an anamnesis of scientific literature and be able to prepare essays on modern scientific problems of otorhinolaryngology;

2. THE COURSE POSITION IN SPECIALIST DEGREE PROGRAMME 31.05.01 ‘GENERAL MEDICINE’

The course ‘**Otorhinolaryngology**’ is taught in the block of professional subjects of ‘General Medicine’

The background knowledge for the course has been taught in \at

- **basic subjects** (Philosophy, Bioethics, Legal Studies, History of Medicine, History of Russia, Economics, Foreign Languages, Latin, Psychology, Pedagogy, Histology, Cell Biology Cytology, Embriology, Normal Physiology, Microbiology, Immunology, Topographic Anatomy and Operative Surgery, Pharmacology, Pathologic Anatomy, Pathologic Physiology, General Surgery, Propaedeutics of Internal Diseases);
- **variable subjects** (Medical Aspects of Human Ecology, Bioorganic Chemistry, Sociology, Political Studies).

3. OUTCOME COMPETENCIES OF THE COURSE

On completing the course a student is expected to

1. **know** the rules of work and safety in clinical laboratories, with reagents, devices; etiology, pathogenesis, dynamics of pathological changes and related functional disorders of ENT organs; methods for the diagnosis, treatment and prevention of diseases of ENT organs; the basic principles of a general clinical examination of patients with diseases of ENT organs; features of radiation diagnosis in the pathology of ENT organs; features of operative surgery of ENT organs; organization of planned and emergency medical care, rules for maintaining medical records; an algorithm for choosing drug therapy for first aid in emergency and life-threatening conditions; on the possibilities of domestic and foreign equipment for diagnosing the condition and treatment of ENT organs.

2. **to be able to** use educational, scientific, popular science literature, the Internet for professional activities; collect and analyze information about the health status of a patient with an ENT disease; use the methods of diagnosis, treatment and prevention of diseases of ENT organs; interrogate the patient and his relatives, identify complaints, medical history, medical history; to examine and physically examine the ENT of a patient's organs using traditional methods; draw up a plan of additional methods for examining the ENT of the patient's organs; analyze the results of additional methods for the study of ENT of the patient's organs; make a preliminary diagnosis with a subsequent referral to a specialist doctor for diseases of ENT organs; diagnose and provide emergency medical care to children and adults at the prehospital stage in case of emergency conditions associated with pathology of ENT organs: laryngeal stenosis, false croup, injuries and foreign bodies of ENT organs, nosebleeds; to solve deontological tasks related to the collection of information about the patient, diagnosis, treatment, prevention and care for patients with diseases of ENT organs; independently work with educational, scientific, normative and reference literature on otorhinolaryngology - conduct a search, turn what has been read into a means for solving professional problems; keep a medical history of a patient with an ENT disease; describe the clinical picture of the lesion of a patient with ENT disease; compile an outpatient medical history of a patient with an ENT disease of organs; interpret the results of the examination, make the patient a preliminary diagnosis, outline the scope of additional studies to clarify the diagnosis; formulate a clinical diagnosis; develop a treatment plan taking into account the course of the disease, select and prescribe drug therapy, use non-drug treatment methods, carry out rehabilitation measures for diseases of ENT organs; formulate indications for the chosen method of treatment taking into account etiotropic and pathogenetic agents; apply methods of aseptic and antiseptic, medical tools when working with patients with syphilis and HIV infection; to carry out the prevention and treatment of diseases of ENT organs; and if necessary, refer the patient to the appropriate specialists; carry out diagnostics and treatment with the appointment of the necessary

drug therapy for a patient with acute infectious diseases of ENT organs; and, if necessary, refer to the appropriate specialist.

3. **to provide** principles of medical deontology and medical ethics; skills for examining a patient with an ENT profile (anterior rhinoscopy, pharyngoscopy, indirect laryngoscopy, otoscopy, tuning forks, studies of vestibular function, decoding of a tonal threshold audiogram, tympanogram, radiograph, CT of the paranasal sinuses, examination of patency of the Eustachian tube from otoscopy); skills of making a preliminary and detailed clinical diagnosis in an otorhinolaryngological patient; the skills of medical diagnostic and therapeutic measures to indicate non-delayed measures in case of urgent conditions in otorhinolaryngology; the skills of organizing dispensary observation of patients with diseases of ENT organs; conducting sanitary-educational work among various population groups on the prevention of diseases of ENT organs; basic technologies for converting information: text. Table editors, search on the Internet; modern methods of interpreting theoretical information in the preparation of essays, reviews and reports.

Learning outcomes	Competency description of threshold level	Competency developed: a (compulsory) code
1	2	3
General Professional Competencies (GPC)		
<p>A student knows the basics of biomedical and clinical disciplines, the laws of the pathology of pathology in organs, systems and the body as a whole; diagnosis algorithm (main, concomitant, complications) taking into account the International Statistical Classification of Diseases and Problems Related to Health (ICD)</p> <p>A student is able to identify the main pathological symptoms and syndromes of diseases in patients, analyze the patterns of functioning of various organs and systems in various diseases and pathological processes, use the diagnosis algorithm (main, concomitant, complications) taking into account the International Statistical Classification of Diseases and Health Problems (ICD), to carry out basic diagnostic measures to identify urgent and life-threatening conditions.</p> <p>A student uses diagnosis (main, concomitant, complications) taking into account the International Statistical</p>	<p>the ability to assess morphofunctional, physiological states and pathological processes in the human body to solve professional problems</p>	<p>GPC-9</p>

Classification of Diseases and Health Problems (ICD).		
Professional competencies		
<p>A student knows first medical aid in case of emergency and life-threatening conditions, in extreme conditions of epidemics, in the foci of mass destruction.</p> <p>A student is able to provide first aid to the population in case of emergency and life-threatening conditions, hospitalize patients in a planned and emergency manner, conduct treatment and evacuation measures in emergency situations.</p> <p>A student uses methods of providing the population with first aid in case of emergency and life-threatening conditions, in extreme conditions of epidemics, in the centers of mass destruction</p>	ability to organize medical assistance in emergency situations, including medical evacuation	professional competencies - 19

4. THE COURSE (MODULE) 'Otorhinolaryngology' SYLLABUS AND CONTENTS

4.1 Total workload is 3 credits (108 ac.h.)

№ п/п	Part (Module)	semester	week of the	Study forms (including self-study and workload in ac.h.)				Formative assessment (weekly) Summative assessment (by semesters)
				Lectures	Practical classes	Seminars	Self-study	
1	The study of otorhinolaryngology. Research methods of ENT organs. Acute and chronic runny nose. Curvature of the nasal septum, boils of the vestibule of the nose, nosebleeds. Rhinogenic orbital and intracranial complications	7		3	15	-	15	Q T C A No formal control

2	Acute and chronic diseases of the pharynx (acute and chronic pharyngitis, tonsillitis, diphtheria, paratonsillar abscess, pharyngomycosis, chronic tonsillitis, adenoids)	7		3	8	-	11	Q T C A No formal control
3	Acute and chronic inflammatory diseases of the outer and middle ear and inner ear, complications. Non-purulent diseases of the ear.	7		3	17	-	11	Q T C A No formal control
4	Benign and malignant tumors; infectious granulomas of the upper respiratory tract and ear.	7		1	8	-	9	Q T C A No formal control
	Total	7		10	48	-	46	Q T C A Offset (4 ac.h)

Q - Questions, T –Test, C – Cases, A – Algorithms of performance

Head of Otorhinolaryngology Department



Nerovniy A.I.