

JSC "SOUTH KAZAKHSTAN MEDICAL ACADEMY"




SOUTH KAZAKHSTAN
MEDICAL
ACADEMY


EDUCATIONAL PROGRAM OF RESIDENCY

7R01128 "OTORHINOLARYNGOLOGY FOR ADULTS, CHILDREN "

Shymkent, 2022y.

7R01128 "Otorhinolaryngology for adults, children" has been updated in accordance with the requirements of the Order of the Minister of Health of the Republic of Kazakhstan "On approval of state mandatory standards for levels of education in the field of healthcare" dated July 4, 2022 No. KRDSM-63.

Post	Full name	Signature
Developed by		
Teaching staff of the Department of Surgery-1		
Head of the Department, Candidate of Medical Sciences, Acting Associate Professor	Zhumagulov K.N.	
Candidate of Medical Sciences, Acting Associate Professor of the Department	Kurmankulov I.S.	
Head of the Department of Otorhinolaryngology GKP on PCV GKB I	Khamidulin A.N.	
Resident of OP "Otorhinolaryngology for adults, children"	Shertaeva A.	
Minutes of the department meeting No. <u>12</u> from " <u>08</u> " <u>08</u> " 2022.		
Discussed at the meeting of the Residency Committee of Educational Programs		
Chairman of Committee of Educational Programs.	Kauyzbai Zh.A.	
Protocol No. <u>59</u> from " <u>04</u> " <u>08</u> 2022.		
Agreed at the Clinical Council		
Chairman of the Clinical Council	Kauyzbai Zh.A.	
Protocol No. <u>59</u> from " <u>05</u> " <u>08</u> 2022.		
Approved by the Academic Council		
Protocol No. <u>12</u> from " <u>08</u> " <u>08</u> 2022.		

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Educational program passport

1. The mission of the educational program: to be recognized as a leader in the field of training highly specialized, competitive otorhinolaryngologists

The term of study is 3 years

The qualification awarded upon completion of training is an otorhinolaryngologist for adults, children

2. The purpose of the educational program: training of a qualified otorhinolaryngologist with a system of universal, professional competencies, capable and ready for independent professional activity in primary health care;

specialized, including high-tech care; palliative care.

Objectives of the educational program:


Achieving high quality postgraduate medical education through the presentation of mandatory requirements for the level of training of students in the residency in otorhinolaryngology;
 Regulation of the educational process and creation of a system for monitoring the effectiveness of educational and scientific organizations that train resident trainees in otorhinolaryngology;
 Streamlining the rights and responsibilities of students in residency, stimulating independent educational and practical activities of resident interns in otorhinolaryngology.

3. Justification of the educational program:- for a resident: obtaining continuous integrated medical education in the field of otorhinolaryngology (adult, children's). At the end of 3 years of residency training, the graduate will be awarded a diploma, the qualification of an otorhinolaryngologist for adults and children.

- the need in the labor market: the provision of personnel with qualities such as high skill and professional perseverance, the necessary practical and theoretical knowledge, competence, observation and prudence, developed clinical thinking and passion.

4. The professional standard on the basis of which the educational program was developed:
 Normative documents for the development of an educational program

- Order of the Minister of Science and Higher Education of the Republic of Kazakhstan "On approval of State mandatory standards of higher and postgraduate education" dated 07/20/2022 No.
- Order of the Minister of Health of the Republic of Kazakhstan "On approval of state mandatory standards for levels of education in the field of healthcare" dated 07/04/2022 No. KR DSM-63;
- Order of the Vice-Minister of Health of the Republic of Kazakhstan "On approval of the phased implementation of continuous integrated medical education" dated 08.08.2022 No. 661;
- The Code of the Republic of Kazakhstan dated 07.07.2020 N ° 360- VI "On the health of the people and the health care system" (with amendments and additions as of 04.07.2022);
- The Law of the Republic of Kazakhstan "On Education" dated 07/27/2007 No. 319-III, with amendments and additions dated 07/04/2022.
- Order of the Minister of Education and Science of the Republic of Kazakhstan dated 10/16/2013 No.420 "On approval of Standard Rules for the activities of organizations of higher and (or) postgraduate education" with amendments and additions dated 12/29/2021;
- Order of the Minister of Education and Science of the Republic of Kazakhstan dated 04/20/2011 No. 152 "On approval of the Rules for the organization of the educational process on credit learning technologies" (with amendments and additions as of 05/06/2021)
- Order of the Minister of Health of the Republic of Kazakhstan dated 30.01.2008 No. 27 "On approval of the list of programs of continuous integrated education in clinical specialties" (with amendments and additions as of 14.05.2021;

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- "On approval of Standard Rules for the activities of educational organizations of appropriate types and types", Order of the Minister of Education and Science of the Republic of Kazakhstan dated 10/30/2018 No. 595 with amendments and additions dated 12/29/2021.

- Professional standard "Otorhinolaryngology" Standard for the organization of otorhinolaryngological care in the Republic of Kazakhstan Order of the Ministry of Health of the Republic of Kazakhstan No. RK DSM 92 dated 08/26/2021

- "Guidelines for the development of educational programs of higher and postgraduate education" order of the Director of CBP AM No. 45
o/d of the Ministry of Education and Science of the Republic of Kazakhstan dated June 30, 2021

- "Regulations on the procedure and procedures for the development of educational programs programs of JSC YUKMA dated 05/29/2019

- Internal regulatory documents of JSC SKMA.

5. Field of professional activity:

the field of professional activity of graduates who have mastered the educational program 7R01128 Otorhinolaryngology (adult, children's) includes protecting the health of citizens by providing otorhinolaryngological care to patients.

6. Objects of professional activity:

- organization of the health department;
- organization of education;
- organization of social protection;
- patients with pathology of ENT organs;
- a set of tools and technologies aimed at creating conditions for public health protection.

Types of professional activity:

- therapeutic, preventive and diagnostic;
- organizational and managerial;
- scientific research.



Surgery-1 department

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General information

№	Characteristics of educational programs	Data
1	Registration number	7R09100148
2	The code and classification of the field of education	7R01 Healthcare (medicine)
3	The code and classification of training areas	7 R011 Healthcare
4	Group of educational programs	R 028 Otorhinolaryngology for adults, children
5	Code, name of the educational program	7R01128 Otorhinolaryngology for adults, children
6	Type of educational program	Updated educational program
7	ISCED Level	7
8	The level of the NRK	7
9	ORC Level	7
10	Distinctive features of the educational program	No
11	List of competencies	<p>CC1. Medical knowledge: Synthesis of professional and scientific medical knowledge to provide qualified medical assistance</p> <p>CC2. Communication: Effectively interact with the patient, his environment, and healthcare professionals in order to achieve the best results for the patient</p> <p>CC3. Clinical skills: Implementation of qualified medical care of the basic category of complexity. Defining a strategy for providing qualified medical care to the population of the second category of complexity</p> <p>CC4. Professionalism: Coordination of activities in healthcare organizations. The ability to make decisions and be responsible for the result of providing qualified medical care</p> <p>CC5. Personal and professional development: The ability to learn independently and train other members of a professional team, actively participate in discussions, conferences and other forms of continuous professional development</p> <p>CC6. Regulatory and legal knowledge: The ability to act within the legal and organizational framework of the healthcare system of the Republic of Kazakhstan</p> <p>CC7. Research: The ability to research and evaluate the results of their professional activities, the application of principles of diagnosis of diseases based on scientific data.</p>

		The application of modern research methods in healthcare, taking into account bioethics, and the introduction of clinical practice.
12	Learning outcomes	<p>LO1 is able to formulate a clinical diagnosis, prescribe a treatment plan and evaluate its effectiveness based on evidence-based practice at all levels of medical care</p> <p>LO2 is able to effectively interact with otorhinolaryngological patients, their environment, and healthcare professionals in order to achieve the best results for the patient</p> <p>LO3 is able to assess risks and use the most effective methods to ensure a high level of safety and quality of otorhinolaryngological care.</p> <p>LO4 is able to act within the legal and organizational framework of the healthcare system of the Republic of Kazakhstan in providing otorhinolaryngological care, provide basic assistance in emergency situations, work as part of interprofessional teams to implement a policy of strengthening the health of the nation</p> <p>LO5 is able to formulate adequate research questions, critically evaluate professional literature, effectively use international databases in the activities of an otorhinolaryngologist, and participate in the work of a research team</p> <p>LO6 is able to study independently and train other members of the professional team, actively participate in discussions, conferences and other forms of continuous professional development. Spos is able to work independently in a professional electronic health care system.</p>
13	The form of education	Full-time
14	The language of instruction	Kazakh, Russian
15	Volume of loans	210
16	The duration of the training	3 years
17	Degree awarded, qualification	Otorhinolaryngologist
18	Availability of an appendix to the license for the direction of training	KZ 36LAA00011387
19	Availability of educational program accreditation	There are
	Name of the accreditation body	"INDEPENDENT ACCREDITATION AND RATING AGENCY"
	The validity period of the accreditation	AB 351627.05.2021. - 26.05.2026
20	Information about the disciplines	Application 1.2



Application 1.1

The matrix of correlation of learning outcomes according to the educational program as a whole with the competencies being formed

	LO 1	LO 2	LO 3	LO 4	LO 5	LO 6
CC1	+		+		+	
CC2		+		+		+
CC3	+		+	+		
CC4	+	+	+	+		
CC5		+			+	+
CC6			+	+		+
CC7	+		+		+	+

Application 1.2


Competency/Learning Outcomes Achievability Matrix

№	Name of the discipline	A brief description of the discipline	Cycle	Component	Number of credits	Generated learning outcomes (codes)
1	Emergency otorhinolaryngology	Modern highly specialized methods of diagnosis and treatment of emergency conditions of the ENT organs. Injuries to the nose and paranasal sinuses. Nosebleeds. Methods of stopping nosebleeds. Injuries to the pharynx and larynx. Injuries to the organ of hearing and vestibular apparatus. Foreign bodies of ENT organs. Emergency care in emergency otorhinolaryngology.	SD	RC	4	LO1 LO2 LO4
2	Anesthesiology and intensive care	Anesthesia. Preparation of the patient for anesthesia. Premedication, goals and means. Types of anesthetics. Regional methods of anesthesia. Combined and combined types of anesthesia. Infusion therapy in the postoperative period, during surgery, parenteral nutrition. Blood transfusion. Features of the early postoperative period. Therapeutic anesthesia. Intensive care and intensive care for life-threatening syndromes. Acute respiratory failure.	SD	RC	6	LO3 LO4
3	Otorhinolaryngology outpatient adult's clinic	Organization and methodology of outpatient dispensary supervision, treatment and rehabilitation of patients after inpatient treatment. Accounting and evaluation of the effectiveness of medical examination. Qualified medical assistance in the diagnosis and treatment of acute and chronic diseases, injuries and superficial neoplasms of the ear, throat and nose. Outpatient care in otorhinolaryngology	SD	RC	15	LO1 LO2 LO4
4	Otorhinolaryngology in the adult hospital	Modern scientific achievements in the field of otorhinolaryngology. Organization of the work of the children's department of	SD	RC	45	LO1 LO2

		otorhinolaryngology. Mastering diagnostic and treatment methods, including surgical interventions in pathology of ENT organs. Injuries and chronic diseases of the ENT organs to the extent necessary for the independent work of an adult hospital ENT doctor.				LO6
5	Otorhinolaryngology in the childrens hospital	Organization and methodology of dispensary supervision. Accounting and evaluation of the effectiveness of medical examination. Modern scientific achievements in the field of pediatric otorhinolaryngology. Diagnostic and therapeutic manipulations in outpatient settings for diseases of the ENT organs of childhood. Outpatient care.	SD	RC	15	LO1 LO2 LO6
6	Otorhinolaryngology in the children's hospital	Modern scientific achievements in the field of pediatric otorhinolaryngology. Organization of the work of the children's department of otorhinolaryngology. Mastering diagnostic and treatment methods, including surgical interventions in pathology of ENT organs. Injuries and chronic diseases of the ENT organs to the extent necessary for the independent work of an ENT doctor in a children's hospital.	SD	RC	45	LO1 LO2 LO6
7	ENT oncology	Theoretical and clinical training of practical skills in diagnosis and treatment, by modern methods, of neoplasms of the upper respiratory tract and ear, in the conditions of ENT and oncological hospitals and polyclinics. Mastering modern laboratory, invasive and non-invasive methods of examination, differential diagnosis of neoplasms of the upper respiratory tract and ear. The study of modern innovative methods of treatment of patients with neoplasms of the upper respiratory tract and ear.	SD	RC	10	LO1 LO2 LO6
8	Functional endoscopic rhinosinus surgery	Modern methods of treatment and rehabilitation in the field of endoscopic rhinosinus surgery. Methods of diagnosis and surgical interventions in the pathology of the nose and paranasal sinuses to the extent necessary for the independent work	SD	RC	15	LO2 LO3 LO6


		of an ENT doctor in adult and pediatric hospitals. Implementation of qualified medical surgical care by modern methods of endoscopic surgical care for various conditions and diseases in rhinology requiring surgical intervention.				
9	Phoniatry	Functional dysphonia and aphonia. Diagnosis, treatment and prevention of acute or exacerbation of chronic laryngitis, nodules, polyps, vocal fold cysts, paresis and laryngeal paralysis, laryngeal papillomatosis. Early diagnosis of precancerous diseases and malignant neoplasms of the larynx Restoration of vocal function in patients after surgical treatment of chronic laryngeal stenosis. Modern high-tech methods of diagnosis and treatment, as well as surgical interventions for diseases of the vocal organs and injuries of the neck organs. Surgical and conservative methods of treatment in phoniatry. Phonopedia	SD	RC	10	LO1 LO2 LO6
10	Otoneurology	Diseases caused by a violation of the nervous system of the inner ear and adjacent anatomical formations, as well as diseases of the nervous system of the ear, throat, nose. The history of the origin of otoneurology as a separate field.	SD	RC	10	LO1 LO2 LO6
11	Ear Microsurgery	Modern scientific achievements and methods of treatment in the field of ear microsurgery. Mastering modern diagnostic methods and qualified medical surgical care for hearing pathology, to the extent necessary for the independent work of an ENT doctor in adult and children's hospitals. Rehabilitation of deaf patients by surgical methods.	SD	RC	10	LO2 LO3 LO6
12	Audiology	Organization of surdological assistance to the population of the Republic of Kazakhstan. Newborn screening, medical examination, medical rehabilitation. A specialized examination technique for hearing impaired patients. Audiometry. Impedance measurement. KSVP. Highly qualified methods of conservative and surgical treatment of various pathologies of the middle and inner ear. Auditory prosthetics. Cochleimplantation.	SD	RC	15	LO1 LO2 LO6

		Social rehabilitation.				
13	Rhinology	Semiotics of rhinological diseases. Endoscopic methods of examination and treatment of nasal and paranasal cavities. Acute and chronic diseases of the nasal and paranasal cavities. Hyposmia, anosmia. Injuries and foreign bodies of the nasal and paranasal cavities. Emergency care in rhinology.	SD	RC	4	LO1 LO2 LO6
14	Otology	Modern scientific achievements in the field of otorhinolaryngology; knowledge of diagnostic and treatment methods, including surgical ones, for hearing pathology to the extent necessary for the independent work of an ENT outpatient and hospital doctor. Chronic purulent and non-purulent diseases of the middle ear and inner ear.	SD	RC	4	LO1 LO2 LO6
	Totally				208	
	FINAL CERTIFICATION				2	
	Total				210	

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A matrix for achieving learning outcomes using various learning methods

Learning result (codes)	Teaching and learning methods
LO 1. He is able to formulate a clinical diagnosis, prescribe a treatment plan and evaluate its effectiveness based on evidence-based practice at all levels of otorhinolaryngological care	Analysis of the material, feedback from the resident Modeling situations Maintaining medical records
LO 2 He is able to effectively interact with the patient, his environment, and ENT specialists in order to achieve the best results for the patient.	A long-lasting case A reflective diary
LO 3 He is able to assess risks and use the most effective methods to ensure a high level of safety and quality of rhinolaryngological care.	Supervision of clinical work
LO 4 He is able to act within the legal and organizational framework of the healthcare system of the Republic of Kazakhstan within the framework of the specialty "Otorhinolaryngology (adult, children's)", provide basic assistance in emergency situations, work as part of interprofessional teams to implement the policy of strengthening the health of the nation.	Standardized patients Video recordings (discussion, evaluation) Supervision of clinical work Maintaining medical records
LO 5 He is able to formulate adequate research questions, critically evaluate professional literature, effectively use international databases in the daily activities of the obstetric and gynecological field, and participate in the work of the research team.	Writing theses and articles, Public appearances
LO 6 He is able to study independently and train other members of the professional team, actively participate in discussions, conferences and other forms of continuous professional development within the framework of "Otorhinolaryngology".	Monitoring

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The matrix of compliance of learning outcomes with assessment methods

Learning outcomes (codes)	Assessment methods
LO 1 He is able to formulate a clinical diagnosis, prescribe a treatment plan and evaluate its effectiveness based on evidence-based practice at all levels of otorhinolaryngological care.	Testing Oral Essay Survey (short and long). The short answer
LO 2 He is able to effectively interact with the patient, his environment, and specialists of the otorhinolaryngological service in order to achieve the best results for the patient.	OSCE (with skill check stations) Mini Clinical Exam Keeping diaries
LO 3 He is able to assess risks and use the most effective methods to ensure a high level of safety and quality of otorhinolaryngological care.	Analysis of records in the medical history Analysis of the records of the doctor's activities Analysis of prescribed treatments
LO 4 He is able to act within the framework of the legal and organizational field of the healthcare system of the Republic of Kazakhstan within the framework of the specialty "Otorhinolaryngology for adults, children, provide basic assistance in emergency situations, work as part of interprofessional teams to implement the policy of strengthening the health of the nation.	Standardized patients Patient reviews Reviews from other residents Rating 360 ⁰
LO 5 He is able to formulate adequate research questions, critically evaluate professional literature, effectively use international databases in the daily activities of the otolaryngological field, and participate in the work of the research team.	Presentation Publications
LO 6 He is able to study independently and train other members of the professional team, actively participate in discussions, conferences and other forms of continuous professional development within the framework of "Otorhinolaryngology".	Portfolio Clinical records Self-assessment

Work plan for the entire period of study

The cycle of disciplines	The discipline code	Name of disciplines	Number of credits	Shared hours	Classroom	IWR		1 year of study /	2 years of study	3 years of study	Form Counter/	IC	
						IWRN	IWR						
PD	THE CYCLE OF CORE DISCIPLINES		208	6240									
	Required component		200	6000									
PD	DC	R-OAPV	Otorhinolaryngology outpatient adult	15	450	90	292	682	15			Exam	
		R - LO	ENT oncology	10	300	60	195	45			10	Exam	
		R - FON	Phoniatry	10	300	60	195	45		10		Exam	
		R - OTN	Otoneurology	10	300	60	195	45	10			Exam	
		R - SRD	Audiology	15	450	90	292	68			15	Exam	
		R - AR	Anesthesiology and intensive care	6	180	36	117	27			6	Exam	
		R - OAEB	Otorhinolaryngology outpatient children's clinic	15	450	90	292	68		15		Exam	
		R-OAPD	Otorhinolaryngology in the children's hospital	45	1350	270	877	203		45		Exam	
		R - FER	Functional endoscopic rhinosinus surgery	15	450	90	292	68			15	Exam	
		R - MU	Ear Microsurgery	10	300	60	195	45			10	Exam	
		R - OSV	Otorhinolaryngology in the adult hospital	45	1350	270	877	203	45			Exam	
		R - EO	Emergency otorhinolaryngology	4	120	24	78	18			4	Exam	
KV	Component of choice		8	240	48	156	36			8			

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	R-rng	Rhinology	4	120	24	78	18			4	Exam	
	R-OTO	Otology	4	120	24	78	18			4	Exam	
	In total		208	624	1248	4056	936					
PA	INTERMEDIATE CERTIFICATION											
IC	INTERMEDIATE CERTIFICATION		2	60						2		60
	In total		210	630	1248	4056	936	70	70	70		60