

JSC OF SOUTH KAZAKHSTAN MEDICINE ACADEMY

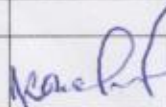


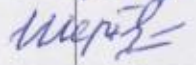


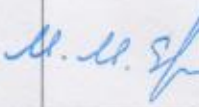


**SOUTH KAZAKHSTAN
MEDICAL
ACADEMY**

THE EDUCATIONAL PROGRAM OF THE RESIDENCY

7R01128 OTORHINOLARYNGOLOGY (ADULTS, CHILDREN)

The educational program of the residency 7R01128 "Otorhinolaryngologist of adults, children" was developed on the basis of the order of the Minister of Health and Social Development of the Republic of Kazakhstan dated July 4, 2022 No. KR DSM-63 "On approval of state general education standards for levels of education in the field of healthcare".

Post	Full name	Signature
Developed		
Teaching staff of the Department of Surgery		
Head of the Department, Acting Associate Professor, PhD	Zhumagulov K.N.	
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Resident of the educational program «Adult and pediatric Otorhinolaryngology»	Sheraeva A.	
Minutes of the meeting of the department № <u>6B</u> from « <u>25</u> » « <u>January</u> » 20 <u>24</u> .		
Discussed at the meeting of the CPC residency The Chairman of the SIW Protocol № <u>5</u> from « <u>26</u> » « <u>January</u> » 20 <u>24</u> .	Kulbaeva S.N.	
Approved by the Clinical Council Chairman of the Clinical Council Protocol № <u>8</u> from « <u>28</u> » « <u>January</u> » 20 <u>24</u> .	Kauyzbai J.A.	
Approved by the First Vice-Rector of SKMA, The first vice-rector of JSC SKMA Protocol № _____ from <u>30 January</u> 20 <u>24</u>	Yesirkepov M.M.	
Approved by the Academic Council Protocol № <u>14</u> from « <u>31</u> » « <u>01</u> » 20 <u>24</u> .		

<p>ONTUSTIK-KAZAKHSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ</p>		<p>SOUTH KAZAKHSTAN MEDICAL ACADEMY АО «Южно-Казахстанская медицинская академия»</p>
<p>Caphedra surgery</p>		<p>044-44 / 11 P ()</p>
<p>Educational program</p>		<p>3p. of 11</p>
<p>7R01128 Otorhinolaryngology (adults, children)</p>		

Passport of the educational program

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:

Regulatory 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. 2 with amendments and additions dated February 20, 2023 No. 66;

- 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 Minister of Health of the Republic of Kazakhstan "On approval of standard training programs in medical and pharmaceutical specialties" dated 09.01.2023 No. 4;

- 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 healthcare system" (with amendments and additions as of 04.07.2022);

- 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 technology of education" (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 YUKMA.

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.

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General information

№	EP purpose	Data
1	Registration number	7R09100148
2	Field of education	7R01 Healthcare (medicine)
3	Direction of personnel training	7R011 Healthcare
4	Group of educational programs	R028 Otorhinolaryngology for adults, children
5	Educational program	7R01128 Otorhinolaryngology (adults, children)
6	EP type	New EP
7	Level on NQF	7
8	Level on SQF	7
9	Level on ORC	7
10	EP distinctive features	No
11	List of competencies	<p>K1. Medical knowledge: Synthesis of professional and scientific medical knowledge to provide qualified medical assistance</p> <p>K2. Communication: Effectively interact with the patient, his environment, and healthcare professionals in order to achieve the best results for the patient</p> <p>K 3. 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>K 4. 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>K 5. 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>KK 6. 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>KK7. 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. The application of modern research methods in healthcare, taking into account bioethics, and the introduction of clinical practice.</p>
12	Educational outcome	<p>ON1 Patient Supervision: 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 for adults and child</p> <p>ON2 Communication and collaboration: able to effectively interact with the patient, their environment, and healthcare professionals in order to achieve the best results for the patient</p> <p>ON3 Safety and quality: able to assess risks and use the most effective methods to ensure a high level of safety and quality of otorhinolaryngological care.</p> <p>ON4 Public health: able to act within the legal and organizational framework of the health care system of the</p>


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		Republic of Kazakhstan in providing otorhinolaryngological assistance to provide basic assistance in emergency situations, work as part of interprofessional teams to implement the policy of strengthening the health of the nation. ON5 Research: able to formulate adequate research questions, critically evaluate professional literature, effectively use international databases in the activities of an otorhinolaryngologist, participate in the work of a research team. ON6 Training and development: able to train independently and train other members of a professional team, actively participate in discussions, conferences, and other forms of continuous professional development.
13	The form of education	Full-time
14	Language of education	russian, kazakh
15	Volume of the credits	210
16	Period of study	3 Year
17	Degree to be conferred	Otorhinolaryngologist of adults, children
18	The license number on the direction of training	KZ 36LAA00011387
19	Availability of OP accreditation	There are
	Name of the accreditation body	"INDEPENDENT ACCREDITATION AND RATING AGENCY"
	The validity period of the accreditation	AB 351627.05.2021 г. - 26.05.2026 г.
20	Information about the disciplines	Appendix 1.2

Appendix 1.2

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

	ON1	ON2	ON3	ON4	ON5	ON6
KK1	+		+		+	
KK2		+		+		+
KK3	+		+	+		
KK4	+	+	+	+		
KK5		+			+	+
KK6			+	+		+
KK7	+		+		+	+

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The matrix of achievability of competencies/learning outcomes

№	Name of the discipline	A brief description of the discipline	Cycle (DB, PD)	Component (OK, VK, KV)	Number of credits	Generated learning outcomes (codes)
1	Emergency otorhinolaryngology	Modern highly specialized methods of diagnostics and treatment of urgent conditions of ENT organs. Injuries to the nose and paranasal sinuses. Nosebleed. Injuries to the pharynx and larynx. Injuries of the hearing organ and vestibular apparatus. Foreign bodies of ENT organs.	PD	MC	4	ON1 ON2 ON4
2	Anesthesiology and resuscitation	Anesthesia Preparing the patient for anesthesia. Premedication, goals and means. Types of anesthetics. Regional anesthesia methods. Combined and combined types of anesthesia. Infusion therapy in the postoperative period, during surgery, parenteral nutrition. Hemotransfusion. Features of the early postoperative period. Medical anesthesia. Intensive therapy and resuscitation in life-threatening syndromes. Acute respiratory failure.	PD	MC	6	ON3 ON4
3	Ambulatory-clinic otorhinolaryngology, adult	Organization and methods of dispensary supervision. Accounting and evaluation of the effectiveness of medical examinations. Highly qualified assistance in the treatment of acute and chronic diseases, injuries and superficial neoplasms of ENT organs. Modern diagnostic and therapeutic manipulations in outpatient settings.	PD	MC	15	ON1 ON2 ON4
4	Otorhinolaryngology in the hospital adult	Modern scientific achievements in the field of otorhinolaryngology; development of methods of diagnosis and treatment, including surgical interventions in the pathology of ENT organs. Injuries and chronic diseases of ENT organs to the extent necessary for independent work of an ENT doctor in an adult hospital.	PD	MC	45	ON1 ON2 ON6
5	Ambulatory-clinic otorhinolaryngology, pediatric	Organization and methods of dispensary supervision. Accounting and evaluation of the effectiveness of medical examinations. Modern scientific achievements in the field of pediatric otorhinolaryngology. Diagnostic and therapeutic manipulations in outpatient settings for diseases of ENT organs of children. Outpatient care	PD	MC	15	ON1 ON2 ON6
6	Otorhinolaryngology in a children's hospital	Structure and organization of children's otorhinolaryngological hospital. Modern scientific achievements in the field of pediatric otorhinolaryngology; development of methods of diagnosis and treatment, including surgical interventions, in the pathology of ENT organs, to the extent necessary for independent work of an ENT doctor in a children's hospital.	PD	MC	45	ON1 ON2 ON6
7	Otolaryngology-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	PD	MC	10	ON1 ON2 ON6



		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.				
8	Functional endoscopic rhinosinus surgery	Modern methods of treatment and rehabilitation in the field of endoscopic rhinosinus surgery; Methods of diagnosis and surgical interventions for pathology of the nose and paranasal sinuses to the extent necessary for the independent work of the ENT specialist in an adult and children's hospital	PD	MC	15	LO2 LO3 LO6
9	Phoniatry	Modern high-tech methods of diagnostics, prevention and surgical interventions for diseases of the vocal organs and injuries of the neck, as well as ways to correct the tone/intensity in the desired direction. Surgical and conservative methods of treatment in phoniatry. Vinopedia. Videostro	PD	MC	10	LO1 LO2 LO6
10	Otoneurology	Diseases caused by a violation of the nervous apparatus of the inner ear and adjacent anatomical formations. Methods of diagnosis and treatment, including surgical interventions, for pathology of the external, middle and inner ear (including the vestibular apparatus). Injuries of the outer and middle ear. Hearing-improving operations.	PD	MC	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.	PD	MC	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	PD	MC	15	LO1 LO2 LO6

methods of conservative and surgical treatment of various pathologies of the middle and inner ear. Auditory prosthetics. Cochleoimplantation. Social rehabilitation.

The cycle of core disciplines
Component of choice

1	Neoplasms of the upper respiratory tract and ear	Theoretical and clinical training of practical skills in diagnosis and treatment, by modern methods, of neoplasms of the upper respiratory tract and ear, in 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. Modern innovative methods of treatment of patients with neoplasms of the upper respiratory tract and ear.	PD	OC	4	LO1 LO2 LO6
	Head and neck tumors	Modern scientific achievements in the field of head and neck oncology. Mastering modern innovative methods of combined treatment, including surgical, of neoplasms of the organs of the head and neck to the extent necessary for independent work in ENT and oncological hospitals and polyclinics. Mastering modern laboratory, invasive and non-invasive examination methods, differential diagnosis of head and neck tumors.	PD	OC		LO1 LO2 LO6
	Otosurgery	Modern scientific achievements and methods of treatment in the field of ear surgery. Mastering modern diagnostic methods of 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	PD	OC		LO2 LO3 LO5
2	Rhinology	Semiotics of rhinological diseases. Endoscopic methods of examination and treatment of the nose and paranasal sinuses. Acute and chronic diseases of the nose and paranasal sinuses. Hyposmia, anosmia. Injuries and foreign bodies of the nose and paranasal sinuses. Nosebleed. Emergency care for diseases of the nose and paranasal sinuses.	PD	OC	4	LO1 LO2 LO6

	Otology	Modern scientific achievements in the field of otorhinolaryngology; mastering methods of diagnosis and treatment, including surgical interventions, in the pathology of the external, middle and inner ear (including the vestibular apparatus), to the extent necessary for the independent work of an ENT doctor of the outpatient service and hospital. External and middle ear injuries (auricle hematoma, posttraumatic otitis externa, posttraumatic perforation of the eardrum). Hearing-improving operations.	PD	OC		LO1 LO2 LO6
	Totally				208	
	FINAL CERTIFICATI ON				2	
	Total				210	

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	Writing theses and articles. Public appearances

international databases in the daily activities of the obstetric and gynecological field, and participate in the work of the research team.	
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

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								
		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 Phoniatriy	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	
		Component of choice	8	240	48	156	36			8		
		R-Otsg Otosurgery										
		R-HNT Head and neck tumors	4	120	24	78	18			4	Exam	
		R-NUTE Neoplasms of the upper respiratory tract and ear										
		R- Oto Otology	4	120	24	78	18			4	Exam	
		R-rng Rhinology										
		In total	208	6240	1248	4056	936					
PA		INTERMEDIATE CERTIFICATION										
IC		INTERMEDIATE CERTIFICATION	2	60						2		60
		In total	210	6300	1248	4056	936	70	70	70		60