



EDUCATIONAL PROGRAM OF RESIDENCY
7R01136
«GENERAL SURGERY»

The educational program of the residency 7R01136 "General Surgery" was developed by the Department of General Surgery. Head of the Department, Associate Professor Zhumagulov K.N. Protocol № 11 or «25» 06 2025v. Representative of practical healthcare: Deputy Chief Physician on the surgical part, City Clinical Hospital No. 1 Sadykov T.K. Discussed at the meeting of the Surgical Attestation Commission Chairman of the Attestation Commission, Associate Professor Kaldygozova G.E. Protocol № 4 от « 24 » 04 2025y. Approved by the Clinical Council Chairman, Professor

2025y.

Nurmashev B.K.

Approved by the Academic Council Protocol № 13 or « D2 » 05 2025y.

Protocol № 8 or «25» 04

SOUTH KAZAKHSTAN MEDICAL ACADEMY

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### Educational program passport

1. The mission of the educational program: To be a recognized leader in the training of highly specialized, competitive surgeons.

Duration of study: 2 years

Qualification awarded upon completion of study - doctor-surgeon.

- 2. The purpose of the educational program: Training of a highly qualified specialist doctor-surgeon who independently provides qualified medical care for various conditions and diseases that require surgical accommodation.
- 3. Rationale for the educational program: Achieving a high quality of postgraduate medical education by presenting mandatory requirements for the level of training of students in residency in surgery; Regulation of the educational process and the creation of a system for monitoring the effectiveness of the work of educational and scientific organizations that train residents in surgery; Streamlining the rights and responsibilities of students in residency, stimulating independent educational and practical activities of residents in surgery; ensuring the integration of practice and theory; to consolidate the skills of basic medical diagnostic and preventive interventions; improvement of practical skills according to modern principles of early, differential diagnosis, interpretation of the results of the examination from the standpoint of evidence-based medicine, treatment and prevention of surgical diseases using surgical methods; to teach to comply with the requirements of medical ethics and deontology when conducting expert, preventive and therapeutic and diagnostic measures.

### 4. The professional standard on the basis of which the educational program was developed:

- Order of the Minister of Health of the Republic of Kazakhstan dated 07/04/2022 No. KR DSM-63 "On the approval of state mandatory standards for the levels of education in the field of healthcare";
- The Professional standard "General Surgery" (Order of the Minister of Health of the Republic of Kazakhstan dated January 25, 2024 No. 46 "On approval of professional standards in the field of healthcare".
- On amendments and additions to the Order of the Minister of Health of the Republic of Kazakhstan "On Approval of the list of medical specialties of residency programs" dated May 25, 2021 No. KR DSM - 43 and "On Approval of standard training programs in medical and pharmaceutical specialties" dated January 9, 2023 No. 4. (Order of the Minister of Health of the Republic of Kazakhstan dated 10 November 2023, No. 164).
- **5.** Area of professional activity: development of the educational program 7R01136 General surgery includes the provision of surgical care to the population at the prehospital and hospital levels.
- **6. Objects of professional activity:** Medical organizations providing inpatient and outpatient care, healthcare systems of the Republic of Kazakhstan

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### General information

| No | Characteristics of EP                             | Data   |
|----|---|--|
| 1  | Registration number                               | 7R09100125   |
| 2  | Code and classification of the field of education | 7R01 Health (medicine)   |
| 3  | Code and classification of areas of study         | 7R011 Health care  |
| 4  | Group of educational programs                     | R036 General surgery   |
| 5  | Code and name of the educational program          | 7R01136 General surgery  |
| 6  | OP type   | Updated EP   |
| 7  | ISCED level                                       | 7  |
| 8  | NQF level   | 7  |
| 9  | ORC level   | 7  |
| 10 | Distinctive features of the EP                    | compiled according to the professional standard  |
|    | Partner HEI (JEP)                                 | No   |
|    | Partner HEI (Double degreeEP)                     | No   |
| 11 | List of competencies                              | CC1. Patient supervision: 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.  CC 2. Communication and collaboration: He is able to effectively interact with the patient, his environment, and healthcare professionals in order to achieve the best results for the patient.  CC 3. Safety and quality: He is able to assess risks and use the most effective methods to ensure a high level of safety and quality of medical care.  CC 4. Public health: He is able to act within the legal and organizational framework of the healthcare system of the Republic of Kazakhstan in his specialty, provide basic assistance in emergency situations, and work as part of interprofessional teams to implement national health promotion policies.  CC 5. Researches: He is able to formulate adequate research questions, critically evaluate professional literature, effectively use international databases in his daily activities, and participate in the work of a research team.  CC 6. Training and development: He is able to study independently and train other members of a professional team, actively participate in discussions, conferences and other forms of continuous professional development. |
| 12 | Learning Outcomes                                 | LO1. He is able to act within the legal and organizational framework of the healthcare system of the Republic of   |

## ONTUSTIK-QAZAQSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ

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|    |  | Kazakhstan in his specialty, provide basic surgical care in emergency situations, provide primary and secondary prevention of surgical diseases in patients, and work as part of interprofessional teams to implement national health promotion policies.  LO2. able to effectively interact with the patient, their environment, and healthcare professionals in order to achieve the best results for the patient  LO3. able to assess risks and use the most effective methods to ensure a high level of safety and quality of medical care.  LO4. able to train independently and train other members of a professional team, actively participate in discussions, conferences, and other forms of continuous professional development.  LO5. He is able to formulate adequate research questions, critically evaluate professional literature, effectively use international databases in his daily activities, participate in the work of the research team, participate in the management of medical documentation, medical and statistical information using artificial intelligence.  LO6. Formulate a clinical diagnosis, prescribe a treatment plan, and evaluate its effectiveness based on evidence- |
|----|--|---|
| 13 | Form of study  | based practice in highly specialized surgical care. full-time   |
| 14 | Language of instruction  | Kazakh and Russian  |
| 15 | Volume of credits  | 210   |
| 16 | Period of training   | 3 year  |
| 17 | Awarded qualification  | Doctor-surgeon  |
| 18 | Availability of an application to the license for the direction of personnel training  | KZ36LAA00011387   |
| 19 | Availability of EP accreditation   | Yes   |
|    | Name of the accreditation body   | NM «Independent Accreditation and Rating Agency»  |
|    | Validity of accreditation  | № AB 3985<br>Residency 10.06.2022 -09.06.2027   |
| 19 | Information about disciplines  | Application 1.2   |
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## Application 1.1 Matrix of correlation of educational program results with competencies to be formed

|     | LO1 | LO2 | LO3 | LO4 | LO5 | LO6 |
|-----|-----|-----|-----|-----|-----|-----|
| CC1 | +   |     | +   |     | 100 | LO  |
| CC2 |     | +   |     | +   | +   |     |
| CC3 | +   |     | +   | +   |     | +   |
| CC4 | +   | +   | +   | +   |     |     |
| CC5 |     | +   |     |     | 4   | -   |
| CC6 |     |     | +   | 4   | 7   | +   |

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## Application 1.2

## Competency/Learning Outcomes Achievability Matrix

| N2 | Name of the discipline | Brief description of the discipline   | Cycle<br>(PD) | Component<br>(MC) | Number<br>of<br>credits | Formed<br>learning<br>outcomes<br>(codes) |
|----|------------------------|---|---------------|-------------------|-------------------------|---|
|    |                        | CYCLE OF PROFILIN   |               | PLINES            |                         |   |
| 1  | Elective surgery       | Formation of knowledge, skills in clinics and surgical diseases of the esophagus, stomach, intestine and rectum, hepatobyllic zone, mediastinum and diaphragm, parasitic diseases, blood and endocrine system, abdominal hernia, metabolic syndrome and obesity. Surgical treatment with application of scientific research and knowledge of evidence-based medicine in practical | PD            | MC                | 58                      | LO2<br>LO4<br>LO6                         |
| 2  | Emergency surgery      | based medicine in practical practices and research. Prevention of work.   |               | MC                | 60                      | LO1<br>LO2<br>LO6                         |
| 3  | Purulent surgery       | Formation of knowledge,<br>skills in the diagnosis of<br>purulent-inflammatory<br>diseases of the skin and  | PD            | MC                | 32                      | LO2<br>LO4<br>LO6                         |

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|   |                       | soft tissues, purulent-septic signs of surgical disease of internal organs, clinical-laboratory and instrumental diagnostics, skills in differential diagnosis, diagnosis, prescription of surgical treatment using scientific research and knowledge of evidence-based medicine in practical practices and research.   |    |    |    |                   |
|---|-----------------------|---|----|----|----|-------------------|
| 4 | Surgery in the clinic | Develops knowledge, skills and practical skills for independent diagnostic, therapeutic and preventive measures in outpatient surgery. Clinical oral injections. Surgical care with the application of scientific research and knowledge of evidence-based medicine in practical practices and research.  | PD | MC | 16 | LO2<br>LO3        |
| 5 | Thoracic surgery      | Deepening theoretical knowledge on modern high-tech methods of diagnostics and surgical interventions for surgical diseases and injuries of the chest organs. Mastering the practical skills necessary for the development of new operations by residents, able to successfully independently solve problems in professional activities, to be well oriented in an effort to deepen knowledge of related disciplines. | PD | MC | 8  | LO2<br>LO4<br>LO6 |
| 6 | Children's surgery    | As development progresses, the resident will gradually determine the definition, etiology, pathogenesis, clinic of  | PD | MC | 8  | LO2<br>LO4<br>LO6 |

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|   |                                 | surgical disease in children, examination, diagnosis, determination of conservative treatment, based on the obtained basic knowledge. Surgical treatment using scientific research and knowledge of evidence-based medicine. Able to independently and successfully solve professional problems and master the professional sphere, possessing developing thinking.   |    |    |   |                   |
|---|---------------------------------|---|----|----|---|-------------------|
| 7 | Gastroenterology with endoscopy | Develops knowledge and skills in modern highly specialized endoscopic methods for diagnosing pathology of the esophagus, stomach, small and large intestine, biliary tract, bleeding from the digestive tract, foreign bodies of the digestive system. Endoscopic equipment and instruments. Prescriptions and contraindications for the use of minimally invasive technologies in emergency and elective surgery. Scientific research and knowledge of evidence-based medicine. Robotic artificial intelligence systems for minimally invasive examinations of internal organs. The use of digital tools in healthcare; work in a research team; in the management of medical documentation and medical statistical information. | PD | MC | 5 | LO3<br>LO5        |
| 8 | Traumatology                    | Formation of knowledge<br>and skills on general issues<br>of organizing   | PD | MC | 5 | LO2<br>LO4<br>LO6 |

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|    |                                  | traumatological and orthopedic care in the Republic of Kazakhstan, etiology, pathogenesis, clinical symptoms, knowledge of the main traumatological diseases, their prevention, treatment for fractures of tubular bones and spine.  Emergency care for traumatological and orthopedic diseases.  Treatment from the standpoint of evidence-based medicine.                                 |    |    |   |                   |
|----|----------------------------------|---|----|----|---|-------------------|
| 9  | Urology                          | Semiotics of urological diseases. Endoscopic methods of examination and treatment.  Nephrolithiasis. Acute and chronic diseases of the prostate gland, appendages of the testicle. Emergency urology. Acute and chronic renal failure. Hydrocele, spermatocele. Varicocele. Neoplasms of the genitourinary system.  Parasitic diseases of the genitourinary organs. Infertility, impotence. | PD | MC | 5 | LO2<br>LO4<br>LO6 |
| 10 | Anesthesiology and resuscitation | Formation of residents' knowledge of anesthesiology and resuscitation in surgery. Rules for conducting infusion and transfusion therapy during anesthesia. The ability to control breathing and blood circulation, diagnose various complications during anesthesia and surgery, diagnose circulatory arrest, perform resuscitation (CPR),  | PD | MC | 3 | LO1<br>LO3        |

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|   |   | diagnose brain death.   |            |     |     |            |
|---|---|---|------------|-----|-----|------------|
|   |   | Emergency surgical care   |            |     |     |            |
|   |   | using evidence-based  |            |     |     |            |
|   |   | medicine.   |            |     |     |            |
|   | Total   |   |            |     | 200 |            |
|   |   | The cycle of profile  | e discipli | nes |     |            |
|   |   | Optional com  | ponent     |     |     |            |
| 1 | Endovidolaparoscopic interventions in abdominal surgery | Formation of knowledge<br>on endovideolaparoscopic<br>interventions in abdominal  | PD         | OC  | 2   | LO3        |
|   |   | surgery. Principles of work<br>with endosurgical<br>equipment. Modern highly<br>specialized laparoscopic<br>surgery: peptic ulcer of the<br>stomach and duodenum,<br>hepatobiliary zone,    |            |     |     | LO5        |
|   |   | diseases of the spleen.  Laparoscopic appendectomy, removal of Meckel's diverticulum, laparoscopic resection of the small intestine.  Laparoscopic hernioplasty.                            |            |     |     |            |
|   |   | Scientific research and knowledge of evidence-based medicine. The use of digital tools in healthcare. Management of medical documentation and medical statistical information.              |            |     |     |            |
|   |   | Integration of various patient data sources, including electronic medical records, laboratory   |            |     |     |            |
|   |   | results, medical images,<br>and historical artificial<br>intelligence surgical<br>results.  |            |     |     |            |
| 2 | Interventional radiology in surgery                     | Formation of knowledge<br>on interventional radiology<br>in surgery. X-ray<br>endovascular interventions,<br>main types. Scientific<br>research and knowledge of<br>evidence-based medicine | PD         | OC  |     | LO3<br>LO5 |

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| To | otal<br>inal examination                            | chemotherapeutic and surgical methods for the treatment of tumors: head and neck, organs of the chest and abdominal cavities, genitourinary system, musculoskeletal system, hematopoietic system, skin. Clinical protocols of the Republic of Kazakhstan. Scientific research and knowledge of evidence-based medicine.        | PD | oc | 8 2 | LO3<br>LO5 |
|----|---|--|----|----|-----|------------|
| on | otal  | surgical methods for the treatment of tumors: head and neck, organs of the chest and abdominal cavities, genitourinary system, musculoskeletal system, hematopoietic system, skin. Clinical protocols of the Republic of Kazakhstan. Scientific research and knowledge of  | PD | oc | 8   |            |
| on |   | surgical methods for the treatment of tumors: head and neck, organs of the chest and abdominal cavities, genitourinary system, musculoskeletal system, hematopoietic system, skin. Clinical protocols of the Republic of Kazakhstan. Scientific research and knowledge of  | PD | OC |     |            |
|    | ctual problems of<br>acology and<br>diation therapy | Innovative high-tech<br>diagnostic methods in<br>oncology. Modern<br>radiation,  |    |    | 4   |            |
|    | ctual problems of bloproctology                     | Formation of knowledge on modern highly specialized methods of diagnosis, differential diagnosis and treatment in the field of coloproctology. Clinical protocols of the Republic of Kazakhstan. Scientific research and knowledge of evidence-based medicine in medical practices and research.                               | PD | OC |     | LO2<br>LO6 |
| su | ctual problems of argical andocrinology             | research.  Innovative methods of diagnosis and differential diagnosis and treatment of: type 1 and type 2 diabetes mellitus, complications of diabetes mellitus, diabetic foot syndrome, endocrine tumors of the pancreas, diseases of the parathyroid gland, obesity, metabolic syndrome, thyroid diseases, adrenal diseases. | PD | OC | 2   | LO2<br>LO6 |

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## Professional standard: "General Surgery"

| Profession card "7.2<br>General Surgeon"   | Mandatory labor functions:  | Outpatient admission of patients with a diagnosed surgical pathology and registered with a surgeon at a dispensary     Hospitalization of a patient with a surgical pathology in the appropriate department of a medical organization     Conducting medical examinations in relation to patients with surgical diseases.     Organization, implementation and control of the effectiveness of measures aimed at the prevention of surgical diseases.     Participation in the management of medical documentation, medical and statistical information  |
|--|---|--|
|  | Additional labor functions:   | Continuous professional development  |
| Labor function 1:<br>Outpatient admission of<br>patients with diagnosed<br>surgical pathology and<br>registered with a surgeon | Skill 1:<br>Outpatient examination<br>of patients with surgical<br>pathology. | Skills:  1. The skills of conducting an initial examination of a patient with suspected surgical pathology.  2. Skills in the reasoned appointment of diagnostic tests to a patient with suspected surgical pathology.  3. The ability to correctly interpret the results of diagnostic studies of the patient in case of suspected surgical pathology.  4. Skills of correct formulation of the diagnosis according to ICD-10 in the detection of surgical pathology.  5. Skills in assessing the level of functional insufficiency of an organ or system when a pathological process is detected in them  Knowledge: |
|  |   | 1. Knowledge of the sequence and scope of collecting information about the patient. 2. Knowledge of normal, topographic and pathological anatomy, normal and pathological physiology, biochemistry. 3. Knowledge of the structure and functions of organs and systems, assessment methods, and clinical significance. 4. Knowledge of the patient's examination methods  |

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|   | Skill 2: Diagnosis, treatment and prevention of diseases in patients with surgical pathology at the outpatient level. | Skills:  1. Timely identify complications in surgical practice.  2. Skills in prescribing outpatient treatment to a patient with surgical pathology.  3. Skills of medical examination of patients with surgical pathology.  4. To determine the indications for hospitalization of a patient with surgical pathology.  5. Timely inform stakeholders about cases of detection of severe, diagnostically unclear patients, rare pathological conditions.  6. Promptly identify and provide information to the relevant specialist or to the authorized body in the field of healthcare about the identified infectious diseases (emergency notification, late hospitalization). |
|---|---|---|
|   |   | Knowledge:  1. Knowledge of the main clinical symptoms and syndromes in surgery.  2. Knowledge of etiology, pathogenesis, classification, clinical manifestations, diagnosis and principles of treatment.  3. Knowledge of clinical protocols for the diagnosis and treatment of pregnant women.  4. Knowledge of the portal of the Bureau of hospitalization.  5. Knowledge of the patient registry.  6. Knowledge of clinical manifestations of infectious diseases, nosocomial infection.  |
| Labor function 2:<br>Hospitalization of a<br>patient with a surgical<br>pathology in the<br>appropriate department of<br>a medical organization | Skill 1:<br>Determination of<br>indications for planned<br>hospitalization of<br>patients with surgical<br>pathology  | Skills:  1. Skills in carrying out routine hospitalization of a patient in a day hospital.  2. Skills in carrying out planned hospitalization of a patient in a 24-hour hospital.  Knowledge:  1. Knowledge of the rules of working with the Portal of the Bureau of hospitalization.  2. Knowledge of the indications for the planned hospitalization of a patient in a day hospital.  |
|   | Skill 2:<br>Implementation of<br>dynamic monitoring of<br>patients with surgical<br>diseases.                         | Skills:  1. To conduct dynamic monitoring of patients with surgical diseases.  2. To monitor the treatment of patients with surgical diseases.  3. To ensure the continuity of supervision between the inpatient and outpatient stages of medical care.  Knowledge:  1. Principles of dynamic patient monitoring of patients with surgical diseases, including those who have undergone surgical interventions.  2. Terms of monitoring and criteria of treatment effectiveness.  |

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Planning and monitoring the effectiveness of medical rehabilitation of patients with surgical diseases.

#### Skills:

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- 1. To determine the medical indications for the medical rehabilitation of patients with surgical diseases.
- Determine medical indications for referring patients with surgical diseases to specialist doctors for prescribing and conducting medical rehabilitation measures.
- 3. Develop an action plan for the rehabilitation of patients with surgical diseases.
- Develop individual rehabilitation and habilitation programs for people with disabilities.
- 5. To monitor the effectiveness of medical rehabilitation.

### Knowledge:

- Fundamentals and methods of medical rehabilitation of patients with surgical diseases.
- Medical indications and medical contraindications for the medical rehabilitation of patients with surgical diseases.

### Skill 4:

Provision of emergency medical care to patients with surgical diseases.

#### Skills:

- To recognize conditions that pose a threat to life, including clinical death (arrest of vital functions of the human body (blood circulation and/or respiration), requiring emergency medical care.
- 2. Assess the cause and severity of patients' condition and take necessary measures to bring patients out of this condition.
- 3. Perform cardiopulmonary resuscitation measures.
- 4. Provide emergency medical care in conditions that pose a threat to life, including clinical death (stopping vital functions of the human body (blood circulation and/or respiration).
- 5. Use medicines and medical devices when providing emergency medical care.
- To evaluate the effectiveness and safety of the use of medicines and medical devices in the provision of emergency medical care.
- Identify critical conditions in surgical diseases in nonmedical settings

### Knowledge:

- 1. Clinical signs of sudden cessation of blood circulation and (or) respiration.
- 2. Cardiopulmonary resuscitation.
- Methods for detecting critical conditions in patients outside the medical organization.
- Methods of intensive care and resuscitation for surgical diseases in conditions outside the medical organization.

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"school" for patients with surgical diseases (school of

Principles of prevention of surgical diseases.
 Forms and methods of sanitary and educational work

on the formation of a healthy lifestyle.

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| Labor function 3:   | Skill 1:  | Skills:  |
|---|---|--|
| Conducting medical examinations in relation to patients with surgical diseases.   | Disability examination  | Formulate medical conclusions based on the results of the medical examination.     Identify signs of temporary disability and signs of persistent dysfunction of the human body caused by surgical diseases and the need for care when issuing sick leave for sick family members.     Refer patients with surgical diseases for medical and social examination.     Prepare the necessary medical documentation for patients with surgical diseases to undergo a medical and social examination.     Issue a disability certificate for patients with surgical diseases.  |
|   |   | Knowledge:  1. Order of the Minister of Health of the Republic of Kazakhstan dated November 18, 2020 No. KR DSM-198/2020 "On approval of the rules for conducting an examination of temporary disability, as well as issuing a sheet or certificate of temporary disability" (registered with the Ministry of Justice of the Republic of Kazakhstan on November 20, 2020 No. 21660).  2. Registration of medical documentation for the implementation of medicalsocial expertise.  3. Medical indications for referral of patients with persistent impairment of body functions caused by poisoning and its consequences for medical and social examination. |
| Labor function 4: Organization, implementation and control of the effectiveness of measures aimed at the prevention of surgical diseases. | Skill 1: Organizing, conducting and monitoring the effectiveness of measures aimed at preventing surgical diseases. | Skills:  1. To participate in the organization and conduct of events aimed at the prevention and early diagnosis of surgical diseases, injuries of the chest and abdominal cavity, the prevention of disability and mortality from them.  2. To develop and implement measures for sanitary and hygienic education of the population aimed at the formation of a healthy lifestyle and the prevention of surgical diseases.  3. Possess the skills of organizing and operating a   |

health). Knowledge:

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303/2020 "On Approval of the Rules for additional and non-formal education of healthcare Professionals,

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| Labor function 5:   | Skill 1:  | Skills:  |
|---|---|--|
| Participation in the management of medical documentation, medical and statistical information | Maintaining medical records, analyzing medical and statistical information, in accordance with the requirements of regulatory legal acts in the field of surgery. | 1. Plan your work and compile a report analyzing your own performance indicators. 2. Maintain medical records, including in electronic form, and monitor the quality of its management. 3. To analyze the medical and statistical indicators of the work of the specialized medical department. 4. Use patients' personal data and information in accordance with the law. 5. Use information systems in accordance with the established procedure.  |
|   |   | Knowledge:  1. Order of the Acting Minister of Health of the Republic of Kazakhstan dated October 30, 2020 No. KR DSM-175/2020 "On approval of Accounting Documentation forms in the field of healthcare, as well as instructions for completing them (registered with the Ministry of Justice of the Republic of Kazakhstan on November 4, 2020 No. 21579).  2. Order of the Minister of Health of the Republic of Kazakhstan dated December 22 2020 No. KR DSM-313/2020 "On approval of reporting forms in the field of healthcare" (registered with the Ministry of Justice of the Republic of Kazakhstan on December 23, 2020 No. 21879).  3. Order of the Minister of Health of the Republic of Kazakhstan dated December 10, 2020 No. KR DSM-244/2020 "On approval of the Rules for maintaining primary medical records and submitting reports" (registered with the Ministry of Justice of the Republic of Kazakhstan on December 11, 2020, No. 21761). |
|   |   | Electronic accounting and documentation systems.     Confidentiality of patients' medical information.     Fundamentals of medical statistics.   |
| Additional labor function 1: Continuous professional development                              | Skill 1:<br>Striving for professional<br>improvement  | Skills:  1. Participate in professional training events: conferences, seminars, webinars, advanced training courses.  2. Participate in academic and scientific activities. 3. Participate in the work of professional associations, committees, and working groups to discuss health issues and share experiences with colleagues.  |
|   |   | Knowledge: 1. Order of the Minister of Health of the Republic of Kazakhstan dated December 21, 2020 No. KR DSM-  |

ONTUSTIK-GAZAGSTAN -COLO MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ

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АО «Южно-Казахстанская медицинская академия»

General Surgery department

Educational program 7R01136 General Surgery

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|                                   |  | qualification requirements for organizations implementing educational programs for additional and non-formal education in the field of healthcare, as well as the rules for recognizing the learning outcomes obtained by healthcare professionals through additional and non-formal education (registered with the Ministry of Justice of the Republic of Kazakhstan on December 22, 2020 No. 21847).  2. Order of the Minister of Health of the Republic of Kazakhstan dated December 20, 2020 No. KR DSM-283/2020 "On approval of the rules for confirming the results of continuous professional development of healthcare workers" (registered with the Ministry of Justice of the Republic of Kazakhstan on December 22, 2020 No. 218433.  Opportunities for networking and communication with |
|-----------------------------------|--|--|
| Personal competence requirements: | Empathy Communication skills Tolerance and respect Collaboration and teamwork Stress resistance Reflection and introspection Compliance with professional ethics Openness and willingness to learn Activity and initiative Striving for professional development |  |

Head of the educational and methodological center



B.Z.Doltayeva