Документ подписан простой электро Виндон tarry institution of higher education

Информация о владельце: of the Khanty-Mansiysk Autonomous Okrug-Yugra

ФИО: Косенок Сергей Михайлович

"Surgut State University"

Должность: ректор

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APPROVED

Vice-Rector for Educational and Methodological Work

E.V. Konovalova

June 11th 2025, protocol № 5 of the EMC

EDUCATIONAL PRACTICE Educational practice, research work

work program (WP) of the discipline (module)

Assigned to the department Pathophysiology and general pathology

Syllabus (Sb) s310501-ЛечДелоИн-25-1.plx

31.05.01 General Medicine Specialization: General Medicine

Qualification **General Practitioner**

Form of education full-time

Total labor intensity 2 credit units (CU)

Hours according to the syllabus 72

including:

classroom sessions (CS) 32 independent work 40 Types of assessments – in semesters:

credits 10

Distribution of the discipline hours by semesters

| Semester | 10 (5.2) Total | | al | |
|--|----------------|------|------------|------|
| (<course>.<semester< td=""><td>17 2</td><td>2/6</td><td></td><td></td></semester<></course> | 17 2 | 2/6 | | |
| Weeks | curriculum | work | curriculum | work |
| Type of classes | 32 | 32 | 32 | 32 |
| Practical | 32 | 32 | 32 | 32 |
| Total aud. | 32 | 32 | 32 | 32 |
| Contact work | 40 | 40 | 40 | 40 |
| Self. work | 72 | 72 | 72 | 72 |

| The program was compiled by: |
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| MD Professor L.A. Naumova |
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| Work program of the discipline |
| Educational practice, research work |
| developed in accordance with the Federal State Educational Standard: |
| Federal State Educational Standard of Higher Education - Specialist in specialty 31.05.01 General Medicine (Order of the Ministry of Education and Science of Russia dated 12.08.2020 No. 988) |
| compiled on the basis of the syllabus: |
| 31.05.01 General medicine |
| Specialization: General medicine |
| approved by the educational and methodological council of the university on 11.06.2025, protocol No. 5. |
| The work program was approved at the Department of Pathophysiology and General Pathology meeting |
| The work program was approved at the Department of 1 autophysiology and General 1 autology meeting |

Head of the Department, Doctor of Medical Sciences Professor L.V. Kovalenko

1. THE AIM AND OBJECTIVES OF MASTERING THE DISCIPLINE

- 1.1 Obtaining primary knowledge, skills and abilities in conducting research work skills in independent planning, development and implementation of research work, development of analytical thinking for collecting, analyzing and systematizing scientific information and its evaluation, as well as the ability to present the results obtained, their practical application and readiness for their implementation in the professional field.
- 1.2 Objectives of educational practice, research work:
 - 1. To develop basic skills and abilities of research work: determining the relevance of the research topic, formulating the goal and objectives of the research, determining the sample size, determining the type of research, methods for solving the tasks, designing the research;
 - 2. To develop basic skills and abilities in the field of medical and biological statistics using computer technologies;
 - 3. To develop basic skills and abilities in systematization, description of the results obtained, formulation of conclusions;

| GE | P cycle (section): Б2.О. | .01 |
|--------|--|---|
| 2.1 | Requirements for preliminary | training of the student: |
| 2.1.1 | Obstetrics | |
| 2.1.2 | Gynecology | |
| 2.1.3 | Hospital therapy | |
| 2.1.4 | Hospital surgery, pediatric surge | ery |
| 2.1.5 | Dermatovenereology | |
| 2.1.6 | Pediatric gynecology | |
| 2.1.7 | Public health and healthcare. He | ealth care economics |
| 2.1.8 | Oncogynecology | |
| 2.1.9 | Perinatology | |
| 2.1.10 | Outpatient therapy | |
| 2.1.11 | Industrial practice, obstetric-gyr | necological practice |
| 2.1.12 | Industrial practice, general medi | ical practice |
| 2.1.13 | Psychiatry, medical psychology | |
| 2.1.14 | Phthisiology | |
| 2.1.15 | Infectious diseases | |
| 2.1.16 | Ophthalmology | |
| 2.1.17 | Occupational diseases | |
| 2.1.18 | Urology | |
| 2.1.19 | Endocrinology | |
| 2.1.20 | Immunology and allergology | |
| 2.1.21 | Foreign language in the professi | ional sphere |
| 2.1.22 | Neurology, medical genetics, ne | eurosurgery |
| 2.1.23 | Pediatrics | |
| 2.1.24 | Industrial practice, diagnostic pr | ractice |
| 2.1.25 | Industrial practice, therapeutic p | practice |
| 2.1.26 | Industrial practice, surgical prac | etice |
| 2.1.27 | Dentistry | |
| 2.1.28 | Faculty therapy | |
| 2.1.29 | Faculty surgery | |
| 2.1.30 | Clinical pathological physiology | y |
| 2.1.31 | Pathological syndromes in clinic | cal medicine |
| 2.1.32 | Topographic anatomy, operative | e surgery |
| 2.1.33 | Radiation diagnostics | |
| 2.1.34 | General surgery | |
| | Pathological anatomy | |
| | Pathophysiology | |
| | Industrial practice, practice for of level medical personnel | obtaining professional skills and experience of professional activity in the positions of m |
| 2.1.38 | Propaedeutics of internal disease | es |
| | Pharmacology | |
| 2 1 40 | Hygiene | |

| 2.2.9 2.2.10 2.2.11 2.2.12 2.2.13 2.2.14 2.2.15 2.2.16 2.2.17 2.2.18 2.2.19 2.2.20 2.2.21 | Oncogynecology Perinatology Industrial practice, obstetric-gynecological practice Psychiatry, medical psychology Anesthesiology, resuscitation, intensive care Clinical pathological anatomy Disaster medicine Medical rehabilitation Traumatology and orthopedics Clinical pharmacology Oncology, radiation therapy Preparation for and passing the state exam Cardiovascular surgery and functional diagnostics Forensic medicine Epidemiology |
|---|--|
| 2.2.9 2.2.10 2.2.11 2.2.12 2.2.13 2.2.14 2.2.15 2.2.16 2.2.17 2.2.18 2.2.19 2.2.20 2.2.21 | Perinatology Industrial practice, obstetric-gynecological practice Psychiatry, medical psychology Anesthesiology, resuscitation, intensive care Clinical pathological anatomy Disaster medicine Medical rehabilitation Traumatology and orthopedics Clinical pharmacology Oncology, radiation therapy Preparation for and passing the state exam Cardiovascular surgery and functional diagnostics Forensic medicine |
| 2.2.9 2.2.10 2.2.11 2.2.12 2.2.13 2.2.14 2.2.15 2.2.16 2.2.17 2.2.18 2.2.19 2.2.20 | Perinatology Industrial practice, obstetric-gynecological practice Psychiatry, medical psychology Anesthesiology, resuscitation, intensive care Clinical pathological anatomy Disaster medicine Medical rehabilitation Traumatology and orthopedics Clinical pharmacology Oncology, radiation therapy Preparation for and passing the state exam Cardiovascular surgery and functional diagnostics |
| 2.2.9 2.2.10 2.2.11 2.2.12 2.2.13 2.2.14 2.2.15 2.2.16 2.2.17 2.2.18 2.2.19 | Perinatology Industrial practice, obstetric-gynecological practice Psychiatry, medical psychology Anesthesiology, resuscitation, intensive care Clinical pathological anatomy Disaster medicine Medical rehabilitation Traumatology and orthopedics Clinical pharmacology Oncology, radiation therapy Preparation for and passing the state exam |
| 2.2.9 2.2.10 2.2.11 2.2.12 2.2.13 2.2.14 2.2.15 2.2.16 2.2.17 2.2.18 | Perinatology Industrial practice, obstetric-gynecological practice Psychiatry, medical psychology Anesthesiology, resuscitation, intensive care Clinical pathological anatomy Disaster medicine Medical rehabilitation Traumatology and orthopedics Clinical pharmacology Oncology, radiation therapy |
| 2.2.9 2.2.10 2.2.11 2.2.12 2.2.13 2.2.14 2.2.15 2.2.16 2.2.17 | Perinatology Industrial practice, obstetric-gynecological practice Psychiatry, medical psychology Anesthesiology, resuscitation, intensive care Clinical pathological anatomy Disaster medicine Medical rehabilitation Traumatology and orthopedics Clinical pharmacology |
| 2.2.9 2.2.10 2.2.11 2.2.12 2.2.13 2.2.14 2.2.15 2.2.16 | Perinatology Industrial practice, obstetric-gynecological practice Psychiatry, medical psychology Anesthesiology, resuscitation, intensive care Clinical pathological anatomy Disaster medicine Medical rehabilitation Traumatology and orthopedics |
| 2.2.9 2.2.10 2.2.11 2.2.12 2.2.13 2.2.14 2.2.15 | Perinatology Industrial practice, obstetric-gynecological practice Psychiatry, medical psychology Anesthesiology, resuscitation, intensive care Clinical pathological anatomy Disaster medicine Medical rehabilitation |
| 2.2.9 2.2.10 2.2.11 2.2.12 2.2.13 2.2.14 | Perinatology Industrial practice, obstetric-gynecological practice Psychiatry, medical psychology Anesthesiology, resuscitation, intensive care Clinical pathological anatomy Disaster medicine |
| 2.2.9 2.2.10 2.2.11 2.2.12 2.2.13 | Perinatology Industrial practice, obstetric-gynecological practice Psychiatry, medical psychology Anesthesiology, resuscitation, intensive care Clinical pathological anatomy |
| 2.2.9 2.2.10 2.2.11 2.2.12 | Perinatology Industrial practice, obstetric-gynecological practice Psychiatry, medical psychology Anesthesiology, resuscitation, intensive care |
| 2.2.9 2.2.10 2.2.11 | Perinatology Industrial practice, obstetric-gynecological practice Psychiatry, medical psychology |
| 2.2.9 2.2.10 | Perinatology Industrial practice, obstetric-gynecological practice |
| 2.2.9 | Perinatology |
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| | I Ou a a ayuna a a la ayu |
| | Public health and healthcare. Health care economics |
| | Children's gynecology |
| | Dermatovenereology |
| | Hospital surgery, pediatric surgery |
| | Hospital therapy |
| | Gynecology |
| | Obstetrics |
| | Disciplines and practices for which mastering this discipline (module) is necessary as a prerequisite: |
| | Digital literacy |
| | Theoretical foundations of studying patient care |
| | Russian language and culture of speech |
| | Introduction to professional activity. Ethics and deontology (bioethics) |
| | Educational practice, introductory practice in caring for patients of therapeutic and surgical profile |
| | Medical informatics |
| | Latin language |
| | History of medicine |
| | Human genetics |
| | Biology |
| | Life safety Distance |
| | Philosophy |
| | Physiological foundations of human adaptation in the North |
| | Teamwork Divide the state of t |
| | Histology, embryology, cytology |
| | Human anatomy |
| | Educational practice, research work (obtaining primary skills of research work) |
| 2 1 47 | assistant to mid-level medical personnel |
| 2.1.46 | Industrial practice, practice for obtaining professional skills and experience of professional activity in the positions of |
| 2.1.45 | Jurisprudence |
| 2.1.44 | Normal physiology |
| 2.1.43 | BiochemistryForeign language |
| | Adaptive and age-related physiology |
| 2.1.42 | Microbiology, virology |

UC-1.1: Analyzes the task, identifying its basic components

UC -1.2: Identifies and ranks the information required to solve the problem

UC -1.3: Searches for information to solve the assigned task using various types of requests

UC-6.1: Defines the tasks of self-development and professional growth, distributes them into long-, medium- and short-term ones with a justification of their relevance and determination of the necessary resources for their implementation

GPC-10.1: Demonstrates knowledge of the mathematical foundations of medical statistics to solve their professional

GPC--10.2: Assesses the quality of medical information obtained from open sources (portals and orders of the Ministry of Health of the Russian Federation; orders of regional health authorities; information, bibliographic resources, medical and biological information and communication database) taking into account the evidence and information security

GPC--11.1: Analyzes the information received, prepares and applies scientific, production, design, organizational, managerial and regulatory documentation in the healthcare system

GPC--11.2: Participates in scientific research and is ready to participate in the implementation of new methods and techniques aimed at protecting the health of citizens

GPC--11.3: Demonstrates readiness to analyze and publicly present medical information based on evidence-based medicine

PC-9.2: Presents medical information based on evidence-based medicine

PC-10.1: Participates in the implementation of new methods and techniques aimed at protecting the health of citizens

As a result of mastering the discipline, the student must

| 3.1 | Know: |
|-------|---|
| 3.1.1 | the main stages of scientific research activity; |
| 3.1.2 | the principles of analytical work with a scientific topic using the example of preparing a literature review, statistical analysis of a fragment of scientific data, i.e. how to formulate the goal of the work; the tasks that need to be solved to achieve this goal; how to design a study; |
| 3.1.3 | the mathematical foundations of medical statistics for solving your professional problems; |
| 3.1.4 | how to analyze the information received, prepare project, organizational, managerial and regulatory documentation |
| 3.1.5 | how to carry out this research, obtain results, analyze data, draw conclusions; |
| 3.1.6 | how to present the obtained data in the form of a descriptive work (literature review, scientific report) and a presentation (for public defense and discussion). |
| 3.2 | Be able to: |
| 3.2.1 | main stages of scientific research activity; |
| 3.2.2 | principles of analytical work with a scientific topic using the example of preparing a literature review, statistical analysis of a fragment of scientific data, i.e. how to formulate the goal of the work; tasks that need to be solved to achieve this goal; how to design a study; |
| 3.2.3 | conduct a search for information to solve the assigned task for various types of requests; |
| 3.2.4 | assess the quality of medical information obtained from open sources (portals and orders of the Ministry of Health of the Russian Federation; orders of regional health authorities; information, bibliographic resources, medical and biological information and communication database) taking into account the evidence and information security requirements; |
| 3.2.5 | select statistical analysis methods, present medical information based on evidence-based medicine; |
| 3.2.6 | analyze (interpret) the results obtained, draw conclusions and present research results (report, presentation) in oral and written forms during business communication in Russian and foreign languages; |
| 3.2.7 | draw conclusions and present research results (report, presentation) in oral and written forms during business communication in Russian and foreign languages; |
| 3.2.8 | determine tasks of self-development and professional growth, distributes them into long-, medium- and short-term ones with justification of relevance and determination of the necessary resources for their implementation. |

| | 4. STRUCTURE | AND CON | TENT OF | THE DISCIPLIN | E (MODULE) | |
|----------------------|---|--------------------|---------|--|--|---------------------------|
| Code of the class | Name of sections and topics /type of class | Semester / Year | Hours | Competences | Literature | Note |
| | Section 1. | | | | | |
| 1.1 | Introductory briefing by the internship supervisor. Drafting a letter to the head physician of the institution regarding the admission of students to work with medical documentation at the medical institution. Familiarization with the documents on the internship. What is science, scientific | 10 | 2 | UC-1.1 UC -1.2 UC -1.3 UC-4.2 UC-6.1 UC-6.1 GPC-10.1 GPC- 10.2 GPC-11.1 GPC-11.2 GPC- 11.3 PC-10.1 | L 1.1 L 2.1 L 3.1 L 3.2 L 3.3 E1 E2 E3 | Entry in the briefing log |

| | | | ı | | 1 | 1 |
|-----|---|----|---|----------------------------------|----------------------------------|--|
| | research. Types of scientific | | | | | |
| | research (tasks): short-term, | | | | | |
| | medium-term, prolonged (long- | | | | | |
| | term, or continuing for years, | | | | | |
| | forming entire schools). Purpose, tasks and methods of | | | | | |
| | their implementation | | | | | |
| | (achievement). Work plan, or | | | | | |
| | design of scientific research. /Pr/ | | | | | |
| 1.2 | What is science, scientific | 10 | 6 | UC-1.1 UC -1.2 | L 1.1 L 2.1 | |
| 1.2 | research. Types of scientific | 10 | O | UC -1.3 UC-4.2 | L 3.1 L 3.2 L 3.3 | |
| | research (tasks): short-term, | | | UC-6.1 UC-6.1 | E1 E2 E3 | |
| | medium-term, prolonged (long- | | | GPC-10.1 GPC- | | |
| | term, or continuing for years, | | | 10.2 GPC-11.1 | | |
| | forming entire schools). | | | GPC-11.2 GPC- | | |
| | Purpose, tasks and methods of | | | 11.3 PC-10.1 | | |
| | their implementation | | | | | |
| | (achievement). Work plan, or | | | | | |
| | design of scientific research. | | | | | |
| | Introductory briefing of the head | | | | | |
| 1.3 | of practice /IW/ Selection of the research topic. | 10 | 6 | UC-1.1 UC -1.2 | L 1.1 L 2.1 | Interview and |
| | Formulation, goals, objectives, | | | UC -1.3 UC-4.2 | L 3.1 L 3.2 L 3.3 | consultation |
| | selection of methods for their | | | UC-6.1 UC-6.1 | E1 E2 E3 | ······································ |
| | solution, preparation of the design | | | GPC-10.1 GPC- | | |
| | of the work. Direct | | | 10.2 GPC-11.1 | | |
| | implementation of R&D. /Pr/ | | | GPC-11.2 GPC- | | |
| | | | | 11.3 PC-10.1 | | |
| | | | | | | |
| 1.4 | Selection of the research topic. | 10 | 6 | UC-1.1 UC -1.2 | L 1.1 L 2.1 | |
| | Formulation, goals, objectives, | | | UC -1.3 UC-4.2 | L 3.1 L 3.2 L 3.3 | |
| | selection of methods for their | | | UC-6.1 UC-6.1 | E1 E2 E3 | |
| | solution, preparation of the design of the work. Direct | | | GPC-10.1 GPC- 10.2 GPC-11.1 | | |
| | implementation of R&D. /IW/ | | | GPC-11.2 GPC- | | |
| | implementation of R&D. /1W/ | | | 11.3 PC-10.1 | | |
| | | | | 11.5 1 € 10.1 | | |
| 1.5 | Carrying out research work. /Pr/ | 10 | 6 | UC-1.1 UC -1.2 | L 1.1 L 2.1 | Interview and |
| 1.0 | Carrying out resourch worth /11/ | 10 | | UC -1.3 UC-4.2 | | consultation |
| | | | | UC-6.1 UC-6.1 | E1 E2 E3 | |
| | | | | GPC-10.1 GPC- | | |
| | | | | 10.2 GPC-11.1 | | |
| | | | | GPC-11.2 GPC- | | |
| | | | | 11.3 PC-10.1 | | |
| 1.6 | Comming out research 1- /W// | 10 | - | IIC 1 1 IIC 12 | 111101 | |
| 1.6 | Carrying out research work. /IW/ | 10 | 6 | UC-1.1 UC -1.2 UC -1.3 UC-4.2 | L 1.1 L 2.1 L 3.1 L 3.2 L 3.3 | |
| | | | | UC-6.1 UC-6.1 | E1 E2 E3 | |
| | | | | GPC-10.1 GPC- | D1 D2 D3 | |
| | | | | 10.2 GPC-11.1 | | |
| | | | | GPC-11.2 GPC- | | |
| | | | | 11.3 PC-10.1 | | |
| | | | | | | |
| 1.7 | Carrying out research work. /Pr/ | 10 | 6 | UC-1.1 UC -1.2 | L 1.1 L 2.1 | Interview and |
| | | | | UC -1.3 UC-4.2 | L 3.1 L 3.2 L 3.3 | consultation |
| | | | | UC-6.1 UC-6.1 | E1 E2 E3 | |
| | | | | GPC-10.1 GPC- | | |
| | | | | 10.2 GPC-11.1 | | |
| | | | | GPC-11.2 GPC- | | |
| | | | | 11.3 PC-10.1 | | |
| 1.8 | Carrying out research work. /IW/ | 10 | 6 | UC-1.1 UC -1.2 | L 1.1 L 2.1 | |
| | | | | UC -1.3 UC-4.2 | L 3.1 L 3.2 L 3.3 | |
| | | | | UC-6.1 UC-6.1 | E1 E2 E3 | |
| | | | | GPC-10.1 GPC- 10.2 GPC-11.1 | | |
| | | | | GPC-11.2 GPC- | | |
| | | | | 11.3 PC-10.1 | | |
| | | | | | | |
| | I | | | |] | |

| _ | _ | | | | T | |
|------|---|----|---|--|--|---|
| 1.9 | Carrying out research work, analysis of the obtained data and presentation of the research results. /Pr/ | 10 | 6 | UC-1.1 UC -1.2 UC -1.3 UC-4.2 UC-6.1 UC-6.1 GPC-10.1 GPC- 10.2 GPC-11.1 GPC-11.2 GPC- 11.3 PC-10.1 | L 1.1 L 2.1 L 3.1 L 3.2 L 3.3 E1 E2 E3 | Interview and consultation |
| 1.10 | Carrying out research work, analysis of the obtained data and presentation of the research results. /IW/ | 10 | 8 | UC-1.1 UC -1.2 UC -1.3 UC-4.2 UC-6.1 UC-6.1 GPC-10.1 GPC- 10.2 GPC-11.1 GPC-11.2 GPC- 11.3 PC-10.1 | L 1.1 L 2.1 L 3.1 L 3.2 L 3.3 E1 E2 E3 | |
| 1.11 | Public presentation of a research report. /Pr/ | 10 | 6 | UC-1.1 UC -1.2 UC -1.3 UC-4.2 UC-6.1 UC-6.1 GPC-10.1 GPC- 10.2 GPC-11.1 GPC-11.2 GPC- 11.3 PC-10.1 | L 1.1 L 2.1 L 3.1 L 3.2 L 3.3 E1 E2 E3 | Interview and consultation |
| 1.12 | Public presentation of a research report. /IW/ /Cp/ | 10 | 8 | UC-1.1 UC -1.2 UC -1.3 UC-4.2 UC-6.1 UC-6.1 GPC-10.1 GPC- 10.2 GPC-11.1 GPC-11.2 GPC- 11.3 PC-10.1 | L 1.1 L 2.1 L 3.1 L 3.2 L 3.3 E1 E2 E3 | |
| 1.13 | / credit / | 10 | 0 | UC-1.1 UC -1.2 UC -1.3 UC-4.2 UC-6.1 UC-6.1 GPC-10.1 GPC- 10.2 GPC-11.1 GPC-11.2 GPC- 11.3 PC-10.1 | L 1.1 L 2.1 L 3.1 L 3.2 L 3.3 E1 E2 E3 | justification of the abstract, receiving a review, providing the necessary reporting documentation, receiving credit for the educational practice |

5. EVALUATION TOOLS

5.1. Assessment materials for ongoing monitoring and midterm assessment

Presented as a separate document

5.2. Assessment materials for diagnostic testing

Presented as a separate document

| 6. EDU | 6. EDUCATIONAL, METHODOLOGICAL AND INFORMATIONAL SUPPORT OF THE DISCIPLINE (MODULE) | | | | |
|--------|---|--|---------------------|----------|--|
| | | 6.1. Recommended reading | | | |
| | | 6.1.1. Main literature | | | |
| | Authors | Title | Publishe, year | Quantity | |
| L 1.1 | Stanton A. Glantz. | Primer of BIOSTATISTICS FOURTH EDITION Stanton A. Glantz, Ph.D. Professor of Medicine Member, Cardiovascular Reserch Institute Member, Institute for Health Policy Studies University of California, San Francisco | electronic resource | 1 | |
| | | 6.1.2. Additional literature | | | |
| | Authors | Title | Publishe, year | Quantity | |

| L 2.1 | Stanton A. Glantz. | Primer of BIOSTATISTICS FOURTH EDITION Stanton A. Glantz, Ph.D. Professor of Medicine Member, Cardiovascular Reserch Institute Member, Institute for Health Policy Studies University of | electronic resource | 1 |
|--------|-----------------------------|---|----------------------------|----------|
| | | 6.1.3. Methodological recommendat | tions | |
| | Authors | Title | Publishe, year | Quantity |
| L 3.1 | | How to Establish a Research Topic: Easy Writing Tips | electronic resource | 1 |
| L 3.2 | | How To Write An Abstract For A Scientific Article | electronic resource | 1 |
| | 6.2 | . List of resources of the information and telecommunic | cations network "Internet" | , |
| E 1 | FreeMedical | Journals http://www.freemedicaljournals.com | | |
| E 2 | Медико-био | ологический информационный портал. http://www.medl | ine.ru/ | |
| E 3 | Hаучно-мед http://medlib | ицинская библиотека Сибирского государственного мо o.tomsk.ru | едицинского университета | |
| | <u> </u> | 6.3.1 Software List | | |
| 6.3.1. | 1 Операционн | ные системы Windows, Microsoft, пакет прикладных про | ограмм Microsoft Office | |
| | - | 6.3.2 List of information reference sy | stems | |
| 6.3.2. | 1 Доступ в се | ть интернет (в т.ч. Wi-Fi) | | |

7. LOGISTICS AND TECHNICAL SUPPORT OF THE DISCIPLINE (MODULE)

All classrooms are equipped with multimedia and other teaching aids that allow the use of simulation technologies, with standard sets of professional models and results of laboratory and instrumental studies in quantities that allow students to master the skills and abilities required by professional activities individually. All computers have up-to-date licensed software.

The clinical sites have rooms designed for providing medical care to patients, including those related to medical interventions, equipped with specialized equipment and (or) medical products and consumables in quantities that allow students to master the skills and abilities required by professional activities.

The central library of Surgut State University has rooms for independent work of students, equipped with computer equipment with the ability to connect to the Internet and provide access to the electronic information and educational environment of the organization, as well as with access to electronic library systems (electronic library).

Based on the agreements concluded by the university, all students are issued keys for access to electronic library systems (electronic library) from any device with Internet access.

Students have access to scientific literature funds in the scientific library of Surgut State University, scientometric electronic databases, library funds with periodicals on relevant topics, the availability of hardware and software systems that allow assessing the functional state of the human body. The classrooms of the Department of Pediatric Diseases are located at clinical sites on the territory of their divisions. The classrooms are equipped with computers with software for conducting research - programs on medical and biological statistics, educational presentations on evidence-based medicine.

The clinical sites use accounting (medical histories, outpatient cards) and reporting (annual report forms) documentation. The material is also collected during examinations of children hospitalized in the hospital and observed in the clinic. Material and technical resources used to visualize the material being studied and to practice practical skills and abilities: personal computers:

- 1. BIOSTAT program
- 2. Excel program
- 3. Statistica 6.0 program
- 4. Presentations for learning the material
- 5. Fundamentals of clinical epidemiology.

1. «Implementation of practical training»

| • Place of practical training | | |
|-------------------------------|--|--|
| | | |

- · Method of practical training: stationary
- Form of practical training: by alternating with the implementation of other components of the educational program in accordance with the academic calendar and curriculum)
- Features of practical training for students with disabilities and disabled people.

In accordance with the requirements of the state program of the Russian Federation

"Accessible Environment" for 2011-2020, in particular, the implementation of subprogram 1

"Ensuring conditions for the accessibility of priority facilities and services in priority areas of life of disabled people and other low-mobility groups of the population", all medical organizations that are clinical bases for educational and industrial training have the characteristics of a "barrier-free environment" for students of the Medical Institute with disabilities.

Currently, the university buildings are equipped with all the main types of accessibility. The entrance group is equipped with a ramp and handrails, a staff call system, the necessary information signs and pictograms are located on the territory of the hospital complex. The institution has a special sanitary and hygienic room for people with limited mobility. The building is equipped with a freight and passenger elevator, so when visiting the departments located on the basement, second and third floors of the university, it is absolutely accessible.

2. Report on the completion of educational practice, research work

| Full name of the student Specialty Year of study |
|--|
| |
| Year of study |
| |
| Time of practice |
| Scientific supervisor |
| Full name, position, academic rank of the supervisor |
| Place of practice |
| Specific result (conclusions) |
| Completion mark (brief description) |
| |
| |
| |
| |

The list of practical skills mastered by the student in the framework of educational practice, research work

| № | Practical skills, abilities | Necessary quantity | Actual performance |
|---|--|--------------------|--------------------|
| 1 | Skills in conducting a literature and information search, compiling a list of literature on the research problem, formatting in accordance with GOST | 1 | |
| 2 | Skills in working with literature, regulations, and other sources of information on the topic of research (study and critical analysis) | 1 | |
| 3 | Skills in participating in drawing up a plan, organizing, and conducting scientific research on the topic | 1 | |
| 4 | Skills in participating in the selection of relevant research methods and techniques that correspond to the goal and objectives of the study | 1 | |
| 5 | Skills in collecting research material using general clinical and special research methods in accordance with the topic of the student's research | 1 | |
| 6 | Skills in choosing methods for processing the obtained results, skills in mathematical and statistical data processing | 1 | |
| 7 | Skills in systematizing and analyzing primary data obtained during the study using statistical methods | 1 | |
| 8 | Skills in analyzing and describing the results obtained during the study based on statistics, literary data, legal documents | 1 | |
| 9 | Skills in preparing and formatting research materials for publication (presentation) | 1 | |

| Signature of the head of pr | » 202 | |
|-----------------------------|-------------|--------------|
| Student | / Full name | |
| Scientific Director | | _/ Full name |
| Head of Department | / Full name | |

3. Work assessment criteria

The assessment of a student's research practice is based on the quality of the prepared research work. This work (depending on the department's decision) can be assessed on a 4-point scale ("excellent", "good", "satisfactory", "unsatisfactory") or on a 2-point scale ("pass", "fail").

When assessing a student's work, the teacher is guided by the following criteria:

- independence in completing the work;
- the list of literature used by the student is sufficiently complete to understand the topic of the work;
- the logic and validity of the drawn up work plan;
- the work plan corresponds to the formulated goal and objectives;
- the ability to independently analyze scientific material;
- the text of the research work is presented logically, competently, reasonably and correctly.
- the student's ability to substantiate his point of view;
- the design of the text of the work meets the stated requirements.

In case of evaluation of research work on a five-point scale:

The grade "excellent" is given if:

- 1. The content of the topic is presented logically.
- 2. The relevance of the topic under consideration is revealed, the purpose of the study, its objectives are correctly defined, the main categories are revealed.
- 3. The literature on the topic is analyzed, the methodological foundations of the problem under study are revealed, the issues of the history of its study in science are covered. The analysis of literature is distinguished by depth, independence, the ability to show one's own position in relation to the issue under study.
- 4. The conclusion of the work contains independently formulated detailed conclusions on the topic of the work.
- 5. The work is designed in accordance with the stated requirements, written in compliance with the norms of the literary language.
- 6. The work is completed and presented to the teacher on time.

The grade "good" is given for a test in which:

- 1. The content is presented logically.
- 2. The relevance of the topic is revealed, the goal and objectives are correctly defined.
- 3. The range of primary literature on the topic is presented, the main concepts used in the work are highlighted. Scientific research on the topic is summarized. In some cases, the student is unable to give a critical assessment of scientific views and/or does not sufficiently substantiate certain provisions.
- 4. The conclusion contains independently formulated general conclusions.
- 5. The work is formatted in accordance with the developed requirements, written in compliance with the norms of the literary language. It does not contain spelling and punctuation errors. Individual style errors are acceptable.
- 6. The work is completed on time.

A research work can be assessed as "satisfactory" if:

- 1. The content is presented logically.
- 2. The relevance of the topic is not sufficiently disclosed; the list of references is limited.
- 3. The theoretical analysis is given descriptively, the student was unable to reflect his own position in relation to the materials under consideration, a number of judgments are superficial.
- 4. The conclusion contains formulated general conclusions.
- 5. The work is formatted in accordance with the requirements, but it contains spelling and punctuation errors, and style errors.
- 6. The work is completed on time.

A research paper in which most of the requirements for this type of work are not met is graded "unsatisfactory". If the grade is unsatisfactory, it is returned to the student for revision with comments and instructions from the teacher, and after the deficiencies are corrected, it is re-submitted for review.