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**INSTITUTE OF MEDICINE, ECOLOGY AND PHYSICAL CULTURE**  
**Medical faculty of T.Z.Biktimirov**  
**DEPARTMENT OF THE GENERAL AND OPERATIONAL SURGERY**  
**WITH TOPOGRAPHICAL ANATOMY AND COURSE OF**  
**STOMATOLOGY**

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**METHODICAL INSTRUCTIONS FOR ORGANIZATION OF INDEPENDENT  
WORK FOR THE DISCIPLINE Stomatology  
FOR SPECIALTY 05.31.01 «MEDICAL BUSINESS»**

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Recommended for introduction to the educational process. Scientific Council of the Institute of medicine, ecology of physical culture of Ulyanovsk state University (Protocol No. 8/238 of 14.04.2022)

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METHODICAL INSTRUCTIONS FOR ORGANIZATION OF INDEPENDENT WORK FOR THE DISCIPLINE Stomatology, according to the current curriculum. The structure includes guidelines for each topic studied according to the plan of classroom practical work. The guidelines are intended for training students in practical classes of the faculty of medicine, studying in the specialty 31.05.01-Medical business and 31.05.02. –Pediatrics.

@ Team of authors, 2022

@ Ulyanovsk State University, 2022

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## OBJECTIVES AND DEVELOPMENT COURSES

preparation of students in the theory of practice of modern dentistry and practice, in particular, maxillofacial surgery, which is a section of general surgery and is closely related to other medical disciplines. To form students' knowledge and skills to provide assistance to patients in emergency conditions (bleeding, shock, asphyxia, etc.), with various types of damage to the facial skeleton, as well as with severe purulent-inflammatory processes of the maxillofacial region. To teach the prevention of major dental diseases, while emphasizing the role of the general practitioner in the organization of dispensary observation in the field for the timely elimination of malformations, precancerous processes and a number of diseases of the dentition.

Objectives of mastering the discipline:

1. Familiarization of students with the history of the development of dentistry as a science, the basics of the prevention of dental diseases, clinical examination and rehabilitation of dental patients.
2. To acquaint students with the place of dentistry among other clinical disciplines, to show the role of dental diseases in the pathogenesis of a number of diseases of internal organs, the role of a general practitioner in the prevention of a number of pathological processes in the maxillofacial region.
3. Familiarization of students with the methodology for examining the oral cavity organs (visual, manual, functional, auxiliary, etc.) with the determination of the value of the results of this study in the general clinical examination of patients to identify the pathological state of the body (endocrine disorders, infectious diseases, blood diseases, gastrointestinal -intestinal tract, skin, hypovitaminosis).
4. Familiarization of students with the etiology, pathogenesis, clinical picture, diagnosis, complications, prevention and treatment of the most common diseases and injuries of the jaws that have a social, dialectical significance.

### **The list of planned learning outcomes for subjects (modules), correlated with the planned result of the development of vocational education programs**

The study of the subject « Stomatology » within the completion of the educational program is directed towards the formation of the following general and professional competences in students:

Competence index. Content of a competence (or a part of it)	The proposed results of the course students are:
<b>GPC-4</b> Able to use medical devices provided for by the procedure for the provision of medical care, as well as conduct	ID-1 OPK4 Know: the basics of the legislation of the Russian Federation on the protection of public health, the main regulatory and

examinations of a patient in order to establish a diagnosis

technical documents; basic principles of management and organization of medical care to the population; organization of medical control over the state of health of the population, issues of examination of disability and medical and legal assistance to the population; etiology, pathogenesis and preventive measures for the most common diseases; modern classification of diseases; clinical picture, characteristics of the course and possible complications of the most common diseases occurring in a typical form in different age groups; diagnostic methods, diagnostic capabilities of methods of direct examination of a patient of a therapeutic, surgical and infectious profile, modern methods of clinical, laboratory instrumental examination of patients (including endoscopic, radiological methods of ultrasound diagnostics); criteria for the diagnosis of various diseases; clinical and pharmacological characteristics of the main groups of drugs and the rational choice of specific drugs in the treatment of the main pathological syndromes of diseases and emergency conditions in patients, including the basics of anti-doping legislation; procedures for the provision of medical care for the main diseases of the therapeutic, surgical, obstetric-gynecological and other profiles.

**ID-2 OPK4**

Be able to: plan, analyze and evaluate the quality of medical care, determine the status of the patient: collect anamnesis, interview the patient and / or his relatives, conduct a physical examination of the patient (examination, palpation, auscultation, blood pressure measurement, determination of the

	<p>properties of the arterial pulse, etc.) .); assess the patient's condition in order to make a decision on the need to provide him with medical care; to conduct a primary examination of systems and organs: nervous, endocrine, immune, respiratory, cardiovascular, blood and hematopoietic organs, digestive, urinary, reproductive, musculoskeletal and joints, eyes, ear, throat, nose; to set priorities for solving the patient's health problems: critical (terminal) condition, condition with pain syndrome, condition with chronic disease, condition with infectious disease, disability, geriatric problems; to make a preliminary diagnosis - to synthesize information about the patient in order to determine the pathology and the reasons that cause it; outline the volume of additional studies in accordance with the prognosis of the disease, to clarify the diagnosis and obtain a sufficient result; formulate a clinical diagnosis; develop a plan of therapeutic (surgical) actions, taking into account the course of the disease and its treatment; formulate indications for the chosen method of treatment, taking into account etiologic and pathogenetic agents, substantiate pharmacotherapy in a particular patient with major pathological syndromes and emergency conditions, determine the route of administration, regimen and dose of drugs, assess the effectiveness and safety of the treatment; apply various methods of drug administration.</p> <p><b>ID-3 OPK4</b> Possess: Possess the methods of using medical devices in the diagnosis and treatment of therapeutic patients</p>
<p><b>GPC-7</b> Able to prescribe treatment and</p>	<p><b>IDK-1 OPK7</b> Know: classification and main</p>

<p>monitor its effectiveness and safety</p>	<p>characteristics of drugs, pharmacodynamics and pharmacokinetics, indications and contraindications for the use of drugs, side effects; general principles for the preparation of prescriptions and the preparation of prescription drug prescriptions; methods of treatment and indications for their use; the mechanism of the therapeutic action of physiotherapy exercises and physiotherapy, indications and contraindications to their appointment, their features conducting; types and methods of modern general anesthesia (mask, endotracheal, intravenous), prevention of postoperative pulmonary complications, - clinical and pharmacological characteristics of the main groups of drugs and rational choice of specific drugs in the treatment of major pathological syndromes of diseases and emergency conditions in patients, including the basics of anti-doping legislation ...</p> <p><b>ID-2 OPK7</b></p> <p>Be able to: use physical, chemical and biological equipment; classify chemical compounds based on their structural formulas; predict the direction and result of physicochemical processes and chemical transformations of biologically important substances; use the IUPAC nomenclature for compiling names according to the formulas of typical representatives of biologically important substances and drugs; to analyze the action of drugs in terms of the totality of their pharmacological properties and the possibility of their use for therapeutic treatment; write out prescriptions for medicines, use various dosage forms in the treatment of certain pathological</p>
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	<p>conditions, based on the characteristics of their pharmacodynamics and pharmacokinetics; apply basic antibacterial antiviral and biological drugs; to evaluate possible manifestations of drug overdose and how to eliminate them; formulate indications for the chosen method of treatment, taking into account etiologic and pathogenetic agents, substantiate pharmacotherapy in a particular patient with major pathological syndromes and emergency conditions, determine the route of administration, regimen and dose of drugs, assess the effectiveness and safety of the treatment; apply various methods of drug administration.</p> <p><b>ID-3 OPK7</b></p> <p>Own: methods of analysis of clinical, laboratory and instrumental data to determine the algorithm for patient management, drawing up drug and non-drug treatment regimens.</p>
<p><b>PC-2</b></p> <p>Readiness to collect and analyze patient complaints, data from his anamnesis, examination results, laboratory, instrumental, pathological and anatomical and other studies in order to recognize a condition or establish the presence or absence of a disease</p>	<p>Know: diagnostic methods, diagnostic capabilities of methods of direct examination of a patient of a therapeutic, surgical and obstetric-gynecological profile; modern methods of clinical, laboratory, instrumental examination of patients (including endoscopic, radiological methods, ultrasound diagnostics).</p> <p>Be able to: determine the patient's status: collect anamnesis, interview the patient and / or his relatives, conduct a physical examination of the patient (examination, palpation, auscultation); to conduct a primary examination of systems and organs: respiratory, cardiovascular, blood and hematopoietic organs, digestive, endocrine and urinary; outline the volume of additional studies in</p>



	<p>accordance with the prognosis of the disease, to clarify the diagnosis and obtain a reliable result.</p> <p>Own: methods of general clinical objective examination (questioning, examination, palpation, percussion, auscultation) for diseases of internal organs; interpretation results of laboratory, instrumental diagnostic methods for pathology of internal organs.</p>
<p><b>PC-3</b> Readiness to manage and treat patients with various nosological forms on an outpatient basis and in a day hospital</p>	<p>Know: the criteria for the diagnosis of the most common diseases of internal organs. Features of the organization and scope of work of the outpatient clinic doctor, modern diagnostic capabilities of the polyclinic service, methods of emergency measures, indications for planned hospitalization; features of treatment of diseases of internal organs in outpatient settings, incl. day hospital conditions.</p> <p>Be able to: formulate indications for the chosen method of treatment, taking into account etiotropic and pathogenetic agents; to develop an algorithm for the management of a patient's therapeutic profile in a polyclinic.</p> <p>Own: an algorithm for determining the tactics of managing a patient with a therapeutic pathology, conducting a differential diagnosis in a therapeutic pathology.</p>

**Instructions on fire safety measures in premises  
Ulyanovsk state University**

All employees and students of USU must clearly know and strictly follow the rules of fire safety, prevent violations of the fire regime, be able to use almost primary fire extinguishing agents and keep them clean and tidy.

**OFFICIALS RESPONSIBLE FOR BUILDINGS AND**

**ROOMS.** They are **OBLIGED** to:

1. Monitor the condition of power grids and electrical equipment, take the necessary measures to eliminate malfunctions.
2. Strictly observe internal order and cleanliness, baskets and boxes for papers should be regularly cleaned, garbage should be taken out of the building to a specially designated place.
3. Know the plan for evacuating people from buildings in case of fire.
4. All emergency doors and other exits to contain in a serviceable condition .
5. Check the readiness of fire extinguishing equipment and all violations inform the head of the economic unit and the fire safety engineering service.
6. Upon completion of the work to carry out a mandatory inspection of all premises.

### **Smoking is**

1. Smoking is **PROHIBITED IN** the premises of USU, except for places specified by the order of the rector
2. Perform flammable works without the written permission of the Vice-rector for AHR and CS and the fire safety engineer.
3. Store flammable and flammable liquids.
4. Use home-made electric household heating devices or devices not of the established sample.
5. Use fire-fighting equipment for other purposes.
6. Clutter up passageways, corridors, stairs, exits with various materials.
7. To make installation of temporary electric systems, to apply them in inserts do not meet the technical requirements.
8. To carry out cleaning of the premises using gasoline, kerosene and other flammable and combustible liquids.
9. Leave live electrical appliances unattended.

**EVERYONE WHO DETECTED A FIRE OR FIRE, MUST:**

1. immediately report the fire to the fire Department " 01 " and the operational duty officer of the ahch Ulsu (32-98-22).
2. Notify all people in the building about the fire.
3. Disconnect the power grid and electrical equipment.
4. To take measures to evacuate people.
5. Start extinguishing the fire with primary fire extinguishing means before the arrival of the fire Department.

## TOPICS practical and seminars

### **Theme 1. History of dentistry. Caries, pulpitis, periodontitis.**

Form conducting - a practical lesson, interactive form-business games: work in small groups.

#### ***Questions:***

1. Etiology of caries.
2. Classification of caries.
3. The main and additional methods for examining a dental patient with dental caries.
4. Clinic of caries.
5. General and local treatment of caries. Prevention of caries.
6. Etiology of pulpitis.
7. Classification of pulpitis.
8. Clinic of acute pulpitis, exacerbated chronic pulpitis.
9. Clinic of chronic pulpitis.
10. Methods of anesthesia of pulp.
11. Methods of treating pulpitis.

Test questions for independent work.

1. The etiology of periodontitis.
2. Classification of periodontitis.
3. Methods for the diagnosis of periodontitis.
4. Clinic of acute apical periodontitis, exacerbated chronic periodontitis.
5. Clinic of chronic periodontitis.
6. The main stages of treatment of periodontitis.
7. Ways of outflow of exudate.

### **Theme 2. Diseases of periodontal and oral mucosa.**

Form conducting - a practical lesson, interactive form-business games: work in small groups.

#### ***Questions:***

1. The main signs of periodontitis.
2. The main research methods of a patient with periodontal disease.
3. Additional research methods.
4. Clinical and radiological signs of the chronic course of periodontitis.
5. General principles for the treatment of periodontitis patients.
6. Local and general treatment of periodontitis.
7. Indications for the use of stimulating therapy.
8. Physical treatments for periodontitis.
9. Definition of gingivitis.
10. Classification of gingivitis.
11. Etiology of gingivitis.
12. Clinic, treatment, prevention of various forms of gingivitis.

13. Physical factors used in the treatment of gingivitis.
14. The main clinical symptoms of periodontal disease.
15. Clinic, treatment of periodontal disease.
16. Physical treatments for periodontal disease.
17. The essence of the medical examination.
18. The tasks of the medical examination.
19. Etiology of periodontitis.
20. Classification of periodontitis.
21. Methods for the diagnosis of periodontitis.
22. Clinic of acute apical periodontitis, exacerbated chronic periodontitis.
23. Clinic of chronic periodontitis.
24. The main stages of treatment of periodontitis.
25. Ways of outflow of exudate.

Test questions for independent work.

1. Etiology of herpes infection.
2. The main clinical symptoms of acute and chronic herpetic stomatitis.
3. Methods of treating a patient with herpetic stomatitis.
4. Prevention of herpes infection

Theme 3. Inflammatory diseases of the maxillofacial region.

Form conducting - a practical lesson, interactive form-business games: work in small groups.

**Questions:**

1. Etiology and pathogenesis of acute periostitis.
2. Symptomatology of acute periostitis.
3. Treatment of acute periostitis.
4. Physical treatments.
5. Prevention of acute periostitis.
1. Etiology and pathogenesis of osteomyelitis.
2. Classification of osteomyelitis.
3. Clinical characteristics of the abscess and phlegmon of the maxillofacial region.
4. Principles of treatment of abscess and phlegmon of the maxillofacial region.
5. Conservative and surgical methods for the treatment of abscess and phlegmon of the maxillofacial region.
6. Rehabilitation of patients.
7. Clinic of acute, subacute and chronic odontogenic osteomyelitis.
8. Treatment of odontogenic osteomyelitis.
9. Physiotherapy of odontogenic osteomyelitis.
10. Anatomy of the lymphatic system of the face.
11. Classification of lymphadenitis.
12. Etiology of lymphadenitis.
13. Clinic of lymphadenitis.

#### 14. Treatment of lymphadenitis.

Test questions for independent work.

1. Retention of teeth, clinical manifestations.
2. Etiology of difficult eruption of the lower wisdom tooth.
3. Pericoronaritis. Clinic, diagnosis, treatment.
4. Indications and contraindications for tooth extraction.
5. Types of pain relief.
6. Conduction anesthesia of the upper and lower jaws.
7. Complications of local anesthesia.
8. Tools for removing teeth.
9. Etiology of odontogenic sinusitis.
10. Diagnosis of odontogenic sinusitis.
11. Treatment and prevention of odontogenic sinusitis.

#### **Theme 4. Injuries to the maxillofacial region.**

Form conducting - a practical lesson, interactive form-business games: work in small groups.

##### ***Questions:***

1. Types of fractures of the lower and upper jaws.
2. Features of the examination of victims with injuries of soft tissues and facial bones.
3. The mechanism of displacement of fragments.
4. Clinic of fractures of the lower jaw.
5. Clinic of fractures of the upper jaw.
6. Temporary transport immobilization.
7. Complications of fracture of the lower and upper jaws.
8. Methods for permanent fixation of jaw fragments.
9. Tooth wire tires.
10. The basic principles of surgical treatment of facial wounds.
11. Clinic and treatment of nasal fractures.
12. Clinic and treatment of fracture of the zygomatic bone and zygomatic arch.

Test questions for independent work.

1. Care for patients with damage to soft tissues and facial bones.
2. Clinic and treatment of dislocation of the lower jaw
3. Complications of fractures.

#### **Theme. 5. Congenital malformations of the lips and palate. Types of bite.**

Form conducting - a practical lesson, interactive form-business games: work in small groups.

##### ***Questions:***

1. cleft lip. Classification, clinic, diagnosis treatment.
2. The cleft palate. Classification, clinic, diagnosis treatment.

Test questions for independent work.

Types of bite.

### **Theme 6. Benign and malignant tumors of the maxillofacial region.**

Form conducting - a practical lesson, interactive form-business games: work in small groups.

#### ***Questions:***

1. Classification of benign tumors of the maxillofacial region.
2. Clinic and treatment of odontogenic benign tumors.
3. Clinic and treatment of non-odontogenic benign tumors.

Test questions for independent work.

1. Clinical manifestations and treatment of cancer of the skin of the face and lips.
2. The frequency, characteristics of the clinical course and treatment of cancer of the oral cavity.
3. Clinic, treatment of cancer of the upper jaw.
4. Clinic, treatment of cancer of the lower jaw.
5. Jaw sarcoma, clinic, treatment.

### **Questions for credit**

1. Etiology and pathogenesis of dental caries.
2. Clinical topographical classification of dental caries.
3. Clinic of dental caries. Treatment.
4. Methods of treatment of dental caries.
5. Classification of cavities in the Blek.
6. Gingivitis. Clinic, treatment, differential diagnosis.
7. Catarrhal gingivitis, clinic, treatment.
8. Ulcerative gingivitis, clinic, treatment.
9. Clinic of hypertrophic gingivitis, treatment.
10. Pericoronaritis, clinic, treatment.
11. Methods of treatment of pulpitis.
12. Clinic of chronic forms of pulpitis.
13. Clinic of chronic forms of periodontal disease.
14. Clinic of acute chronic periodontitis.
15. Ways outflow of exudate from periodontal.
16. Complication in the treatment of periodontal disease.
17. Etiology and pathogenesis of periodontitis.
18. Physical factors used in the treatment of periodontitis
19. Prevention of periodontal disease.

20. Classification of periodontal diseases.
21. Clinic of periodontitis.
22. Methods of treatment of periodontitis.
23. Methods of X-ray examination of periodontal and periodontal tissues.
24. Clinic of ulcerative-necrotic stomatitis. Treatment.
25. Papilloma, clinic, treatment.
26. Etiology and pathogenesis of acute pulpitis.
27. Clinic of acute forms of pulpitis.
28. Clinic of chronic forms of pulpitis.
29. Hemangioma, clinic, treatment.
30. Classification of periodontitis.
31. Methods of treatment of chronic forms of periodontitis.
32. Follicular cyst, clinic, treatment.
33. Lip cancer, clinic, treatment.
34. Clinic of chronic forms of periodontitis.
35. Clinic of periostitis of the jaw, treatment.
36. Adamanthoma, clinic, treatment.
37. Osteoma, clinic, treatment.
38. Radicular cyst, clinic, treatment.
39. Methods of examination of a dental patient. Instrumental method.
40. Herpetic stomatitis, clinic, treatment.
41. Osteoblastoklastoma, clinic, treatment.
42. Osteomyelitis of the lower jaw, clinic, treatment.
43. Chronic recurrent aphthous stomatitis, clinic, treatment.
44. Epulis, clinic, treatment. Differential diagnostics.
45. Cancer of the jaw, clinic, treatment.
46. Sarcoma of the jaw, clinic, treatment. Differential diagnostics.
47. Fibroma, clinic, treatment.
48. Clinic and treatment of odontogenic sinusitis.
49. Connection between odontogenic infection and somatic diseases.
50. Red flat lichen, clinic, treatment.
51. Cancer of the oral mucosa, clinic, treatment.
52. Odontoma, clinic, treatment.
53. Dislocation of the lower jaw, clinic, treatment.
54. Types of fractures of the lower jaw.
55. Types of fractures of the upper jaw.
56. Types of bite.
57. Explain the cleft lip pathology.
58. Explain the cleft palate pathology

## List of recommended literature

### Main literature

Introduction to Dentistry [Электронный ресурс] / Sevbitov A.V. - М. : ГЭОТАР-Медиа, 2018. Режим доступа:  
<http://www.studentlibrary.ru/book/ISBN9785970445846.html>

### Additional literature

1. English in *Dentistry* [Электронный ресурс] : учебник / Под ред. Л.Ю. Берзеговой. - 2-е изд., испр. и доп. - М. : ГЭОТАР-Медиа, 2016. -  
<http://www.studentlibrary.ru/book/ISBN9785970439128.html>

2. English in *Dentistry* [Электронный ресурс] : учебник / Под ред. Л.Ю. Берзеговой. - 2-е изд., испр. и доп. - М. : ГЭОТАР-Медиа, 2016. -  
<http://www.studentlibrary.ru/book/ISBN9785970439128.html>

### Educational literature

1. Smolkina A.V., Solomatina NN INSTRUCTIONS FOR ORGANIZATION OF INDEPENDENT WORK FOR THE DISCIPLINE Stomatology -[Электронный ресурс].- Ulyanovsk, 2019.

2. Smolkina A. V., Solomatina NN METHODOLOGICAL GUIDELINES FOR PRACTICAL EXERCISE ON THE DISCIPLINE Stomatology -[Электронный ресурс].- Ulyanovsk, 2019.

2. Smolkina AV Methodological guidelines for the organization of independent work in the discipline "Dentistry" for the specialties 05/31/01 "General Medicine" and 05/31/02 "Pediatrics" / AV Smolkina, NN Solomatina; UISU, IMEiFK, Med. fac. - Ulyanovsk: UISU, 2019. - Title. from the screen; Unpublished resource. - Electron. text data. (1 file: 428 KB). - Text: electronic.  
<http://lib.ulsu.ru/MegaPro/Download/MObject/4701>

3. Mironova VV Methodical instructions for practical exercises in the discipline "Dentistry" for the specialties 05/31/01 "General Medicine" and 05/31/02 "Pediatrics" / VV Mironova, NN Solomatina, A.V. Smolkin; UISU, IMEiFK, Med. fac. - Ulyanovsk: UISU, 2019. - Title. from the screen; Unpublished resource. - Electron. text data. (1 file: 3.94 KB). - Text: electronic.  
<http://lib.ulsu.ru/MegaPro/Download/MObject/4671>



4. Mironova, Vera Vasilievna Dentistry course: textbook. allowance for pract. dentistry classes for students courses / Mironova Vera Vasilievna; UISU, IMEiFK. - 2nd ed., Revised. and add. - Ulyanovsk: UISU, 2017 .-- 162 p. (IN RUSSIAN)
5. Martseva, OV. A method for the diagnosis and treatment of dentin caries using physical factors: a training method. manual / O. V. Martseva, V. V. Mironova; UISU, IMEiFK. - Ulyanovsk: UISU, 2015. (IN RUSSIAN)
6. Mironova VV Precancerous diseases of the mucous membrane of the mouth and lips: textbook.-method. allowance. - Ulyanovsk: UISU, 2013
7. Fizyukova, G. G. Organization of dental care: method. allowance / G. G. Fizyukova; UISU, IMEiFK. - Ulyanovsk: UISU, 2012 .-- 28 p. (IN RUSSIAN)
8. Solomatina NN Diagnosis and phototherapy of chronic apical periodontitis: textbook.-method. allowance. - UISU, IMEiFK. - Ulyanovsk: UISU, 2011(IN RUSSIAN)

c) Professional databases, information and reference systems

**1. Electronic library systems:**

1.1. Digital educational resource IPRsmart:electronic library system : website / LLC Company "AI Pi Ar Media". - Saratov, [2022]. –URL:<http://www.iprbookshop.ru> . – Access mode: for registration. users. - Text : electronic.

1.2. YURAYT Educational Platform :educational resource, electronic library : website / LLC Electronic Publishing House. – Moscow, [2022]. - URL: <https://urait.ru> . – Access mode: for registration. users. - Text : electronic.

1.3. Database "Electronic library of a technical university (EBS "Student consultant"):electronic library system : website / LLC Politehresurs. – Moscow, [2022]. –URL:<https://www.studentlibrary.ru/cgi-bin/mb4x>. – Access mode: for registration. users. –Text : electronic.

1.4. Doctor's consultant. Electronic medical library :database : website / LLC Higher School of Organization and Management of Healthcare-Comprehensive medical consulting. – Moscow, [2022]. – URL: <https://www.rosmedlib.ru> . – Access mode: for registration. users. – Text : electronic.

1.5. Large medical library : electronic library system : website / LLC Bukap. – Tomsk, [2022]. – URL: <https://www.books-up.ru/ru/library/> . – Access mode: for registration. users. – Text : electronic.

1.6. EBS Lan:electronic library system : website/ EBS Lan LLC. –St. Petersburg, [2022]. – URL:<https://e.lanbook.com> . – Access mode: for registration. users. –Text : electronic.

1.7. EBS Znaniy.com:electronic library system : website / Znaniy LLC. - Moscow, [2022]. - URL: <http://znaniy.com> . – Access mode: for registration. users. - Text : electronic.

1.8. ClinicalCollection :scientific information database EBSCO // EBSCOhost : [portal]. – URL: <http://web.b.ebscohost.com/ehost/search/advanced?vid=1&sid=9f57a3e1-1191-414b-8763-e97828f9f7e1%40sessionmgr102>. – Access mode : for authorization. users. – Text : electronic.

1.9.Database "Russian as a foreign language" :electronic educational resource for foreign students : website / LLC Company "AI Pi Ar Media". – Saratov, [2022]. – URL: <https://ros-edu.ru> . – Access mode: for registration. users. – Text : electronic.

**2. ConsultantPlus** [Electronic resource]: legal reference system. /Consultant Plus LLC - Electron. dan. - Moscow :ConsultantPlus, [2022].

**3.Databases of periodicals:**

3.1. Database of periodicals EastView : electronic journals / LLC IVIS. - Moscow, [2022]. – URL:<https://dlib.eastview.com/browse/udb/12> . – Access mode: for authorization. users. –Text : electronic.

3.2. eLIBRARY.RU : scientific electronic library : website / Scientific Electronic Library LLC. – Moscow, [2022]. – URL: <http://elibrary.ru> . – Access mode: for authorization. users. – Text : electronic

3.3. Electronic Library of the Grebennikov Publishing House (Grebinnikon) : electronic library / ID Grebennikov LLC. – Moscow, [2022]. – URL: <https://id2.action-media.ru/Personal/Products>. – Access mode: for authorization. users. – Text : electronic.

**4. Federal State Information System "National Electronic Library": electronic library:** website / FSBI RGB. – Moscow, [2022]. –URL:<https://нэб.рф> . – Access mode: for users of the scientific library. – Text : electronic.

**5. SMARTImagebase:** EBSCO scientific information database//EBSCOhost : [portal].– URL: <https://ebsco.smartimagebase.com/?TOKEN=EBSCO-1a2ff8c55aa76d8229047223a7d6dc9c&custid=s6895741>. – Access mode : for authorization. users. – Image : electronic.

**6. Federal information and educational portals:**

6.1. Single window of access to educational resources: federal portal.– URL:<http://window.edu.ru/> . – Text : electronic.

6.2. Russian education: federal portal / founder of FGAU "FITZTO". – URL: <http://www.edu.ru> . – Text : electronic.

**7. Educational resources of USU:**

7.1. Electronic library system of USU : module "Electronic library" of ABIS Mega-PRO / LLC "Date Express". – URL:<http://lib.ulsu.ru/MegaPro/Web>. – Access mode :for users of the scientific library. – Text : electronic.