FEDERAL STATE BUDGET EDUCATIONAL INSTITUTION OF HIGHER EDUCATION "ROSTOV STATE MEDICAL UNIVERSITY" MINISTRY OF HEALTH OF THE RUSSIAN FEDERATION

Faculty of Education of foreign students, residents and postgraduates

CONFIRM
Supervisor
educational program
_____ / E.S. Belousova /
(signature) *(FULL NAME.)*
"30" августа 2023

DISCIPLINE WORKING PROGRAM

ANATOMY

Speciality 31.05.01 General medicine

Form of education full-time

Rostov-on-Don
2023

I. GOALS AND OBJECTIVES OF MASTERING THE DISCIPLINE

Goals of mastering the discipline: formation of students' knowledge of human anatomy; the structure of both the body as a whole and individual organs and systems based on modern achievements; formation of skills to use the acquired knowledge in the subsequent study of other fundamental and clinical disciplines, as well as in the future professional activity of a doctor.

- **Tasks:**students' study of the structure, functions and topography of the organs of the human body, anatomical and topographic relationships of organs, individual and age-related features of the structure of the human body, including the prenatal period of development (organogenesis), variants of the anatomical structure of individual organs and anomalies of their development;
- formation in students of knowledge about the interdependence and unity of structure and function of both individual organs and the body as a whole, about the relationship of the body with changing environmental conditions, the influence of environmental, genetic factors, the nature of work, profession, physical culture and social conditions on the development and structure of the human body;
- formation of an integrated approach among students when studying the anatomy and topography of organs and their systems; a synthetic understanding of the structure of the human body as a whole as the interconnection of individual parts of the body; ideas about the importance of fundamental anatomical research for medicine;
- developing in students the ability to navigate the complex structure of the human body, to accurately and accurately find and determine the location and projection of organs and their parts on the surface of the body.
- education of students, guided by the traditional principles of humanism and mercy, respectful and caring attitude towards

the object being studied - the organs of the human body, the corpse; instilling highly moral standards of behavior in the section halls of a medical university.

II. REQUIREMENTS FOR THE RESULTS OF MASTERING THE DISCIPLINE

The process of studying the discipline is aimed at developing the following competencies in accordance with the Federal State Educational Standard of Higher Education and the EP of Higher Education in this specialty:

general professional(OPK):

–readiness to solve standard problems of professional activity using information, bibliographic resources, medical and biological terminology, information and communication technologies and taking into account the basic requirements of information security (GPC-1);

– ability and readiness to implement ethical and deontological principles in professional activities (GPC-4);

– the ability to assess morphofunctional, physiological states and pathological processes in the human body to solve professional problems (OPK-9).

III. THE PLACE OF DISCIPLINE IN THE STRUCTURE OF EP VO

3.1. The academic discipline “Anatomy” is basic to the cycle of mathematical and natural scientific disciplines.

3.2. A list of subsequent academic disciplines that require knowledge, skills and proficiency formed by this academic discipline: - normal physiology, pathological anatomy, topographic anatomy and operative surgery, propaedeutics of internal and surgical diseases.

IV. CONTENT AND STRUCTURE OF DISCIPLINE

The complexity of the discipline in Z1 3 hour 468

4.1. Sections of the discipline studied in _3_____semesters

Section no.	Section name	Number of hours					
		Total	Independentwork under the supervision of a teacher				SRS
			L	WITH	ETC	LR	
Semester 1							
1	**Musculoskeletal system**	108	16		48		44
	Total	108	16		48		44
Interim certification form (test/test with assessment/exam)		**Test**					
Semester 2							
2	**Splanchnology**	108	8		42		58
3	**The cardiovascular system**	108	8		54		46
	Total	216	16		96		104
Form of intermediate certification (test/test with assessment/exam		**Test**					
Semester 3							
4	**Centralnervous system**	49	8		21		20
5	**Peripheralnervous system**	43	6		21		16
6	**Sense organs**	16	2		6		8
Total		108	16		48		44
Interim certification form (test/test with assessment/exam)		**exam - 36 hours**					
TOTAL:		**468**	**48**		**192**		**192**

SRS- independent work of students

L– lectures – seminars (in accordance with the RUP)

LR –laboratory work (in accordance with the RUP)

ETC– practical exercises (in accordance with the RUP)

4.2. Contact work

Lectures

Section number	No.lectures and	Lecture topics	Number of hours
Semester 1			
Musculoskeletal apparatus	1	Main stages of historical development anatomical science. Introduction to anatomy. Ethics and deontology in the study of anatomy.	2
	2	Functional anatomy of the trunk skeleton.	2
	3	Functional anatomy of the skull.	2
	4	Functional anatomy of the skeleton	2
	5	Types of bone joints. Radiation anatomy	2
	6	General information about the muscular system. Functional anatomy of the trunk muscles. Topographic anatomy of the back, chest and abdomen. Anterior abdominal wall	2
	7	Functional anatomy of the muscles of the head and neck. Fascia of the head. Triangles, fascia and interfascial spaces of the neck. Review movements in the temporomandibular joint and joints of the cervical spine	2
	8	Functional anatomy of the upper muscles limbs. Topographic anatomy upper limbs. Overview of movements in joints. Functional anatomy of the lower muscles limbs. Topographic anatomy lower extremities. Overview of movements in joints.	2
Semester 2			
Splanchnology	1	General concepts about internal organs and their distribution across systems and devices in communication with the function being performed. Ontogenesis, anomalies development, general morphology, age peculiarities And functional anatomy digestive system.	2
	2	Ontogenesis, anomalies development, general morphology, age peculiarities And	2

		functional anatomy respiratory systems, diaphragms. The chest cavity and its walls. Pleural cavities.	
	3	Ontogenesis, anomalies development, general morphology, agepeculiarities And functionalanatomy of the urinary and reproductive systems.	2
	4	Ontogenesis, anomalies development, general morphology, agepeculiarities And functionalanatomy of the endocrine glands.	2
	5	Morphofunctional characteristic serous cavities. Peritoneum, visceral and parietal layers, bursae, omentum. Projection of organs onto the anterior abdominal wall.	2
The cardiovascular system	6	Functional anatomy of the heart. Conductive cardiac system, its blood supply and innervation. Projection and listening locations of heart valves	2
	7	Functional anatomy arterial systems Places where arteries are pressed.	2
	8	Functional anatomy of the venous system. Anastomoses. Features of fetal blood circulation. Functional anatomy of the lymphatic system. Outflow of lymph from internal organs.	2
Semester 3			
Central I nervous system	1	Functional anatomy, phylogeny and ontogenesis of the central nervous system. External and internal structure of the spinal cord.	2
	2	Functional anatomy trunk brain.	2
	3	Functional anatomy of the telencephalon. The membranes of the brain. Circulation of cerebrospinal fluid.	2
	4	Localization of functions in the cerebral cortex. Conducting tracts of the spinal cord and brain.	2
Sense organs	5	Functional anatomy organs feelings.Conducting paths of analyzers.	2
Peripheral nervous system	6	Topography of cranial nerve nuclei. Functional anatomy of I-XII pairs of cranial nerves.	2
	7	Formation of spinal nerves, branches. Functional anatomy of the cervical, brachial, lumbar, sacral, and coccygeal plexuses. Innervation of muscles and skin.	2

	8	Functional anatomy of the autonomic nervous system. Centers, branches, nodes, plexuses sympathetic Andparasympathetic departments. Innervation of internal organs. Zakharyin zones−Geda	2
Total			**48**

Seminars, practical work

Section number	No. PR	Topics of seminars, practical work	Number of hours	Forms of current control
Semester 1				
Musculoskeletal system	1	Anatomical terminology. Axes and planes. General information about the skeleton. Spinal column. Cervical and thoracic vertebrae	3	***interview***
	2	Spinal column. Features of the structure of the lumbar, sacral and coccygeal vertebrae. Structure of ribs	3	***interview***
	3	**Quiz:**structure of the body bones. Bones of the upper and lower limbs.	3	***oral interview interview***
	4	**Quiz:**structure of the bones of the limbs. Bones of the brain skull. Frontal, occipital, parietal and sphenoid bones.	3	***oral survey interview***
	5	Bones of the brain skull. Ethmoid and temporal bones. Bones of the facial skull.	3	***interview***
	6	**Quiz:**structure of the skull bones. External and internal base of the skull. Vertical, facial, lateral and occipital	3	***oral survey interview***
	7	**Quiz**: skull as a whole. Control testing: bone structure General information about bone joints. Connection of the bones of the body.	3	***oral questioning solving situational problems tasks tested***
	8	**Quiz:**general arthrology and connection of the bones of the body.(2) Connections of the bones of the skull and the skull with the spine.	3	***oral interview interview situational solution***

Section number	No. PR	Topics of seminars, practical work	Number of hours	Forms of current control
	9	**Quiz:**connections between the bones of the skull and torso. Connection of the bones of the shoulder girdle, forearm and hand. Shoulder and elbow joints. Joints of the hand.	3	***oral survey interview***
	10	**Quiz:**connections of the bones of the upper limb. Connection of the pelvic bones. Pelvis as a whole. Hip joint. Knee-joint. Connection of the leg bones. Ankle joint. Connection of the bones of the foot.	3	***oral interview interviewe solution of situational problems***
	eleven	**Quiz:**connections of the bones of the lower limb. **Control testing**: connections of bones. Muscles and topography of the back, chest and abdomen.	3	***oral survey interview testing***
	12	**Quiz:**muscles and topography of the back, chest, abdomen. Muscles and topography of the head and neck.	3	***situational solutionoral problems***
	13	**Quiz**: muscles and topography of the head and neck (2). Muscles and topography of the upper limb	3	***oral survey interview***
	14	**Quiz:**muscles and topography of the upper limb. (2) Muscles and topography of the lower limb.	3	***solution situationaloral problems survey***
Musculoskeletal system	15	**Quiz**: muscles and topography of the lower limb (2). Functional anatomy of the musculoskeletal system (muscle function and joint movements)	3	***oral survey interview***
	16	**Quiz:**muscle work and joint movements. **Control testing**: myology **Test**	3	***writingand oral questioning and testing***
Total:			**48**	
Semester 2				
Splanchnology	**1**	General information about the digestive system. Structure of the oral cavity.	3	***interview***
	2	Structure of the pharynx, esophagus, stomach.	3	***interview***

Section number	No. PR	Topics of seminars, practical work	Number of hours	Forms of current control
	3	Small and large intestine.	3	***interview***
	4	Liver and pancreas.	3	***oral survey***
	5	**Quiz:**structure of the digestive system. Projection of organs onto the anterior abdominal wall. Peritoneum.	3	***oral survey interview***
	6	**Quiz:**structure of the peritoneum. General information about the structure of the respiratory system. External nose, nasal	3	***situational solutions tasks oral questioning***
	7	Trachea, bronchi, lungs.	3	***interview***
	8	Pleura. Diaphragm.	3	***interviews e***
Splanchnology	**9**	**Quiz:**structure of the respiratory system. Diaphragm. Kidneys, ureters, bladder. Urethra	3	***oral interview testing interviews***
	10	**Quiz**: structure of the organs of the urinary system. Male genital organs.	3	***interviewse solution of situational problems***
	eleven	**Control survey:** structuremale genital organs. Female genital organs.	3	***situational solutionoral problems***
	12	**Control survey**: structurefemale genital organs. Male and female crotch.	3	***interviewse oral questioning***
	13	**Control survey**: structuremale and female perineum. Anatomy of the endocrine glands.	3	***interviewse oral questioning abstract***
	14	**Quiz**: anatomy of the endocrine glands. **Control testing**: splanchnology	3	***testing interview***
Cordially-vascular system	**15**	Functional And clinical anatomy of the heart.	3	***interviews e***
	16	Conduction system of the heart. Heart vessels. Pericardium. Mediastinum.	3	***interview***
	17	**Quiz**: structure of the heart, mediastinum. Places to listen to heart valves. Arteries of the pulmonary circulation. Aorta, parts, topography.	3	***testedsolving situational problems interview***

Section number	No. PR	Topics of seminars, practical work	Number of hours	Forms of current control
	18	Common, external and internal carotid arteries.	3	***interview***
	19	Subclavian artery.Blood supply to the brain.	3	***interview***
The cardiovascular system	**20**	**Quiz**: arteries of the head and neck. Blood supply to the brain.	3	***oral interview interview***
	21	Axillary artery. Arteriesfree upper limb.	3	***interview***
	22	**Quiz**: structure of the arteries of the upper limb. Chest And abdominal aorta. Parietal and visceral branches.	3	***interviewse oral questioning***
	23	**Quiz**: structure of the arteries of the body. Iliac arteries. Pelvic arteries.	3	***interviewse oral questioning***
	24	**Control survey**: iliacarteries, arteries of organs and pelvic walls. Arteries of the free lower limb.	3	***oral survey interview***
	25	**Quiz**: structure of the arteries of the lower limb. **Control testing**: anatomy of the heart and arterial system.	3	***oral interview testing***
	26	Systems of the superior and inferior vena cava.	3	***interviews e***
	27	Portal vein. Caval-caval anastomoses. Porto-caval anastomoses.	3	***interviewse solution of situational problems***
	28	Fetal circulation.	3	***interview***
	29	**Quiz**: structure of the venous system. General information about the structure and functions of the lymphatic system. Hematopoietic organs and	3	***interviewse oral questioning***
	thirty	Lymphatic vessels and nodes of the trunk, neck, head and limbs. The drainage of lymph from organs and parts of the body.	3	***oral questioning decision situational***
	31	**Quiz:**structure of the organs of the lymphatic, immune and hematopoietic systems. Blood supply to organs, venous and lymphatic drainage from organs.	3	***interviewse oral questioning***

Section number	No. PR	Topics of seminars, practical work	Number of hours	Forms of current control
	32	**Quiz:**blood supply to organs, venous and lymphatic drainage from organs. **Control testing**: venous and lymphatic systems. **Test**	3	***oral questioning decision situationaltesting of tasks***
Total			**96**	
Semester 3				
Central nervous system	**1**	General information about the nervous system. External and internal structure of the spinal cord. Topography of the spinal cord. Somatic reflex arc.	3	***testing interview***
	2	**Quiz**: structure of the spinal cord. Medulla. Hindbrain.	3	***oral survey interview***
	3	IV ventricle. Diamond-shaped fossa. Isthmus of the rhombencephalon.	3	***interview***
	4	**Quiz:**structure of departments brain derivatives of the rhombencephalon. Midbrain. Diencephalon.	3	***oral interview survey***
	5	**Quiz**: structure of the middle and intermediate parts of the brain. Finite brain. Hemispheres of the cerebrum, cloak. Localization of functions in the cerebral cortex.	3	***e oral survey interview***
	6	**Quiz:**structure of the telencephalon and localization of functions in the cerebral cortex.(2) Finite brain. Olfactory brain, basal ganglia, topography of white and gray matter. Lateral ventricles Meninges of the brain. Circulation of cerebrospinal fluid.	3	***oral survey interview***
	7	**Control survey:** structuretelencephalon and meninges (2). **Control testing**:central nervous system The pathways of the central nervous system.	3	***oral survey testing interview***
	8	**Quiz**: pathways of the central nervous system. Organ of vision. Organ of smell and taste.	3	***oral and written survey interview***
Sense organs	**9**	**Quiz:**organ of vision, organ smell and taste. Outer, middle and inner ear. Leather	3	***oral survey interview***

Section number	No. PR	Topics of seminars, practical work	Number of hours	Forms of current control
Peripheral nervous system	**10**	**Quiz:**structure of the organ of hearing and balance, skin. **Control testing**: sensory organs Anatomy of cranial nerves (1-6 pairs). Innervation of the skin and muscles by cranial nerves	3	***oral survey interviewtested***
	eleven	**Quiz**: anatomy of cranial nerves 1-6 pairs. Anatomy of cranial nerves (7-12 pairs). Innervation of the skin and muscles by cranial nerves	3	***oral survey interview***
	12	**Quiz**: anatomy of cranial nerves 7-12 pairs. Spinal nerves. Cervical plexus. Brachial plexus. Intercostal nerves. Innervation of muscles by spinal nerves by groups	3	***interviewse oral questioning***
Peripheral nervous system	**13**	**Quiz**: structure of the cervical, brachial plexuses, intercostal nerves.(2) Lumbar plexus. Sacral plexus. Coccygeal plexus. Innervation of muscles by spinal nerves by groups	3	***oral survey interview***
	14	**Quiz**: structure of the lumbar, sacral, coccygeal plexuses. (2) Sympathetic and parasympathetic divisions of the autonomic nervous system.	3	***oral interview testing***
	15	Autonomic innervation of organs, glands, vessels	3	***interview***
	16	**Quiz**: structure of the autonomic nervous system and innervation of organs.(2) **Control testing**: peripheral nervous system	3	***oral interview testing***
Total			**48**	

4.3. Independent work of students

Section number	Type of independent work of students	Number of hours	Forms of current control
Semester 1			
Musculoskeletal apparatus	Working with drugs; Solving situational problems	24	tests, tasks
	Preparation for current control; Reports, messages	12	reports, quiz
	Preparation for intermediate control	8	interview
Total		**44**	
Semester 2			
Splanchnologists I	Working with drugs; Solving situational problems	44	tests, tasks
The cardiovascular system	Preparation for current control; Reports, messages	44	reports, quiz
	Preparation for intermediate control	16	interview
Total		**104**	
Semester 3			
CNS	Working with drugs; Solving situational problems	20	tests, tasks
PNS	Preparation for current control; Reports, messages.	12	reports quizzes
Sense organs	Preparation for intermediate control	12	interview
Total		**44**	

V. ASSESSMENT FUND FOR CURRENT CONTROL AND INTERMEDIATE CERTIFICATION

The fund of assessment tools for determining the level of development of competencies as a result of mastering the discipline is an appendix to the work program.

VI. EDUCATIONAL AND METHODOLOGICAL ENSURING DISCIPLINE

6.1. Main literature.

1. Sapin M.R., Human Anatomy T.1: textbook: in 2 volumes / M.R. Sapin [etc.]; edited by M.R. Sapina.- M.: GEOTAR - Media, 2018.- T.1.- 528 p. //EBS "Student Consultant"

2. Sapin M.R., Human Anatomy T.2: textbook: in 2 volumes / M.R. Sapin [etc.]; edited by M.R. Sapina.- M.: GEOTAR - Media, 2018.- T.2. //EBS “Student Consultant”

3. Bilic G.L., Human Anatomy. Atlas. In 3 volumes. Volume 1. Musculoskeletal system: textbook / Bilich G.L., Kryzhanovsky V.A. - M. : GEOTAR-Media, 2013. // EBS "Student Consultant"

4. Bilic G.L., Human Anatomy. Atlas. In 3 volumes. Volume 2. Splanchnology: textbook / Bilich G.L., Kryzhanovsky V.A. - M. : GEOTAR-Media, 2013. // EBS "Student Consultant"

5. Bilic G.L., Human Anatomy. Atlas. In 3 volumes. Volume 3. Angiology. Nervous system: textbook / Bilich G.L., Kryzhanovsky V.A. - M. : GEOTAR-Media, 2013. // EBS "Student Consultant"

6.2. Additional literature.

1. Bilich G.L., Structure of the skull / Bilich G.L., Kryzhanovsky V.A. - M. : GEOTAR-Media, 2014. // EBS "Student Consultant"

2. Kalinin R. E., Human Anatomy. Musculoskeletal system / ed. R. E. Kalinina - M.: GEOTAR-Media, 2017. - 256 p. // EBS "Student Consultant"

3. Sapin M.R., Anatomy and topography of the nervous system: textbook. allowance / M. R. Sapin, D. B. Nikityuk, S. V. Klochkova. - M. : GEOTAR-Media, 2016. // EBS "Student Consultant"

6.3. List of educational Internet resources

Scroll Internet resources for 2020-2021 academic year

	ELECTRONIC EDUCATIONALRESOURCES	
1.	**Electronic libraryRostGMU**. – URL: http://109.195.230.156:9080/opacg/	n
2.	**Student Advisor**: EBS. – Moscow: LLC “IPUZ”. - URL:http:// www.studmedlib.ru	n
3.	**Doctor's consultant.**Electronic medical library: EBS. – Moscow: LLC GC "GEOTAR". - URL:http://www.rosmedlib.ru	n
4.	**UpToDate**:DB / Wolters Kluwer Health. – URL: www.uptodate.com	n
5.	**Consultant Plus**: reference legal system. - URL:http://www.consultant.ru	co m
6.	**Scientific electronic library eLIBRARY**. - URL: http://elibrary.ru	
7.	**National electronic library**. - URL: http://neb.rf/	con
8.	**Scopus**/ Elsevier Inc., Reed Elsevier. – Philadelphia: Elsevier BV, PA. – URL: http://www.scopus.com/*(National project)*	n
9.	**Web of Science** / Clarivate Analytics. - URL: http://apps.webofknowledge.com*(National project)*	n
10.	**ScienceDirect. FreedomCollection**[magazines]/ Elsevier. –URL: www.sciencedirect.comBy IP addressesRostSMU. *(National project)*	n
eleven.	**DB publishing houses SpringerNature**. -URL: http://link.springer.com/ByIP addresses RostSMU.(National project)	n
12.	**WileyOnlineLibrary** / JohnWiley&Sons. - URL: http://onlinelibrary.wiley.comBy IP addresses RostSMU.(National project)	com
13.	**One window access To informational resources**.-URL: http://window.edu.ru/	
14.	**Russian education. Federal educational portal**.- URL: http://www.edu.ru/index.php	
15.	**ENVOC.RUEnglishvocabulary**]: educational website For studyingEnglish language - URL:http://envoc.ru	
17.	**WordReference.com**:online linguistic dictionaries. - URL:http://www.wordreference.com/enru/	
21.	**Federal Electronic Medical Library of the Ministry of Health Russia**. - URL: http://www.femb.ru/feml/, http://feml.scsml.rssi.ru	

22.	**Medline** (PubMed, USA).– URL:https://www.ncbi.nlm.nih.gov/pubmed/	
23.	**Free Medical Journals**. -URL:http://freemedicaljournals.com	

26.	**CyberLeninka**: electronic bib. - URL: scien tifichttp://cyberleninka.ru/	Open access
27.	Archive scientific / NEICON. - URL: magazineshttps://archiv e.neicon.ru/xmlui/	Open access
28.	**Open access journals in Russian** /ElPub NEICON platform. – URL:https://elpub.ru/	Open access
29.	**Medical Herald South - Russia**.URL:https://www.medicalheral d.ru/jouror from the RostSMU website	Open access
thirty.	**Worldwide organization health**. - URL: http://who.int/ru/	Open access
31.	**Evrika.ru**information and educational portal for doctors. – URL:https://www.evrika.ru/	Open access
32.	**Med-Edu.ru**:medical video portal. - URL:http://www.med- edu.ru/	Open access
33.	**Univadis.ru**: international medical portal - URL: http://www.univadis.ru/	Open access
34.	**DoctorSPB.ru**: information-reference portal O - URL: medicine.http://doctorspb.ru/	Open access
35.	**Modern problems of science and education**: electronic magazine. - URL:http://www.science-education.ru/ru/issue/index	Open access

6.4. Software, information help systems:

Consultant Plus*[Electronic resource]: reference. legal system*. - Access mode:http://www.consultant.ru

6.5. Guidelines for students on mastering the discipline:

1. Chaplygina E.V. Collection of educational and methodological materials for current and intermediate control in anatomy for students of the medical and preventive faculty / E.V. Chaplygina, O.A. Kaplunova, I.V. Sankova [and others]. – Rostov n/d: Publishing house Rost State Medical University, 2016. - 106 p.

The same [Electronic resource]: electronic copy. – Access from EUB RostSMU.

VII. MATERIAL AND TECHNICAL SUPPORT OF DISCIPLINE

educational program in the field of training: MEDICINE

No.	Disciplines (modules):	Address (location) of classrooms, names of equipped classrooms, facilities for practical and laboratory classes, physical education and sports facilities with a list of main equipment	Equipment of the classroom (technical means, sets of demonstration equipment, laboratory equipment, etc.)	Number of computersto access the Internet

1	2	3	4	5

1	Anatomy	8th floor of the sub-faculty of Growth of State Medical University, educational and laboratory building No. 2, Rostov-on-Don, Kirovsky district, st. Suvorov No. 119/80 (LiterA) classroom No. 807(No. 6):	8 study tables, 1 table teacher, 25 chairs, blackboard, desk, hanger.	
2	Anatomy	8th floor of the sub-faculty of Growth of State Medical University, classroom No. 812(No. 8):	11 study tables, 1 table teachers, 23 chairs, educational board, desk, hanger.	
3	Anatomy	8th floor of the sub-faculty of Growth of State Medical University, classroom No. 814(No. 10):	12 study tables, 1 table teacher, 25 chairs, blackboard, desk hanger.	
4	Anatomy	8th floor of the sub-faculty of Growth of State Medical University, classroom No. 815(No. 11):	9 study tables, 1 table teacher, 25 chairs, blackboard, desk, hanger.	
5	Anatomy	8th floor of the sub-faculty of Growth of State Medical University, "laboratory" No. 801 “a”: racks and cabinets for drugs, containers for wet drugs.	Bone preparations, wet preparations for the section splanchnology and the central nervous system, tablets for the section myology and splanchnology, models for the section arthrology, splanchnology, angiology, peripheral nervous system. Laptop and multimedia projector (for presentations and educational films). Tables. Sets of radiographs, CT-grams, SCT-grams, MRI-grams of body areas, organs and systems for splanchnology and cardiovascular systems.	
6	Anatomy	Rostov-on-Don, Kirovsky district, lane Nakhichevan No. 38/56-58/212-214 (Liter L) **Lecture hall** building (No. 17) of the Department of Normal Anatomy for 150 seats.	Interactivemultimedia complex (for lecture presentations) - “Basis”, wall and projection screen, magnetic marker board.	

7	Anatomy	**Anatomical Museum**building of the department of normal anatomy (No. 16)	Collection of natural dry and wet preparations for all sections of anatomy; bone preparations normal and with abnormalities; some drugs with developmental defects. Dissected muscular and vascular cadavers for studying topographic issues. Egyptian mummies (2). Collection of animal and bird skulls (comparative anatomy). Collection of corrosive and cleared preparations. A collection of radiographs, CT images, SCT images, MRI images of body areas, organs and systems in various sections of anatomy. Used in classes educational purposes.	
8	Anatomy	**Skull Museum** Department No. 17 “in” building of normal anatomy	Collection of skulls of residents of the South of Russia: normal and with anomalies, skulls of newborns and adults (quantity about 300 pcs.)	
9	Anatomy	Classroom No. 1, building of the Department of Normal Anatomy	7 study tables. 1 table teacher, 17 chairs, blackboard, X-ray viewer. hanger	
10	Anatomy	Classroom No. 3, building of the Department of Normal Anatomy	7 study tables, 1 table teacher, 17 chairs, educational board, X-ray viewer, hanger.	
eleven	Anatomy	Classroom No. 11 “a” of the building of the Department of Normal Anatomy:	15 study tables. 1 table teacher, 40 chairs, educational board, TV for showing educational films, X-ray viewer, hanger.	
12	Anatomy	Classroom No. 11, building of the Department of Normal Anatomy:	8 study tables, 1 table teacher, 20 chairs, blackboard, TV for showing educational films, work desk, X-ray viewer, hanger.	

13	Anatomy	Classroom No. 13, building of the Department of Normal Anatomy:	11 study tables, 1 table teacher, 27 chairs, blackboard, X-ray viewer, hanger.	
14	Anatomy	Classroom No. 9, building Department of Normal Anatomy:	7 teaching tables, 1 teacher's table, 20 chairs, teaching board, X-ray viewer, hanger.	
15	Anatomy	Room No. 18 of the normal department building anatomy: "laboratory":racks and cabinets for drugs, containers for wet drugs.	Bone preparations, wet preparations for the section splanchnology and the central nervous system, tablets for the section myology and splanchnology, models for the section arthrology, splanchnology, angiology, peripheral nervous system. Laptop and multimedia projector (for presentations and educational films). Tables. Sets of radiographs, CT-grams, SCT-grams, MRI-grams of body areas, organs and systems for splanchnology and cardiovascular systems.	
16	Anatomy	Room No. 2 of the normal department building anatomy "laboratory"	Containers for storing wet biological products. Wet biological products by section: splanchnology and central nervous system	
17	Anatomy	Room No. 17 "a" of the building of the department of normal anatomy "laboratory" at the anatomical museum for preventive maintenance of preparations of the educational anatomical museum	3 desktops, laptop, printer, scanner. Tools, materials and solutions for the restoration of museum preparations.	

18	Anatomy	Room No. 17 “b” of the building of the Department of Normal Anatomy "laboratory"for preventive restoration of drugs used in the educational process of the department.	2 work tables, drying cabinet. Tools and materials for restoration of educational preparations.	

Sum of points	Ratings
85 -100	5
71 - 84	4
60 -70	3
60 - 100	passed
0-59	2

Appendix 2

CHECKLIST

by discipline:**anatomy**

I approve
Head of department____FULL NAME.

intermediate certification

form:***test***Department_normal anatomy_____
_____Well1_____Semester1_____Speciality**05/31/01 General medicine**

No.	Types of control	Number of points for 1 control event*	Number of events	credit score
	***Current control**:*	3-5	17	from 3 to 5
	solving situational problems			
	oral interview			with 70% of the material passed and 75% of classes attended
	test control			
	***Frontier control**:* *testing*	3-5	3	
	Total			

Accrual of bonus points: speaking at conferences, club meetings, publication of scientific work, production of anatomical preparations, participation in the anatomical Olympiad (1-5)

Sum of points	Ratings
85 -100	5
71 - 84	4
60 -70	3
60 - 100	passed
0-59	2

Appendix 2

CHECKLIST

by discipline:**anatomy**

I approve
Head of department____FULL NAME.

intermediate certification

form:***test***Department_normal anatomy
_____Well1_____Semester 2
_____Specialty 05/31/01_ General Medicine

No.	Types of control	Number of points for 1 control event*	Number of events	credit score
	***Current control**:*	3-5	17	from 3 to 5
	test control,			
	solving situational problems			with 70% of the material passed and 75% of classes attended
	oral interview			
	***Frontier control**:* *Testing*	3-5	3	
	Total			

Accrual of bonus points: speaking at conferences, club meetings, publication of scientific work, production of anatomical preparations, participation in the anatomical Olympiad (1-5)

Sum of points	Ratings
85 -100	5
71 - 84	4
60 -70	3
60 - 100	passed
0-59	2

Appendix 2

CHECKLIST

by discipline:**anatomy**

I approve
Head of department____FULL NAME.

intermediate certification

form:***exam***Department_normal anatomy
_____Well2_____Semester_3
_____Specialty 05/31/01_ General Medicine

No.	Types of control	Number of points for 1 control event*	Number of events	number of points
	***Current control**:*	3-5	17	
	test control,			
	solving situational problems			
	oral interview			
	***Frontier control**:* *Testing*	3-5	3	

Accrual of bonus points: speaking at conferences, club meetings, publication of scientific work, production of anatomical preparations, participation in the anatomical Olympiad (1-5)