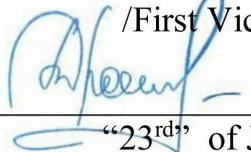


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Информация о владельце:
ФИО: Стегний Кирилл Владимирович
Должность: И.о. ректора
Дата подписания: 25.09.2026 05:37:43
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FEDERAL STATE BUDGETARY EDUCATIONAL INSTITUTION
OF HIGHER EDUCATION
“PACIFIC STATE MEDICAL UNIVERSITY”
OF THE MINISTRY HEALTH CARE OF THE RUSSIAN FEDERATION

APPROVED BY
/First Vice-Rector

 / Dvoynikova E.R./
“23rd” of June 2026

SUBJECT CURRICULUM FOR THE DISCIPLINE

B1.C.46 Topographic anatomy of the head and neck

(наименование дисциплины (модуля))

Speciality): 31.05.03 Dentistry

Mode of Study: Full-time

Duration of the CEP: 5 years

Department Institute of Simulation and Accreditation Technologies

Vladivostok, 2026

Subject Curriculum for the discipline **B1.C.46 Topographic anatomy of the head and neck** has been developed in reliance on:

1) Federal State Educational Standards of Higher Education for 31.05.03 Dentistry approved by Russian Federation Ministry of Science and Higher Education, August 12, 2020, No. 984.

2) Curriculum for the 31.05.03 Dentistry for foreign students (English-language program), profile 02 "Healthcare" (in the field of providing health care in patients with dental pathology), approved by the Academic Council of FSBEI HE PSMU of the Ministry of Health of Russia Report No. 1-7/25-26 dated March 27, 2026.

The working program of the discipline was developed by the author's team of the Institute of Simulation and Accreditation Technologies of the Federal State Budgetary Educational Institution of Higher Medical Education of the Ministry of Health of the Russian Federation, under the leadership of the director of the Institute, Valery Viktorovich Gnezdilov

Developers:

Lecturer
(present position)

Ph.D. of Medical Sciences
(signature)

D.V. Korolev
(printed name)

1. INTRODUCTION

1.1. The purpose and objectives of mastering the discipline (module) B1.O.42 Topographic anatomy of the head and neck.

The purpose of mastering the discipline (module) B1.O.42 Topographic anatomy of the head and neck is the anatomical and surgical training of students necessary for subsequent studies at clinical departments and in independent medical practice.

At the same time the tasks of the discipline are:

1. formation of students' knowledge of the topographic anatomy of areas, organs and systems, paying special attention to the clinically important anatomical and functional features of childhood.
2. formation of students' skills to apply the acquired topographic and anatomical knowledge to substantiate the diagnosis, explain the features of the course of pathological processes, and solve diagnostic and surgical tasks.
3. students' mastery of basic surgical procedures and some typical surgical techniques.

2. PLACE OF THE DISCIPLINE (MODULE) IN THE STRUCTURE OF THE BASIC EDUCATIONAL PROGRAM

Discipline (module) B1.O.42 Topographic anatomy of the head and neck belongs to the basic part of the basic educational program of higher education in the field of training 31.05.03 Dentistry, and is studied in 2 semester.

3. PLANNED TRAINING RESULTS FOR DISCIPLINE (MODULE)

3.1. Mastering the discipline (module) B1.C.46 Topographic anatomy of the head and neck is aimed at the formation of competencies from students. The discipline (module) ensures the formation of competencies among students, depending on the types of tasks of professional activity.

Competence code	Formulation of competence	Indicators of Competence Achievement
General professional competencies		
Basic principles of fundamental and natural sciences	GPC-9. Able to evaluate morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems	AI.GPC-9 ₁ - evaluates morphofunctional state of organs AI.GPC-9 ₂ - distinguishes between pathologic and physiologic processes, determines etiology causes of changes AI.GPC-9 ₃ - provides diagnostic evaluation of the revealed changes

3.2. Types of professional activities based on the competencies formed during implementation Topographic anatomy of the head and neck discipline:

~ The types of professional activities that underlie the teaching of this discipline:
medical;

- ~ Tasks of professional activities of graduates:
- ~ diagnostic activity;
- ~ medical activity;
- ~ rehabilitation;
- ~ prevention;
- ~ organizational activities.

3.3. The planned learning outcomes in the discipline (module) are expressed in knowledge, skills, and (or) work experience, characterize the stages of competence formation and ensure the achievement of the planned results of mastering the basic educational program. The results of training in the discipline are correlated with indicators of competence achievement.

4. SCOPE AND CONTENT OF THE DISCIPLINE (MODULE)

4.1. Scope of the discipline (module) and types of academic work

Type of academic work (may be changed and/or supplemented depending on the implementation of the discipline, but in strict accordance with the curriculum)		Total hours	Semester
			№ 2
			hours
1		2	3
Classroom classes (total), including:		64	64
Lectures		16	16
Practical exercises		48	48
Self-study activities of a student including		44	44
<i>Electronic educational resource: including lectures</i>		-	-
<i>Preparation for classes</i>		20	20
<i>Preparation for routine control</i>		10	10
<i>Preparation for the intermediate certification</i>		10	10
Intermediate certification		4	4
Type of intermediate certification	test	4	4
	exam	-	-
TOTAL: Total workload	hours	108	108
	CU	3	3

4.2. Content of the discipline

4.2.1. Lecture topics and number of hours per semester of study of the discipline (module)

№	Lecture topics	Hours
1	2	3
Semester 2		
1.	Introductory. Tasks and methods of studying topographic anatomy and operative surgery.	2
2.	Connection and separation of tissues: rules and technique. Stopping bleeding: temporary and final. Fundamentals of surgical interventions on blood vessels.	2

3.	Topographic anatomy of the vault and base of the skull: frontal-parietal-occipital, temporal, mammillary regions. Topographic anatomy of the facial part of the head: buccal, parotid-masticatory, deep regions of the face.	2
4.	Topography of the facial and trigeminal nerves. Features of the blood supply to the soft tissues of the skull. Primary surgical treatment of facial wounds. Incisions for phlegmons of the maxillofacial localization.	2
5.	Blood supply of the brain. Sinuses of the dura mater. Cranio-cerebral topography. Primary surgical treatment of skull wounds. Craniotomy.	2
6.	Topographic anatomy of the neck: division into triangles, fascia and cellular spaces. Topography of the suprahyoid region, carotid triangle, lateral triangle of the neck.	2
7.	Topography of the suprahyoid region, carotid triangle, lateral triangle of the neck. Topography of the neck organs: thyroid and parathyroid glands, larynx, trachea, pharynx, esophagus.	2
8.	Access and ligation of the carotid artery. Incisions for phlegmon of the neck. Vagosympathetic block according to Vishnevsky. Puncture and catheterization of the subclavian vein. Tracheostomy. Resection of the thyroid gland.	2
	Total hours per semester	16

4.2.2. The topics of practical classes and the number of hours per semester of study of the discipline (module)

№	Practical lesson topics	Hours
1	2	3
Semester 2		
1	Methods of studying topographic anatomy. Surgical instruments.	4
2	Connection and separation of tissues: rules and techniques. Stopping the bleeding: temporary and final.	4
3	Topographic anatomy of the cranial vault: frontal-parietal-occipital, temporal, mammillary regions. Primary surgical treatment of skull wounds. Cranial trepanation.	4
4	Topography of the skull base. Topographic anatomy of the facial part of the head: buccal, parotid-masticatory, deep areas of the face. Topography of the facial and trigeminal nerves.	4
5	Blood supply of the brain. Sinuses of the dura mater. Cranio-cerebral topography. Features of blood supply to the soft tissues of the skull.	4
6	Primary surgical treatment of facial wounds. Incisions for maxillofacial phlegmon.	4
7	Topographic anatomy of the neck: division into triangles, fascia and cellular spaces. Topography of the suprahyoid region, carotid triangle, lateral triangle of the neck.	4
8	Vascular-nerve bundle of the upper limb, prescalene and interscalene spaces.	4
9	Topography of the neck organs: thyroid and parathyroid glands.	4
10	Topography of the neck organs: larynx, trachea, pharynx, esophagus.	4
11	Access and ligation of the carotid artery. Incisions for phlegmon of the neck. Vagosympathetic block according to Vishnevsky. Puncture and catheterization of the subclavian vein. Tracheostomy. Resection of the thyroid gland.	4

12	Final lesson: test control, practicing practical skills (suturing skin, muscles, vessels, nerves, tendons, ligation of vessels).	4
	Total hours per semester	48

4.2.3. Independent work of the student

№	Name of the section of the academic discipline (module)	Types of independent work	Total hours
1	3	4	5
Semester 2			
1	Methods of studying topographic anatomy. Surgical instruments.	-work with educational literature -preparation for the lesson -preparation for testing the initial level of knowledge	4
2	Connection and separation of tissues: rules and techniques. Stopping the bleeding: temporary and final.	-work with educational literature -preparation for the lesson -preparation for the current control	3
3	Topographic anatomy of the cranial vault: frontal-parietal-occipital, temporal, mammillary regions. Primary surgical treatment of skull wounds. Cranial trepanation.	-work with educational literature -preparation for the lesson -preparation for the current control -preparation for intermediate control -writing of abstracts	4
4	Topography of the skull base. Topographic anatomy of the facial part of the head: buccal, parotid-masticatory, deep areas of the face. Topography of the facial and trigeminal nerves.	-work with educational literature -preparation for the lesson -preparation for the current control	4
5	Blood supply of the brain. Sinuses of the dura mater. Cranio-cerebral topography. Features of blood supply to the soft tissues of the skull.	-work with educational literature -preparation for the lesson -preparation for the current control	4
6	Primary surgical treatment of facial wounds. Incisions for maxillofacial phlegmon.	-work with educational literature -preparation for the lesson -preparation for the current control -preparation for intermediate control -writing of abstracts	3
7	Topographic anatomy of the neck: division into triangles, fascia and cellular spaces. Topography of the suprahyoid region, carotid triangle, lateral triangle of the neck.	-work with educational literature -preparation for the lesson -preparation for the current control	4
8	Vascular-nerve bundle of the upper limb, prescalene and interscalene spaces.	-work with educational literature -preparation for the lesson -preparation for the current control	4
9	Topography of the neck organs: thyroid and parathyroid glands.	-work with educational literature -preparation for the lesson -preparation for the current control -preparation for intermediate control	3

		-writing of abstracts	
10	Topography of the neck organs: larynx, trachea, pharynx, esophagus.	-work with educational literature -preparation for the lesson -preparation for the current control	4
11	Access and ligation of the carotid artery. Incisions for phlegmon of the neck. Vagosympathetic block according to Vishnevsky. Puncture and catheterization of the subclavian vein. Tracheostomy. Resection of the thyroid gland.	-work with educational literature -preparation for the lesson -preparation for the current control	4
12	Final lesson: test control, practicing practical skills (suturing skin, muscles, vessels, nerves, tendons, ligation of vessels).	-work with educational literature -preparation for the lesson -preparation for the current control	3
	Total hours per semester		44

5. CONDITIONS FOR THE IMPLEMENTATION OF THE DISCIPLINE (MODULE)

5.1. Educational, methodological and informational support of the academic discipline
B1.O.42 Topographic anatomy of the head and neck

Basic literature:

№	Name, type of resource	Author(s) /Editor	Output data, email address	Number of copies (accesses) to the BIC
1	2	3	4	5
1	Topographic Anatomy and Operative Surgery: textbook	Nikolaev A.V.	Москва: ГЭОТАР-Медиа, 2019. - 672 с. - ISBN 978-5-9704-5300-1. - Текст : электронный // ЭБС "Консультант студента": [сайт]. - URL : https://www.studentlibrary.ru/book/ISBN9785970453001.html	Unlim. access

Additional literature:

№	Name, type of resource	Author(s) /Editor	Output data, email address	Number of copies (accesses) to the BIC
1	2	3	4	5
1	Textbook of human anatomy for medical students. Vol 1	M. R. Sapin, L. L. Kolesnikov, D. B. Nikitjuk и др.	2-е изд. (эл.). - М.: Новая волна, 2019. - 416 с. - ISBN 9785786402101. -	Unlim. access

			Текст : электронный // ЭБС "Букап": [сайт]. - URL : https://www.books-up.ru/ru/book/textbook-of-human-anatomy-for-medical-students-vol-1-7421613/	
2	Textbook of human anatomy for medical students. Vol 2	L. L. Kolesnikov, D. B. Nikitjuk, M. R. Sapin и др.	2-е изд. (эл.). - М.: Новая волна, 2019. - 480 с. - ISBN 9785786402118. - Текст: электронный // ЭБС "Букап" : [сайт]. - URL : https://www.books-up.ru/ru/book/textbook-of-human-anatomy-for-medical-students-vol-2-7421930/	Unlim. access

Library Resources

1. EBS "student consultant" <http://studmedlib.ru/>
2. EBS "University library online" <http://www.biblioclub.ru/>
3. EBS "Yurayt" <https://urait.ru/>
4. EBS "BookUp " <https://www.books-up.ru/>
5. Own resources BIC FSBEI he TSMU Ministry of health of the Russian Federation TSMU <https://tgmu.ru/>

Online resources and instructions for their use are posted on the page of the Library and Information Center Library and Information Center - Federal State Budgetary Educational Institution of Higher Medical Education of the Ministry of Health of the Russian Federation (tgmu.ru)



5.2. Material and technical support of the academic discipline (module)

Information on the logistical support of the discipline is posted on the official website of the University of Logistics and equipment of the educational process. Federal Budgetary Educational Institution of Higher Education "Pacific State Medical University" of the Ministry of Health of the Russian Federation (tgmu.ru)



5.3. The list of information technologies used for the implementation of the educational process in the discipline (module), information and reference systems, licensed and freely distributed software, including domestic production:

1. PolycomTelepresence M100 Desktop Conferencing Application (BKC)
2. SunRavSoftwareTester
3. 7-PDF Split&Merge
4. ABBYYFineReader
5. KasperskyEndpointSecurity
6. Online testing system INDIGO
7. MicrosoftWindows 7
8. MicrosoftOfficeProPlus 2013
9. 1C: University
10. Garant
11. MOODLE (modular object-oriented dynamic learning environment)

6. THE SPECIFICS OF THE DISCIPLINE'S IMPLEMENTATION FOR STUDENTS WITH DISABILITIES AND PEOPLE WITH DISABILITIES

6.1. Availability of appropriate conditions for the implementation of the discipline.

For students with disabilities and persons with disabilities, on the basis of a written application, the discipline is implemented taking into account the characteristics of psychophysical development, individual capabilities and health status (hereinafter referred to as individual characteristics). The following general requirements are met: the use of special technical training facilities for collective and individual use, the provision of the services of an assistant (assistant) who provides such students with the necessary technical assistance, access to buildings and premises where classes are held, and other conditions without which it is impossible or difficult to study the discipline.

6.2. Ensuring compliance with general requirements.

When implementing the discipline, the following general requirements are met on the basis of a written application from the student: conducting classes for students with disabilities and persons with disabilities in the same classroom with students without disabilities, if this does not create difficulties for students; the presence in the classroom of an assistant (assistants) who provides students with the necessary technical assistance taking into account their individual characteristics; the use of technical means necessary for students, taking into account their individual characteristics.

6.3. Informing students with disabilities in an accessible form of all local regulations of the Federal State Budgetary Educational Institution of Higher Education Pacific State Medical University of the Ministry of Health of the Russian Federation.

All local regulations of the PSMU on the implementation of the discipline (module) are brought to the attention of students with disabilities in a form accessible to them.

6.4. Implementation of an increase in the duration of the intermediate certification in relation to the established duration for students with disabilities.

The form of the current and interim certification in the discipline for students with disabilities and persons with disabilities is established taking into account individual psychophysical characteristics (orally, in writing on paper, in writing on a computer, in the form of testing, etc.). The duration of the interim certification in relation to the established duration is

increased upon written application of the student with disabilities. The duration of the student's preparation for the test is increased by at least 0.5 hours.

7. STAFFING TABLE OF THE DISCIPLINE

The staff of scientific and pedagogical staff who ensure the implementation of the educational process in the discipline meets the requirements of the Federal State Educational Standard for Higher Education in the specialty 31.05.01 General Medicine and is posted on the educational organization's website.



8. EDUCATIONAL WORK IN THE IMPLEMENTATION OF DISCIPLINE

Type of educational work	Forms and directions of educational work	Evaluation criteria
Personal development assistance	Open Discipline "Topographic anatomy and operative surgery" Conversations and problematic debates on promoting a healthy lifestyle. Participation in interdepartmental conferences on the formation of a culture of healthy lifestyle, the development of the ability to maintain and strengthen health	Portfolio
	Hidden – creating an atmosphere, infrastructure Discipline "Topographic anatomy and operative surgery" Formation of a culture of healthy lifestyle, development of the ability to maintain and strengthen health Creating a friendly and respectful atmosphere with a high level of communication skills in the implementation of discipline	
Civic values	Open Discipline "Topographic Anatomy and operative Surgery" Conducting events that promote the education of civil law culture (round tables, debates, talks Topical short debates in the presence of special events	Portfolio
	Hidden Discipline "Topographic Anatomy and operative Surgery" Focusing on common civil value orientations and legal culture Conscious citizenship in the implementation of professional activities	
Social values	Open Discipline "Topographic Anatomy and operative Surgery" Coverage of issues related to the organization of a healthy lifestyle based on health-saving technologies Coverage of environmental issues, environmental problems as a factor affecting public health and individual population risks	Portfolio
	Hidden Discipline "Topographic Anatomy and operative surgery" Identification in the social structure during education and professional activity	