Документ подписан простой электронной подписью
Информация о владельце:
ФИО: Стегний Кирилл Владимирович
Должность: И.о. ректора
Дата подписания: 02.04.2026 08:45:46
Уникальный программный ключ:
d59234ba928aea5c04c54eb9013e367220b6b2ae

Federal State Budget Educational Institution
of Higher Education
Pacific State Medical University
of the Ministry of Health of the Russian Federation

APPROVED BY
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_____ /Shumatov V.B./
"15th" of April 2025

SUBJECT GUIDE FOR TEACHERS AND STUDENTS FOR

Б1.О.43 First aid. Basic cardiopulmonary resuscitation

(Name of discipline)

Specialty	**31.05.03 Dentistry for international students (in English)** (code, name)
Degree	Specialist's degree
Profile	02 "Healthcare" (in the field of providing health care in patients with dental pathology)
Mode of study	**Full-time**
Period of mastering the BEP	**5 years** (nominal length of study)
Department	of Anesthesiology, Resuscitation, Intensive Care, and Emergency Medical Care

Vladivostok, 2025

Subject guide for teachers and students for **Б1.О.43 First aid. Basic cardiopulmonary resuscitation** is based on:

1) Federal State Educational Standard of Higher Education for the specialty approved by the Order No. 988 of Ministry of Science and Higher Education of the Russian Federation
dated August 12, 2020.

2) Curriculum for the 31.05.03 Dentistry for international students (in English), 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. 8/24-25 dated March 31, 2025.

Subject guide for teachers and students for **Б1.О.43 First aid. Basic cardiopulmonary resuscitation** was developed by the writing team of the Department of Anesthesiology, Resuscitation, Intensive Care, and Emergency Medical Care of the FSBEI HE PSMU of the Ministry of Health of Russia, under the guidance of the Head of the Department, Doctor of Medical Sciences Shumatov V.B.

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1. GENERAL PROVISIONS

Subject guide for **Б1.О.43 First aid. Basic cardiopulmonary resuscitation** is a set of recommendations and explanations that facilitate to optimal organization of mastering this discipline.

Regular analysis of lecture materials and work with end-of-the-text questions are necessary for better understanding of the material and systematization of knowledge of **Б1.О.43 First aid. Basic cardiopulmonary resuscitation**. Particular attention should be paid to emerging questions, confusing terms, and conflicts of points of view during the independent review of the lecture material. If necessary, a student should contact the teacher for advice. Lecture material streamlines students' thinking, while practical classes provide deeper insight into the material of the discipline.

Special attention should be paid to the content of the main provisions and conclusions, explanation of phenomena and facts, and clarification of the practical application of theoretic aspects of topic when preparing for a practical class. During this process students should aim to understand and remember the main provisions of the material under consideration, examples provided, as well as understand the illustrative material.

Collections of assessment tools are used to organize independent study of topics of **Б1.О.43 First aid. Basic cardiopulmonary resuscitation.**

Independent work of students is facilitated by the following:

1. availability and accessibility of the necessary educational and reference material;
2. a system of regular quality control of completed independent work;
3. availability of teacher's advice.

Subject guides for self-study are presented as literary sources. Subject guides for independent work of students include a list of library resources of the educational institution and other materials accessible to students.

Independent work is a type of in-person extracurricular work of teachers and students of **Б1.О.43 First aid. Basic cardiopulmonary resuscitation**. Control of independent work is conducted by the leading teacher. Evaluation of independent work results is taken into account when conducting interim examination of students throughout **Б1.О.43 First aid. Basic cardiopulmonary resuscitation** course.

Continuous assessment during **Б1.О.43 First aid. Basic cardiopulmonary resuscitation** course is implemented in order to check indicators of achieving competencies, to stimulate students' academic work, and improve methods of mastering new knowledge. Continuous assessment during **Б1.О.43 First aid. Basic cardiopulmonary resuscitation** course is conducted during the semester to assess all types and sections of the academic discipline that encompass the competencies developed by the discipline: classroom questioning, conducting discussions, working with tests, preparing reports. Continuous assessment of students' knowledge and results of their preparation for practical classes is conducted during every class session.

Interim assessment aims to determine the level of mastery of competency indicators. It is conducted in the test format after the student has mastered all sections of **Б1.О.43 First aid. Basic cardiopulmonary resuscitation** and takes into account learning outcomes for all types of student work over the entire period of mastering **Б1.О.43 First aid. Basic cardiopulmonary resuscitation** course.

Time allotted for interim assessment is indicated in the schedule.

Assignments given during practical classes, as well as assignments aimed to prepare students for continuous and interim assessment, are included in the collection of assessment tools for **Б1.О.43 First aid. Basic cardiopulmonary resuscitation**. If necessary, students should contact the teacher for advice. It is necessary to thoroughly think over questions that need clarification before seeking teacher's advice.

2. SUBJECT GUIDES FOR LECTURE CLASSES

Table 1. Subject Guides for **Б1.О.43 First aid. Basic cardiopulmonary resuscitation** Lectures

Topic No.1 Terminal conditions. Basic cardiopulmonary resuscitation	
Duration of the lecture (in academic hours):	2
Purpose of the lecture: 1. tell students about the algorithm of basic cardiopulmonary resuscitation in adults and children; 2. define key terms: terminal condition, clinical and biological death, types of cessation of blood circulation; 3. examine the methods of using an automated external defibrillator (AED).	
Lecture plan, order of presentation of its sections: - Definition of the process of death - Stages of terminal condition - Types of cessation of blood circulation and their causes - Main principles of diagnosing and differentiation between types of cessation of blood circulation - Main indicators of clinical death - Indicators of biological death - Order of the Ministry of Health of the Russian Federation that outlines sequence and duration of resuscitation procedure and determination of brain death - Stages and phases of cardiopulmonary resuscitation - Age ranges and indications for cardiopulmonary resuscitation - Definition of defibrillation and types of defibrillation - Modern approach to conducting electric defibrillation and determining its necessity - Algorithm of basic cardiopulmonary resuscitation	
Recommended reading: 1. Первая помощь [Электронный ресурс] Демичев С. В. М.: ГЭОТАР-Медиа, 2023 URL: https://www.studentlibrary.ru/book/ISBN9785970475430.html 2. Основы оказания первой помощи. Учебное пособие [Электронный ресурс] Под ред. Миннуллин И.П., Плахов Н.Н., Дежурный Л.И. М.: ГЭОТАР-Медиа, 2022 URL: https://www.studentlibrary.ru/book/ISBN9785970472200.html 3. Сердечно-легочная реанимация. Клинические рекомендации. Учебное пособие для студентов [Электронный ресурс] Федоровский Н.В. М.: ООО МИА, 2020 URL: https://www.medlib.ru/library/library/books/498 4. Оказание первичной доврачебной медико-санитарной помощи при неотложных и экстремальных состояниях. Учебник [Электронный ресурс] Левчук И.П., Соков С.Л., Курочка А.В., Назаров А.П. М.: ГЭОТАР-Медиа, 2023. – 288 с. URL: http://www.rosmedlib.ru/ 5. Скорая и неотложная помощь. Общие вопросы реаниматологии [Электронный ресурс] Геккиева А.Д. М.: ГЭОТАР-Медиа, 2021. URL: http://www.rosmedlib.ru/ 6. Основы реаниматологии [Электронный ресурс] Сумин С.А., Окунская Т.В. М.: ГЭОТАР-Медиа, 2020 URL: https://www.studentlibrary.ru/book/ISBN9785970454916.html	
Topic No.2 Acute vascular insufficiency. Anaphylaxis	
Duration of the lecture (in academic hours):	2

Purpose of the lecture:
1. tell students about the causes, clinical manifestation, and complications of acute vascular insufficiency and anaphylaxis;
2. define key terms: acute vascular insufficiency, anaphylaxis, their pathogenesis;
3. examine the methods of providing emergency medical aid to patients with acute vascular insufficiency or anaphylaxis.

Lecture plan, order of presentation of its sections:
- Syncope definition
- Classification of syncope, pathophysiological mechanisms, differential diagnosis
- Syncope first aid
- Hysteric syncope
- Collapse
- Anaphylaxis definition
- Anaphylaxis causes
- Anaphylaxis pathogenesis
- Aspects and types of anaphylaxis
- Assessment of severity of anaphylaxis
- Treatment of anaphylaxis

Recommended reading:
1. Первая помощь [Электронный ресурс] Демичев С. В. М.: ГЭОТАР-Медиа, 2023 URL: https://www.studentlibrary.ru/book/ISBN9785970475430.html
2. Основы реаниматологии [Электронный ресурс] Сумин С.А., Окунская Т.В. М.: ГЭОТАР-Медиа, 2020 URL: https://www.studentlibrary.ru/book/ISBN9785970454916.html

Topic No.3 Hemorrhage (bleeding) and blood loss. Temporary bleeding arrest methods

Duration of the lecture (in academic hours):	2

1. tell students about causes, classification, clinical manifestation, and complications of haemorrhage and blood loss.;
2. define hemorrhagic shock;
3. examine the methods of bleeding arrest and initial treatment of acute blood loss.

Lecture plan, order of presentation of its sections:
- Definitions, classification
- Causes
- Clinical manifestation of hemorrhage (bleeding)
- Hemorrhagic shock
- Shock index
- Bleeding arrest methods
- Location of direct pressure to an artery as a means of bleeding arrest
- Tourniquet application rules
- Principles of infusion therapy

Recommended reading:
1. Первая помощь [Электронный ресурс] Демичев С. В. М.: ГЭОТАР-Медиа, 2023 URL: https://www.studentlibrary.ru/book/ISBN9785970475430.html
2. Основы оказания первой помощи. Учебное пособие [Электронный ресурс] Под ред. Миннуллин И.П., Плахов Н.Н., Дежурный Л.И. М.: ГЭОТАР-Медиа, 2022 URL: https://www.studentlibrary.ru/book/ISBN9785970472200.html
3. Оказание первичной доврачебной медико-санитарной помощи при неотложных и экстремальных состояниях. Учебник [Электронный ресурс] Левчук И.П., Соков

С.Л., Курочка А.В., Назаров А.П. М.: ГЭОТАР-Медиа, 2023. – 288 с. URL: http://www.rosmedlib.ru/
4. Основы реаниматологии [Электронный ресурс] Сумин С.А., Окунская Т.В. М.: ГЭОТАР-Медиа, 2020 URL: https://www.studentlibrary.ru/book/ISBN9785970454916.html

Topic No.4 Fractures. Immobilization and transportation. Rules of triage and transportation

Duration of the lecture (in academic hours):	2

Purpose of the lecture:
1. tell students about types of mechanical trauma, their classification, diagnosis, rules of triage and transportation;
2. explain indication for and rules of immobilization and transportation;
3. examine the typical mistakes in and complications of immobilization, triage, and transportation.

Lecture plan, order of presentation of its sections:
- Classification of mechanical trauma
- Diagnosis
- Emergency medical aid
- Indications for immobilization and transportation
- Rules of immobilization and transportation
- Typical mistakes in immobilization and transportation

Complications of immobilization and transportation

Recommended reading:
1. Первая помощь [Электронный ресурс] Демичев С. В. М.: ГЭОТАР-Медиа, 2023 URL: https://www.studentlibrary.ru/book/ISBN9785970475430.html
2. Основы оказания первой помощи. Учебное пособие [Электронный ресурс] Под ред. Миннуллин И.П., Плахов Н.Н., Дежурный Л.И. М.: ГЭОТАР-Медиа, 2022 URL: https://www.studentlibrary.ru/book/ISBN9785970472200.html
3. Оказание первичной доврачебной медико-санитарной помощи при неотложных и экстремальных состояниях. Учебник [Электронный ресурс] Левчук И.П., Соков С.Л., Курочка А.В., Назаров А.П. М.: ГЭОТАР-Медиа, 2023. – 288 с. URL: http://www.rosmedlib.ru/
4. Основы реаниматологии [Электронный ресурс] Сумин С.А., Окунская Т.В. М.: ГЭОТАР-Медиа, 2020 URL: https://www.studentlibrary.ru/book/ISBN9785970454916.html

Topic No.5 Thermal injury

Duration of the lecture (in academic hours):	2

Purpose of the lecture:
1. tell students about thermal injury, classification, pathogenesis, and clinical manifestations of thermal injuries;
2. define burn shock;
3. examine the thermal injury first aid.

Lecture plan, order of presentation of its sections:
Lecture plan, order of presentation of its sections:
- Definition of a burn
- Classification of burns
- Determining burn depth
- Burn disease

- Burn shock
- Acute burn toxemia. Septicotoxemia
- Burn treatment
- Hyperthermia
- Clinical manifestations and stages of hyperthermia. Treatment and prevention of hyperthermia
- Cold injury, frostbite
- Classification
- Clinical manifestation and diagnosis
- Clinical characteristic of frostbite stages
- Frostbite treatment
- Hypothermia
- Stages of hypothermia
- Treatment and prevention of hypothermia

Recommended reading:

1. Первая помощь [Электронный ресурс] Демичев С. В. М.: ГЭОТАР-Медиа, 2023 URL: https://www.studentlibrary.ru/book/ISBN9785970475430.html
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3. SUBJECT GUIDES FOR PRACTICAL CLASSES

Table 2. Subject Guides for Practical **Б1.О.43 First aid. Basic cardiopulmonary resuscitation** Classes

Topic No.1 Terminal conditions. Basic cardiopulmonary resuscitation. Automated external defibrillation. Creating maximized airway in patients with foreign body of the airways	
Duration of the practical class (in academic hours):	6

Purpose of the practical class:

1. consolidate acquired knowledge of cardiopulmonary resuscitation and creating maximized airway in children and in adults;
2. during the discussion, outline the main indications and contraindications for cardiopulmonary resuscitation, primary etiological causes, clinical manifestations and pathogenesis of terminal conditions and upper respiratory track obstruction;
3. thoroughly go over definitions and concepts of terminal conditions, airway obstruction, and aspiration;
4. study the algorithm of basic cardiopulmonary resuscitation in adults and children, as well as creating maximized airway;
5. develop the approach to conducting basic cardiopulmonary resuscitation in adults and children, as well as resolving acute airway obstruction.

Practical classes requirements: classrooms equipped with multimedia equipment, blackboards, "Resusci Anne" manikin, adult manikin for cardiopulmonary resuscitation training, “Little Anne” manikin, simulator for cardiopulmonary resuscitation training (torso) with a light indicator, dummy PowerHeart AED with electrodes and a cord connecting it to a manikin, simulator for

tracheal intubation in adults LAMT, head manikin for tracheal intubation, “Chocking Charlie” manikin, Heimlich maneuver simulator, aspiration in adults simulator, adolescent choking manikin, foreign body aspiration in infants simulator, subject guides for the discipline

Independent work of the student: preparation of a report on the lecture and working with study materials.

Methods of evaluation of acquired knowledge and skills: review of reports, discussions, quizzes, tests.

Recommended reading:

1. Первая помощь [Электронный ресурс] Демичев С. В. М.: ГЭОТАР-Медиа, 2023 URL: https://www.studentlibrary.ru/book/ISBN9785970475430.html
2. Основы оказания первой помощи. Учебное пособие [Электронный ресурс] Под ред. Миннуллин И.П., Плахов Н.Н., Дежурный Л.И. М.: ГЭОТАР-Медиа, 2022 URL: https://www.studentlibrary.ru/book/ISBN9785970472200.html
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5. Скорая и неотложная помощь. Общие вопросы реаниматологии [Электронный ресурс] Геккиева А.Д. М.: ГЭОТАР-Медиа, 2021. URL: http://www.rosmedlib.ru/
6. Основы реаниматологии [Электронный ресурс] Сумин С.А., Окунская Т.В. М.: ГЭОТАР-Медиа, 2020 URL: https://www.studentlibrary.ru/book/ISBN9785970454916.html

Topic No.2 Acute vascular insufficiency, anaphylaxis, or altered level of consciousness: first aid.

Duration of the practical class (in academic hours):	6

Purpose of the practical class:
1. consolidate acquired knowledge on acute vascular insufficiency, anaphylaxis, and altered level of consciousness;
2. during the discussion, outline the main etiological causes and clinical manifestations of acute vascular insufficiency, anaphylaxis, and altered level of consciousness;
3. thoroughly go over definitions and concepts of acute vascular insufficiency, anaphylaxis, and altered level of consciousness;
4. study pathogenesis and complications of acute vascular insufficiency, anaphylaxis, and altered level of consciousness;
5. develop approach to managing patients with acute vascular insufficiency, anaphylaxis, and altered level of consciousness.

Practical classes requirements: classrooms equipped with multimedia equipment, blackboards, laboratory equipment, and subject guides for the discipline

Independent work of the student: preparation of a report on the lecture and working with study materials.

Methods of evaluation of acquired knowledge and skills: review of reports, discussions, quizzes, tests.

Recommended reading:

1. Первая помощь [Электронный ресурс] Демичев С. В. М.: ГЭОТАР-Медиа, 2023 URL:

https://www.studentlibrary.ru/book/ISBN9785970475430.html
2. Основы реаниматологии [Электронный ресурс] Сумин С.А., Окунская Т.В. М.: ГЭОТАР-Медиа, 2020 URL: https://www.studentlibrary.ru/book/ISBN9785970454916.html

Topic No.3 Hemorrhage (bleeding) and blood loss. Temporary bleeding arrest methods. Desmurgy

Duration of the practical class (in academic hours):	6

Purpose of the practical class:
1. consolidate acquired knowledge on hemorrhage (bleeding) and blood loss, dressing application;
2. during the discussion, outline different types of hemorrhage, grades of hemorrhage, dressing application rules;
3. thoroughly go over methods of temporary bleeding arrest and dressing application;
4. study pathogenesis of hemorrhagic shock;
5. develop approach to managing patients with hemorrhage and blood loss.

Practical classes requirements: classrooms equipped with multimedia equipment, blackboards, bandages, tourniquets, various splints, set of wounds and injuries for a multifunctional simulator, Forensic Wound Training Kit, model of a perforating shrapnel wound of the armpit, set of overlays to simulate wounds and bleeding, subject guides for the discipline

Independent work of the student: preparation of a report on the lecture and working with study materials.

Methods of evaluation of acquired knowledge and skills: review of reports, discussions, quizzes, tests.

Recommended reading:
1. Первая помощь [Электронный ресурс] Демичев С. В. М.: ГЭОТАР-Медиа, 2023 URL: https://www.studentlibrary.ru/book/ISBN9785970475430.html
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Topic No.4 Orthopedic trauma first aid. Practicing skills involving splints

Duration of the practical class (in academic hours):	6

Purpose of the practical class:
1. consolidate acquired knowledge on orthopedic trauma;
2. during the discussion, outline the main aspects of applying splints depending on the characteristics of the injury;
3. thoroughly go over methods of immobilization and transportation;
4. study patterns of occurrence, progression, and outcomes of orthopedic trauma;
5. develop approach of diagnosing orthopedic trauma, immobilization and transportation of patients with orthopedic trauma.

Practical classes requirements: classrooms equipped with multimedia equipment, blackboards,

"Resusci Anne" manikin with a printing device, simulator for cardiopulmonary resuscitation training (torso) with a printing device, “Little Anne” manikin, “Little Junior” manikin, Little family Pack manikin set, wheelchair, collapsible stretcher, casualty carrying board complete with straps and head mount, hip brace splints with traction ШД-01, set of collapsible splints for transport of adults and children, splint for immobilization and fixation of fractures HM SPLINT, cervical retainer, bandages, tourniquets, various medical splints, motorcycle helmet, set of wounds and injuries for a multifunctional simulator, Forensic Wound Training Kit, model of a perforating shrapnel wound of the armpit, set of overlays to simulate wounds and bleeding, subject guides for the discipline

Independent work of the student: preparation of a report on the lecture and working with study materials.

Methods of evaluation of acquired knowledge and skills: review of reports, discussions, quizzes, tests.

Recommended reading:

1. Первая помощь [Электронный ресурс] Демичев С. В. М.: ГЭОТАР-Медиа, 2023 URL: https://www.studentlibrary.ru/book/ISBN9785970475430.html
2. Основы оказания первой помощи. Учебное пособие [Электронный ресурс] Под ред. Миннуллин И.П., Плахов Н.Н., Дежурный Л.И. М.: ГЭОТАР-Медиа, 2022 URL: https://www.studentlibrary.ru/book/ISBN9785970472200.html
3. Оказание первичной доврачебной медико-санитарной помощи при неотложных и экстремальных состояниях. Учебник [Электронный ресурс] Левчук И.П., Соков С.Л., Курочка А.В., Назаров А.П. М.: ГЭОТАР-Медиа, 2023. – 288 с. URL: http://www.rosmedlib.ru/
4. Основы реаниматологии [Электронный ресурс] Сумин С.А., Окунская Т.В. М.: ГЭОТАР-Медиа, 2020 URL: https://www.studentlibrary.ru/book/ISBN9785970454916.html

Topic No.5 Burns, frostbite: first aid

Duration of the practical class (in academic hours):	6

Purpose of the practical class:
1. consolidate acquired knowledge on thermal injury;
2. during the discussion, outline the main etiological causes, clinical manifestations, and pathogenesis of burns and frostbite;
3. thoroughly go over definitions and concepts of thermal injury;
4. study patterns of development, progression, and outcomes of burn shock and hypothermia;
5. develop approach to managing patients with thermal injury.

Practical classes requirements: classrooms equipped with multimedia equipment, blackboards, laboratory equipment, and subject guides for the discipline

Independent work of the student: preparation of a report on the lecture and working with study materials.

Methods of evaluation of acquired knowledge and skills: review of reports, discussions, quizzes, tests.

Recommended reading:

1. Первая помощь [Электронный ресурс] Демичев С. В. М.: ГЭОТАР-Медиа, 2023 URL: https://www.studentlibrary.ru/book/ISBN9785970475430.html
2. Основы оказания первой помощи. Учебное пособие [Электронный ресурс] Под ред. Миннуллин И.П., Плахов Н.Н., Дежурный Л.И. М.: ГЭОТАР-Медиа, 2022 URL: https://www.studentlibrary.ru/book/ISBN9785970472200.html

3. Оказание первичной доврачебной медико-санитарной помощи при неотложных и экстремальных состояниях. Учебник [Электронный ресурс] Левчук И.П., Соков С.Л., Курочка А.В., Назаров А.П. М.: ГЭОТАР-Медиа, 2023. – 288 с. URL: http://www.rosmedlib.ru/
4. Основы реаниматологии [Электронный ресурс] Сумин С.А., Окунская Т.В. М.: ГЭОТАР-Медиа, 2020 URL: https://www.studentlibrary.ru/book/ISBN9785970454916.html

Topic No.6 First aid in case of acute carbon monoxide poisoning, snake bites, insect bites, or ingestion of poisonous mushrooms. Pass/fail test

Duration of the practical class (in academic hours):	6

Purpose of the practical class:
1. consolidate acquired knowledge on first aid in case of acute carbon monoxide poisoning, snake bites, insect bites, or ingestion of poisonous mushrooms;
2. during the discussion, outline the main aspects of first aid in case of acute carbon monoxide poisoning, snake bites, insect bites, or ingestion of poisonous mushrooms;
3. thoroughly go over definitions and concepts of acute poisonings;
4. study patterns of acute intoxication depending on the toxic agent;
5. develop approach to choosing the first aid methods depending on the toxic agent.

Practical classes requirements: classrooms equipped with multimedia equipment, blackboards, laboratory equipment, and subject guides for the discipline

Independent work of the student: preparation of a report on the lecture and working with study materials.

Methods of evaluation of acquired knowledge and skills: review of reports, discussions, quizzes, tests.

Recommended reading:
1. Первая помощь [Электронный ресурс] Демичев С. В. М.: ГЭОТАР-Медиа, 2023 URL: https://www.studentlibrary.ru/book/ISBN9785970475430.html
2. Основы оказания первой помощи. Учебное пособие [Электронный ресурс] Под ред. Миннуллин И.П., Плахов Н.Н., Дежурный Л.И. М.: ГЭОТАР-Медиа, 2022 URL: https://www.studentlibrary.ru/book/ISBN9785970472200.html
3. Оказание первичной доврачебной медико-санитарной помощи при неотложных и экстремальных состояниях. Учебник [Электронный ресурс] Левчук И.П., Соков С.Л., Курочка А.В., Назаров А.П. М.: ГЭОТАР-Медиа, 2023. – 288 с. URL: http://www.rosmedlib.ru/
4. Основы реаниматологии [Электронный ресурс] Сумин С.А., Окунская Т.В. М.: ГЭОТАР-Медиа, 2020 URL: https://www.studentlibrary.ru/book/ISBN9785970454916.html

4. GUIDELINES FOR CONTINUOUS AND INTERIM ASSESSMENT

Table 3. Guidelines for Conducting Continuous and Interim Assessment during **Б1.О.43 First aid. Basic cardiopulmonary resuscitation** Course

Type of assessment	Assessment format
Continuous assessment	- conducting and evaluating oral or written quizzes during lectures and practical classes; - assessment and evaluation of completion and results of assignments given during practical classes; - assess and evaluate completion and results of individual assignments and exam tasks given during practical classes; - assessment and evaluation of lecture notes quality.

Interim certification	is conducted in oral test format; it allows to assess the development of students' competencies correlating with types of professional activity.

5 ASPECTS OF THE IMPLEMENTATION OF THE COURSE FOR STUDENTS WITH DISABILITIES AND SPECIAL NEEDS

5.1. Availability of accessible environment

For students with disabilities and special needs, if a written application is submitted, lectures and practical classes are carried out taking into account health limitations, individual capabilities and medical status (hereinafter referred to as individual characteristics) of the student. Compliance with the following general requirements is ensured: teaching aids for collective and individual use are provided, required technical assistance is provided by an assistant, buildings and premises where lectures and practical classes are taking place meet accessibility requirements, other arrangements lack of which makes it impossible or difficult to master the discipline are made.

5.2. Compliance with general requirements

When lectures and practical classes are carried out at the written application of the student, the following general requirements are met: lectures and practical classes for students with disabilities and special needs take place at the same location as for students who do not have disabilities, if this does not cause difficulties for students; an assistant (assistants), who provide(s) students with the necessary technical assistance taking into account individual characteristics of the student, is (are) provided; necessary teaching aids are provided, taking into account individual characteristics of the student.

5.3. Availability of the internal policies and procedures of FSBEI HE PSMU of the Ministry of Health of Russia to students with disabilities in a form accessible to them.

All internal policies and procedures of FSBEI HE PSMU of the Ministry of Health of Russia concerning the discipline are made available to students with disabilities in a form accessible to them.

5.4. Increase in the duration of interim assessment of students with disabilities and special needs in relation to the established duration

Format of the interim assessment of academic performance within the scope of the discipline for students with disabilities and special needs is selected taking into account individual characteristics (orally, by writing on paper, by typing on a computer, as a test, etc.). The duration of the interim assessment in relation to the established duration is increased at the written application of the student with disabilities. Time limit for the student's preparation for the test is increased by at least 0.5 hours

6. STAFFING REQUIREMENTS OF THE DISCIPLINE

Academic teaching personnel that ensure the implementation of the discipline education process meet the requirements of the Federal State Educational Standard of Higher Education for the 31.05.03 Dentistry for international students (in English) specialty; list of the aforementioned personnel is available on the website of the educational organization.

