

**Federal State Budgetary Educational Institution of Higher Education
«North-Ossetia State Medical Academy»
of the Ministry of Healthcare of the Russian Federation**

DEPARTMENT OF STOMATOLOGY №2

ABSTRACT OF EDUCATIONAL TRAINING PROGRAM OF DISCIPLINE

**DENTISTRY "LOCAL ANESTHESIOLOGY AND ANESTHESIOLOGY IN
DENTISTRY"**

the main professional educational program of higher education - specialty program in the
specialty 31.05.03 Stomatology, approved in March 30, 2022

1. The purpose of the discipline:

The goal is to teach students the methods of local anesthesia, taking into account its effectiveness and safety, the prevention of emergency conditions and the provision of emergency care in the dental outpatient practice of a dentist surgeon.

Tasks:

- teaching students the methods of local and general anesthesia;
- development of modern means and methods of local anesthesia;
- improving the efficiency and safety of local and general anesthesia; - prevention of emergency conditions;
- provision of emergency care in outpatient dental practice.

2. The place of discipline in the structure of the educational program

The discipline "Local anesthesia and anesthesiology in dentistry" is studied in the sixth semester and belongs to the basic part of Block 1 of the Federal State Educational Standard of Higher Education in the specialty "Dentistry".

**3. Requirements for the results of study of the discipline:
The process of studying the discipline is aimed at the formation of the following competencies:**

The process of studying the discipline is aimed at the formation and development of competencies:

UK-1, UK-2, GPC-1, GPC-2, GPC-5, GPC-6, GPC-13, PC-1, PC-2, PC-4, PC-5.

As a result of studying the discipline, the student must
know:

- physical and chemical properties, classification and mechanism of action. Anesthetic activity and toxicity, duration of action;
- vasoconstrictors: mechanism of action, classification, indications and contraindications for use as part of a local anesthetic solution. Forms of drug release. Storage of carpules and their defects;
- methods of premedication of dental treatment of patients in outpatient and inpatient conditions, the main methods of local and combined anesthesia, topographic landmarks, areas of anesthesia, indications for use; methods of general anesthesia, their characteristics, indications and contraindications for use, means and methods of implementation;
- local and general complications of local and general anesthesia, methods of their prevention and treatment;
- methods of providing assistance in emergency conditions, methods of providing resuscitation

measures.

Be able to:

- substantiation of the choice of the drug during various outpatient dental interventions;
- to carry out both basic and additional methods of local anesthesia on the upper and lower jaws;
- to conduct psychological preparation of the patient for dental intervention; develop individual premedication schemes for practically healthy patients and patients with comorbidities, assessing the risk of anesthesia and treatment;
- to diagnose emergency conditions in patients at a dental appointment, to provide emergency assistance in the development of local, general complications and terminal condition in a dental clinic;
- to diagnose emergency conditions in patients at a dental appointment, to provide emergency assistance in the development of local, general complications and terminal condition in a dental clinic.

Own:

- determine indications and contraindications for local and general anesthesia in dentistry;
- the skills of conducting premedication preparation for patients at a dental appointment in a clinic and hospital;
- methods of preparing and conducting infiltration and conduction anesthesia for therapeutic, surgical, orthopedic and orthodontic treatment;
- methods of prevention and treatment of general and local complications of local anesthesia;
- methods of carrying out resuscitation measures in the development of a terminal state in a patient.

4. The total complexity of the discipline includes 3 credit units (108 hours).

5. Semestr: 6

6. The main sections of discipline

- Preparations for local anesthesia.
- Methods of local anesthesia.
- Intensive care of somatic complications. The legal responsibility of the doctor.
- Resuscitation measures in the practice of a dentist.
- Intensive care of somatic complications. The legal responsibility of the doctor.
- Resuscitation of a dentist.

Developers:

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