

**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**

**MAXILLO-FACIAL SURGERY "DISEASES OF THE HEAD AND NECK,  
MAXILLO-FACIAL AND GNATIC SURGERY"**

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 purpose of the discipline is the development by students of the theoretical foundations and practical aspects of the diagnosis, treatment and prevention of pathological processes of the head and neck: non-gunshot and gunshot lesions of the maxillofacial area, burns, specific inflammatory diseases of the maxillofacial area, lymphadenitis, diseases of the salivary glands, cysts of the neck.

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

The discipline "MFS: Diseases of the head and neck, maxillofacial and gnathic surgery" is studied in the ninth and tenth semesters and belongs to the basic part of Block 1 of the Federal State Educational Standard of Higher Education in the specialty Dentistry.

The training of students is carried out on the basis of the continuity of knowledge and skills obtained in the course of oral surgery.

**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:

- principles of organizing assistance to victims and wounded in the face in peacetime and wartime, as well as in local wars;
- clinical picture, distinctive clinical signs and differential diagnosis of non-gunshot and gunshot facial injuries;
- methods of examination of victims with non-gunshot and gunshot injuries faces;
- a technique for reading radiographs of patients with fractures of the bones of the facial skeleton and teeth;
- types of treatment for patients with this pathology;
- methods of rehabilitation of patients with this pathology, drug therapy;
- clinical characteristics of fractures of the bones of the nose, zygomatic bone and arch;
- methods of examination of patients with inflammatory diseases of the face and neck, their complications, differential diagnosis of these diseases;
- clinical characteristics of thermal injuries of the face
- indications for referral of victims with facial trauma to related specialists (neurologist, neurosurgeon, ophthalmologist, ENT doctor, etc.);

- clinical picture, distinctive clinical signs and differential diagnosis of non-gunshot and gunshot facial injuries;
- the volume of assistance to the wounded in the face at the stages of medical evacuation;
- etiology, pathogenesis, clinical picture of inflammatory processes of the face and neck and their complications; methods of examination of patients with inflammatory diseases of the face and neck, their complications, differential diagnosis of these diseases;
- basic methods of surgical interventions in acute and chronic inflammatory processes;
- principles of prevention and medical examination of patients with inflammatory diseases of the face and neck.

*Be able to:*

- evaluate the data of radiation methods of examination;
- identify indications for emergency hospitalization;
- provide emergency assistance to victims with a facial injury on an outpatient basis;
- to carry out primary surgical treatment of facial wounds on an outpatient basis;
- to treat patients with various types of tooth dislocation, to treat patients with various types of tooth fracture, to treat patients with fractures of the alveolar process, to treat patients with various types of mandibular dislocation;
- choose the correct surgical treatment;
- draw up a plan for the entire cycle of rehabilitation treatment of patients with defects and deformities of the tissues of the maxillofacial region;
- evaluate the data of radiation methods of examination;
- to diagnose defects and deformations of the maxillofacial region;
- to carry out primary surgical treatment of facial wounds on an outpatient basis;
- take measures to prevent the development of complications of injury;
- methods of examination of victims with non-gunshot and gunshot injuries faces;
- conduct topical diagnostics of inflammatory diseases: abscesses and phlegmon of the maxillofacial region; prescribe and evaluate the results of additional examination methods for inflammatory processes in the maxillofacial region;
- treat a purulent wound;
- prescribe a complex treatment for patients with inflammatory processes in the maxillofacial region.

*Own:*

- methods of maintaining medical accounting and reporting documentation in medical organizations;
- interpretation of the results of laboratory, instrumental diagnostic methods in patients of different ages;
- methods of general clinical examination of children and adults, clinical methods of examination of the maxillofacial region;
- the principles of restorative treatment of patients with defects and deformities of the tissues of the maxillofacial region;
- an algorithm for making a preliminary diagnosis to patients and, if necessary, with their subsequent referral for additional examination and to specialist doctors;
- clinical methods of examination of the maxillofacial region;
- methods of providing first aid for injuries of the maxillofacial region;
- interpretation of the results of laboratory, instrumental diagnostic methods in patients of different ages;
- features of the management of a patient with a gunshot wound;
- methods of providing first aid for injuries of the maxillofacial region;
- methods for diagnosing inflammatory diseases of the maxillofacial region, taking into account the ICD-10, based on clinical and additional research methods;
- technique for palpation of the submandibular, submental, parotid, facial, superficial cervical lymph nodes;
- technique of opening and drainage of subperiosteal abscess;
- techniques for removing drains and tampons, removing sutures, performing wound dressing.

**4. The total complexity of the discipline includes 9 credit units (324 hours).**

**5. Semestr: 9-10**

**6. The main sections of discipline**

- Classification of non-gunshot facial injuries. Statistics. Methods of examination of patients with facial trauma. Non-gunshot injuries of the soft tissues of the face. Clinic, diagnosis, treatment. Features of primary surgical treatment of facial soft tissue wounds.

- Dislocation of teeth. Fractures of teeth. Fracture of the alveolar process. Dislocation of the lower jaw. Classification, clinic, diagnosis, treatment.

- Non-gunshot fractures of the lower and upper jaws. Classification, clinic, diagnostics.

- Classification of non-gunshot facial injuries. Statistics. Methods of examination of patients with facial trauma. Non-gunshot injuries of the soft tissues of the face. Clinic, diagnosis, treatment. Features of primary surgical treatment of facial soft tissue wounds.

- Dislocation of teeth. Fractures of teeth. Fracture of the alveolar process. Dislocation of the lower jaw. Classification, clinic, diagnosis, treatment.

- Treatment of fractures of the jaws. Conservative and surgical methods of immobilization.

Indications for application. Nutrition and nursing. Medical and physical methods of treatment of victims.

- Fractures of the zygomatic bone, zygomatic arch, bones of the nose. Clinic, diagnosis, treatment

- Complications of non-gunshot fractures of the jaws: traumatic osteomyelitis, delayed consolidation, false joint, malunion of fragments. Etiology, clinic, diagnostics, general principles of treatment.

- Thermal damage to the maxillofacial area (burns, frostbite, electric shock and high-frequency radiation). Clinical picture and treatment.

- Combined and combined facial injuries. Features of the clinical course. Combined traumatic brain injury. Radiation damage.

- Wound ballistics and tissue damage zones. Anatomical and physiological features of the face and gunshot wound. Gunshot wounds of the soft tissues of the face. General patterns of the wound process.

- Features of gunshot wounds of the lower and upper jaws.

- The volume and procedure for providing assistance to the wounded at the stages of medical evacuation. General provisions on the medical examination of military personnel.

Abscesses and phlegmon of the face and neck. Classification. Etiology. Pathogenesis. clinical picture. Diagnostics. General principles of treatment.

- Abscesses and phlegmon adjacent to the upper and lower jaws. Phlegmon of the floor of the mouth. Putrid-necrotic phlegmon of the face and neck.

- Complications of odontogenic inflammatory processes of the face and neck.

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