

**Federal State Budgetary Educational Institution  
higher education  
"NORTH OSSETIAN STATE MEDICAL ACADEMY"  
Ministry of Health of the Russian Federation**

**ANNOTATION  
WORK PROGRAM DISCIPLINE**

**"Dentistry: Cariesology and diseases of the hard tissues of the teeth"**

the main professional educational program of higher education - specialist's programs in the  
specialty 31.05.03 Dentistry,  
approved on May 24, 2023

- 1. The purpose of studying the discipline:** preparing students for the theory and practice of basic dental procedures, the initial professional skills of a dentist for the treatment of caries and non-carious lesions of the teeth.
- 2. The place of the academic discipline in the structure of the main educational program:** discipline is obligatory and belongs to the basic part of Block 1 of the Federal State Educational Standard of Higher Education in the specialty 31.05.03 Dentistry.
- 3. Requirements for the results of mastering the discipline:** the process of studying the discipline is aimed at the formation and development of competencies: УК-1, УК-6, ОПК-1, ОПК-2, ОПК-5, ОПК-6, ОПК-13, ПК-1, ПК-2, ПК-4, ПК-5.

**As a result of studying the discipline, the student must**

**Know:**

Deontological principles in dentistry.

dental documentation.

Basic and additional methods of examination.

Basic and additional methods of examination of dental patients

Modern technologies for the diagnosis and treatment of caries

Epidemiology, classification, etiology, pathogenesis of dental caries

Etiopathogenesis, clinic, diagnosis, differential diagnosis of dental caries.

Etiopathogenesis, clinic, diagnostics, differential diagnostics, principles of caries treatment.

Etiopathogenesis, clinic, diagnostics, differential diagnostics, principles of treatment of hypoplasia, fluorosis, amelo- and dentinogenesis imperfecta.

Etiopathogenesis, clinic, diagnostics, differential diagnostics, principles of treatment of erosion, necrosis, enamel hypersensitivity, increased tooth wear, wedge-shaped defects, traumatic injuries of teeth

Indications and contraindications for whitening. Methods of home and office whitening.

Mistakes and possible complications during whitening.

Indications, contraindications for restoration work, types of restoration materials, rules for working with them

Errors of a diagnostic nature, errors in preparation, drug treatment, dental fillings.

Etiopathogenesis of caries, classification, modern methods of diagnosing caries, clinic, differential diagnosis, principles of general and local treatment of caries.

Indications, contraindications for restoration work, types of restoration materials, rules for working with them

Prevention of errors and complications of a diagnostic nature, preparation errors, drug treatment, dental fillings.

**Be able to:**

Conduct a patient survey.

Collect anamnesis of the disease and life of the patient.

Perform inspection: external and directly to the oral cavity.

Carry out palpation, percussion, probing of organs and tissues of the oral cavity.

Conduct a survey, examination, probing, percussion, palpation, EOD of teeth. Read x-rays, interpret the results of laboratory research methods.

Differentiate caries from non-carious lesions

Interview and examine patients with caries.

Interview and examine patients with dental caries

Interview and examine patients with caries

Conduct a survey and examination of patients with hypoplasia, fluorosis, hereditary disorders of the formation of enamel and dentin.

Conduct a survey and examination of patients with non-carious lesions of the teeth that occur after their eruption.

Conduct a survey and examination of patients with discolored teeth, determine the nature and cause of enamel discoloration,

determine the need for a particular type of bleaching, give recommendations to patients after bleaching.

Carry out the restoration of the crown part of the tooth using modern adhesive systems and restorative materials

Assess the complication associated with a particular cause, take measures to eliminate the complications that have arisen after the treatment of hard tissues of the teeth.

**Own:**

Skills in conducting basic and additional methods of examination, filling out medical documentation

Skills in conducting basic and additional methods of examination.

Skills for filling out a dental patient card

Algorithm for performing the main diagnostic and therapeutic measures in caries.

Algorithm for performing the main diagnostic methods in patients with carious lesions of the teeth.

Algorithm for performing the main diagnostic and therapeutic measures for carious lesions of the teeth.

The algorithm for performing the main diagnostic and therapeutic measures for non-carious lesions of the teeth that occur during the period of follicular development.

The algorithm for performing the main diagnostic and therapeutic measures for non-carious lesions of the teeth that occur after their eruption.

The algorithm for performing the main diagnostic and therapeutic measures for patients with teeth whitening. Methods for whitening teeth in the office.

Possess the skills of determining the color of teeth, modeling teeth.

Skills for diagnosing complications, eliminating the consequences of errors.

The skills of conducting a survey, collecting an anamnesis, conducting an examination of the oral cavity, the skills of filling out a dental patient card

Possess the skills of determining the color of teeth, modeling teeth.

**4. General laboriousness of the discipline** is 10 credit units (360 hours).

**5. Semester:** 4,5,6 semester

**6. Main sections:**

Organization and equipment of the dental office

Examination of a dental patient in the treatment of caries and non-carious lesions of hard dental tissues.

Preparation of the oral cavity for the treatment of caries and non-carious lesions of hard dental tissues.

Etiology, pathogenesis of dental caries. Epidemiology of dental caries.

Clinic, diagnosis, differential diagnosis of dental caries.

Treatment methods for dental caries.

Non-carious lesions of the teeth that occur during the period of follicular development.

Non-carious lesions of the teeth that occur after their eruption.

Teeth whitening.

Restoration of teeth.

Complications and errors in the diagnosis and treatment of diseases of hard dental tissues.

Diagnosis and treatment planning of caries and diseases of hard dental tissues.

Therapeutic concept of dental restoration in case of caries and other diseases of hard dental tissues.

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