

**Entrance exam program
for the postgraduate Ph.D. programme
in CLINICAL MEDICINE (Subject code: 36.06.01)
DENTISTRY PROFILE**

Dentistry

Tooth Cavity: Types of Root Canals, Features of Anatomical Structure of Root Canals of Different Groups of Teeth of the Upper and Lower Jaws. Structure of Enamel and Dentin. Non-carious Teeth Lesions: Hypoplasia, Fluorosis. Modern Classification of Caries by ICD-10. Pulpitis. Periodontitis. Means of Hygienic Care of the Oral Cavity. Preventive Healthcare for Non-Carious Lesions. Teeth Hypersensitivity. Modern Filling Materials. Devitalizing Drugs. Endodontic Instruments. Apexlocation. Depophoresis. Basic Principles of Artistic Restoration of Teeth. Teeth Whitening. Diseases of the Oral Mucosa. Periodontics. Anesthesia in Surgical Dentistry. Operations on the Alveolar Ridge in Cysts of the Jaws. Cystectomy and Cystotomy. Perforations of Teeth Roots. Surgical Treatment of Periodontal Diseases. Odontogenic Abscesses and Phlegmons of the Maxillofacial Region. Odontogenic Sinusitis. Periostitis, Osteomyelitis of the Jaws. Diseases and Injuries of the Salivary Glands. Diseases of the Temporomandibular Joint. Implantology in Dentistry. Microsurgery in Plastic Surgery. Benign Neoplasms of the Maxillofacial Region and Neck. Malignant Neoplasms of Maxillofacial Region. Damage to the Face, Teeth and Jaws. Congenital Clefts of the Upper Lip and Palate. Recovery Operations on the Face and Neck. Types of Prosthetic Structures with a Defect of the Tooth Crown. Features and Types of Orthopedic Structures for Prosthetics in Implants. Metal-Free Bridgeworks. Classification of Dentition Defects. Changes in the Chewing Apparatus after Complete Loss of Teeth. Orthopedic Methods of Periodontitis Treatment. Traumatic Occlusion and Articulation. Tasks and Principles of Splinting. Temporomandibular Dysfunction. Articulation. Aesthetics. Main Materials Used in Dental Prosthetic Practice. Orthodontics. Principles of Orthodontic Care for Children and Adolescents. Development and Growth of the Brain and Facial Skeleton. Growth and Development of the Jaw Bones from Birth to the Period of Formation of a Permanent Bite. Methods of Clinical Diagnosis. Biomechanics of Orthodontic Teeth Movement. Physiological, Morphological and Functional Changes in the Dentoalveolar Facial System under the Influence of Orthodontic Appliances). Complications in Orthodontics. Causes and Warning Measures. Preventive Healthcare for Major Dental Diseases. Organization of Outpatient Dental Care for Children. Organization of the Surgical Department of the Children's Dental Clinic. Operations on the Alveolar Ridge. Cystotomy, Cystectomy. Odontogenic Inflammatory Processes. Periodontitis, Periostitis, Osteomyelitis. Clinic, Differential Diagnosis, Treatment, Rehabilitation. Lymphadenitis, Abscesses, Phlegmons. Diseases of the Salivary Glands. Diseases of the Temporomandibular Joint. Damage to the Maxillofacial Region in Children. Methods of Functional Diagnostics in the Rehabilitation of Children and Adolescents at the Stages of Reconstructive Operations in the Maxillofacial Region.

Recommended literature:

1. Therapeutic Dentistry [Electronic resource]: [textbook]: in 3 parts. Part 1. Dental Disease / [A. Volkov et al.] ed. A. Volkov, O. Yanushevich. – Moscow: GEOTAR-Media, 2013. – 168 p.
2. Surgical Dentistry [Electronic resource]: textbook / under the editorship of V. Afanasyev. – 2nd ed., updated and revised – Moscow: GEOTAR-Media, 2014. – 792 p.

3. Diseases of the Oral Mucosa and Lips [Text]: [Textbook for post-graduate dentistry studies] / A. Tsvetkova-Aksamit, S. Arutyunov, V. Petrova, Yu. Perlamutrov. – 4th ed. – Moscow: MEDpress-Inform, 2014. – 201 p.
4. Kuzmina, D. Endodontic Treatment of Teeth [Electronic resource]: Methodology and Technology: textbook / D. Kuzmina, O. Pikhur, A. Ivanov. – Saint-Petersburg: SpecLit, 2013. – 232 p. - URL: <http://books-up.ru>.
5. Propaedeutic Dentistry [Electronic resource]: [Textbook for higher vocational education] / [A. Bazikyan et al.]; under the editorship of A. Bazikyan, O. Yanushevich. – 2nd ed. updated and revised – Moscow: GEOTAR-Media, 2013. – 632 p.
6. Bazikyan, A. Dental Instruments [Text]: Atlas: [Textbook for higher and additional vocational education] / A. Bazikyan. – 2nd ed., updated and revised – Moscow: GEOTAR-Media, 2015. – 166 p