

Professor Liudmila Y. Orekhova, DDM, PhD,
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Liudmila Y. Orekhova, Doctor of Medical Sciences, Professor, is the Head of the Therapeutic Dentistry Department of the St. Petersburg State Medical University named after I.P. Pavlov, Vice-President of the St. Petersburg Dental Association, a member of the Scientific and Dissertation Council of the Pavlov Medical University, member of the Peter's Academy of Arts and Sciences, member of the National Academy of Esthetic Dentistry (Dental Association of Russia, Moscow), Vice-President of the Periodontology Section of the Russian Dental Association, Chief Editor of the research and practice journal for dentists "Paradontologiya" (Periodontology), member of the editorial board of the clinical journals "Endodontia Today" and "Dental Education", member of the editorial board of the research and practice journal "Stomatolog" (Stomatologist), Minsk, Belarus, and President of the City Periodontal Center "PAKS".

Prof. Lyudmila Orekhovais a leading specialist in the field of periodontics, immunology and dental care, as well as undergraduate and postgraduate training of medical service providers in St. Petersburg and other regions of the Russian Federation.

Prof. Lyudmila Orekhova is widely recognized for her scientific research in a wide range of issues related to organization and management of dental care, diagnostics, treatment and prevention of teeth pathology, periodontal and oral mucosa diseases along with laser dentistry. Lyudmila Orekhova is an author of 460 of scientific articles, involving 17 monographs, 4 textbooks (including well-known and popular "Therapeutic Dentistry" and "Dentistry"), 8 study guides, a chapter in the National Guidance "Therapeutic Dentistry", 26 methodical recommendations and guidelines for students and dental practitioners highlighting crucial problems in modern dentistry. Professor Orekhova has two certificates of authorship and seven patents. She has also registered one scientific discovery entitled "Reduction of Functional Overload of Human Periodontal Tissues and Prosthetic Tissue Relief in Case of Balanced Diet".

Lyudmila Orekhova supports the idea of a comprehensive approach to periodontal disease diagnostics and treatment, and is well-known for her research on periodontal diseases conducted in collaboration with other medical specialists and institutions, including the Department of Internal Medicine of Dentistry Faculty, Faculty Therapy Department, Faculty Surgery Department, Academician Chernorytzky Hospital Therapy Department of the Pavlov Medical University and the V.A. Almazov Heart, Blood and Endocrinology Center in St. Petersburg. Integrative approach to oral diseases diagnostics, treatment and prevention is represented in her works conducted in collaboration with the Department of Oral and Maxillofacial Surgery, Department of Prosthodontics, Academician D.K. Zabolotny Microbiology, Virology and Immunology Department, Public Health and Public Health Services Department, Biochemistry Department, Mental Science and Addiction Medicine Department, Education Science and Psychology Department, Tocology and Gynecology Department, Otolaryngology Department of the Pavlov Medical University, Cytology Institute of the Russian Academy of Sciences.

Lyudmila Orekhova is the founder and Chief Editor of the research and practice journal for dentists "Paradontologiya" (Periodontology) which is on the top of the Russian timely issued journals published and recognized today by the dental and medical communities. The journal and a procedure for having manuscripts published are strictly suggested for PhD students and Post Doc associates to present their valuable results and research outcome to approve the awarding PhD.

Lyudmila Orekhova has organised numerous congresses, including the first All-Russian Congress on Clinical Periodontology and the International Conference "New Millennium Periodontology" (2001), and scientific conferences, including the All-Russian Conference "Scientific and Clinical Aspects of Periodontal Therapy", (2006), the International training conference "The Present and Future of Periodontology: Problems, Reality, and Opportunities" (2011), and the International Conference "University Meeting on the Petrograd Embankment" (2011).

Regular training workshops for dental practitioners in all major areas of dentistry are conducted under the guidance and direct participation of Professor Orekhova. She organized the round table discussions "Sensodyne Rapid Relief Is an Innovative Approach for Treatment of Tooth Hypersensitivity" (in collaboration with GlaxoSmithKline Company), "Success of Dental Treatment in Terms of Dental-Somatic Paradigm", "Application of Vector Ultrasonic Device for Treatment of Periodontal Disease" (in collaboration with Dürr Dental Company).

The City Periodontal Center "PAKS" was founded under Prof. Lyudmila Orekhova's direct guidance in 1991, and over two decades it has played a crucial role in the provision of training to undergraduate and postgraduate students at the Therapeutic Dentistry Department of the Pavlov State Medical University. PAKS closely cooperates with health authorities of St. Petersburg, Leningrad Region, and other regions of Russia. For a long time, it has collaborated with numerous leading

dental companies, such as DRC (Russia–Switzerland), Kerr, Sirona, GlaxoSmithKline, Colgate, 3M, Dürr, and Dentsplay.

Lyudmila Orekhova has always been aware about oral diseases prevention and realized the importance of preventive medicine. In 2001, she participated in the organization and development of the dental testing center "SIS" for clinical and laboratory testing of personal oral hygiene products. In 2006, Ms. Orekhova took an active part in creating the St. Petersburg Dental Hygienists Association.

Prof. Lyudmila Orekhova devotes a lot of time and effort to training of new dental scientific staff. She used to be supervisor for two doctoral and 28 candidate's dissertations.

In 2009, Lyudmila Orekhova was awarded the Medal for Records in Dentistry. In 2010, she was awarded the Medal of the Order of Merit for the Motherland.

The City Periodontal Center "PAKS" was established in 1991 by the Pavlov State Medical University as a clinical base for the Faculty of Dentistry.

PAKS Center carries out research in the field of periodontal diseases prevention and and treatment, interrelation of polymorbid pathology and periodontal tissues, as well as the development of new medical compositions, drug-free methods of periodontal treatment, including hydrogasvacuum massage, ultrasound treatment with Dioksidingel composition, in collaboration with different Departments of the Pavlov State Medical University. Numerous studies are dedicated to specifics of oral blood vessels morphology and function in patients with different periodontal conditions, and their changes during periodontal treatment. Many programs of periodontal disease diagnostics, prognosis and treatment, including guided tissue regeneration, cryosurgery and laser surgery, were developed and implemented here.