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## The use of OT-correctors for prevention and treatment of growing patient

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Prophylactic direction in orthodontics plays an important role in the prevention of malocclusion. In Russia, 75% of children under the age of 12 years old have malocclusion. Unfortunately, orthodontic treatment usually begins when a patient has a sagittal discrepancy more than 9.0 mm and includes extraction of some of teeth. Preventive treatment in childhood is rare, because parents usually bring a child for an evaluation when malocclusion has already formed. Communication with a small child can be difficult and can also make the process of taking models, orthodontic records difficult to achieve. The use of OT-correctors helps make the treatment comfortable. An orthodontist can solve both a functional disorder and an esthetic problem at the same time when using these appliances. Currently there are different types of traditional functional appliances available to an orthodontist: Frenkel functional regulators, bionators, and activators. These types of devices apply significant mechanical force to attempt the correction of functional problems and almost always imply treatment with fixed orthodontic appliances as the second stage to address the esthetic aspect of the treatment. Alternatively, the use of malocclusion OT-correctors at an early age often eliminates the need for further treatment with a bracket system as a second stage. Review of this method by orthodontists, pediatric general dentists and periodontists confirms the ease of use of the functional correctors in patients with multiple caries, enamel hypoplasia, periodontal diseases and the absence of the appliances' negative impact on the formation of the tooth enamel and periodontal tissue.

### Biography

Natalia Petrova received the title of Candidate of Medical Sciences at Medical Academy of Postgraduate Education in St. Petersburg. She is the Associate Professor at the Department of Orthodontics at North-Western State Medical University named after I I Mechnikov. She has published more than 30 works in monographs, scientific journals and abstracts for congresses and conferences.

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