

NECESSITY OF IDENTIFICATION OF MARKERS OF PERIODONTO PATHOGENIC MICROORGANISMS BEFORE DENTAL IMPLANTATION

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Rehabilitation of the oral cavity in patients with partial or complete adentia is not possible today without implants. However, over the past decade there has been a significant increase in inflammatory complications after dental implantation, according to some data from 10% to 40%. Of paramount importance in the etiology of complications of inflammatory genesis are undoubtedly pathogenic microorganisms whose presence is already well documented.

Results of the study and discussion: The survey group consisted of 12 people aged 34-52 years, with partial adentia of the upper and lower jaw teeth, with which implants were installed. We used the Micro-IDent plus test (HAIN-lifescience, Germany), based on the principle of PCR-reverse hybridization. After three months, two patients had complaints about a feeling of discomfort in the area of implant placement, bleeding and swelling of the gum. The mobility of the implants was absent. The diagnosis is peri-implantation of mucositis, which was confirmed by the results of computed tomography. In the inflammatory process, the mucosa was involved in the area of five implants. The average value of the OHI-S hygienic index for two patients (17%) with symptoms of peri-implant mucositis was 2.9 ± 0.48 , which was indicated by poor oral hygiene. In 10 patients, who did not complain, the average value of the OHI-S index was 1.2 ± 0.5 with satisfactory oral hygiene ($p < 0.05$). The microbial landscape of pathological foci (Micro-IDent test) in the field of dental implants, obtained with the use of the Micro-IDent diagnostic test. The Micro-IDent test revealed the highest complexities of *Porphyromonas gingivalis* (76%), and *Treponema denticola* (55%). Thus, in order to prevent the development of inflammatory complications, it is necessary to conduct a study of the microflora of the oral cavity.

Biography

Elena Oleinik in 1992 has graduated from the Voronezh State Medical Institute named after NN Burdenko, majoring in dentistry. From 1996-2009, she headed the stomatological department of the regional rehabilitation center for children and adolescents with disabilities. From 2009-2011, she worked as the Director of the center. In 2011, she was invited to work at the Belgorod State University as a Professor at the Department of Dentistry. Since 2017, she has been working as the Head of the Department of Therapeutic Dentistry at the Kiev Medical.

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