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Influence of microflora on development and prevention of carious process. Dysbiosis status

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The relevance is expressed: caries lesions in the modern world - the main problem for dentistry. The factors of its occurrence are determined, and the methods of treatment are constantly being corrected. Dysbiosis is a microecological disturbance, which is expressed in violations of the composition and functions of normal microflora. The state of human health is largely determined by its microflora. That is why modern dentists pay such attention to the problem of dysbiosis and dysbiosis of the oral cavity. It is established that symbiosis of various cariogenic bacteria, such as *Str. Mutans* and *Veilonella alcalescens*. Types of *Veilonella* use lactic acid produced by *Str. Mutans*, for their livelihood, preventing the demineralization of tooth enamel. Similarly, a decrease in the amount of *Laktobacteria* and *Bifidobacteria* in the gastrointestinal tract is the main cause of dysbacteriosis. Decreasing them in the oral fluid leads to a violation of the acid balance, which plays a role in the development of dysbiosis of the oral cavity and as a consequence leads to caries. Dysbacteriosis, as a formidable complication of any infectious disease or "superinfection", which develops due to frequent administration of antibiotics leads to a decrease in immunity, violates the Ph-balance and increases the risk of caries. Caries disease with high intensity, leads to not only pathological changes, but also violates the aesthetics of the face. With each year there are less invasive ways of treatment; methods of diagnostics are being improved. For the investigation you need to know the causes and etiology. The microflora of the oral cavity is normally resistant to various environmental factors, but its compensatory dynamics is limited. The composition of the microflora is individual; there are about 800 species of prokaryotes, protozoa and fungi. The fact of interaction of normal microflora with pathological and the prevention of development of caries, creation of an immune barrier to development of caries is investigated. This is facilitated by a high percentage of the Gram-negative anaerobic species of the species *Veilonella* in relation to *Str. Mutans*. The optimum temperature for growth of *veynolles* is 30-37 ° C; acidity is 6.5-8.0 pH. The content of *Lacto* and *Bifidobacteria* is very sensitive to any change in the pH of the medium. Reception of a course of preparations of probiotics besides that restores a microflora GASTROINTESTINAL TRACT, promotes increase of immunity. During their life, they process lactic acid in propionic and acetic acids, carbon dioxide and other metabolites. But there are also representatives of the genus, turning into a pathological form. Always take into account the immune status and individuality of each organism.

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