PROPHYLAXIS AND TREATMENT OF STOMA-DENT PREPARATION IN PROSTHESIS WITH COMPLETE REMOVABLE DENTAL PROSTHESES

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ANNOTATION: This scientific article studies the prophylactic and therapeutic effects of STOMA-DENT during prosthetics with complete removable dentures. During the study, the state of the oral mucosa, the balance of microflora, and the importance of the drug in preventing prosthetic stomatitis were analyzed. The results obtained showed that STOMA-DENT reduces inflammatory processes, accelerates the regeneration of the mucous membrane, and shortens the period of adaptation of patients to dentures. It was also found that the antiseptic properties of the drug serve to improve oral hygiene. The results of the study confirm the feasibility of using STOMA-DENT as a comprehensive preventive and therapeutic tool in orthopedic dentistry.

KEYWORDS: Complete removable dentures, denture stomatitis, STOMA-DENT, orthopedic dentistry, oral microflora, mucous membrane, adentia, inflammation, prevention, therapeutic efficacy.

Introduction: Today, among dental diseases, complete loss of teeth, that is, adentia, is one of the most common problems among the population[1]. According to the World Health Organization, a significant part of the adult population suffers from complete loss of the dentition, and this condition negatively affects not only

1 According to the World Health Organization, adentia and dentition defects are one of the most common dental problems in the adult population. See: World Health Organization. Oral Health Report. – Geneva, 2026.

chewing function, but also speech, aesthetic appearance, and psychoemotional state. Therefore, fully removable dentures are widely used in orthopedic dentistry. However, during the use of removable dentures, complications such as denture stomatitis, inflammation of the mucous membrane, disruption of the oral microflora, candidiasis, and decreased local immunity are common in patients. The constant mechanical pressure of the denture base on the mucous membrane, insufficient denture hygiene, and the accumulation of microorganisms on the surface of the denture lead to the development of pathological processes[2]. In recent years, much attention has been paid to the development of complex treatment and prevention methods aimed at reducing these complications. In particular, drugs with antiseptic, anti-inflammatory and regenerative effects are gaining importance in orthopedic dentistry. STOMA-DENT is one of such drugs, the components of which have the ability to normalize the microbiocenosis of the oral cavity, reduce inflammation and accelerate the regeneration of the mucous membrane. The relevance of this topic is determined precisely by the need to prevent complications in patients using complete removable dentures and increase the effectiveness of prosthetics.

Main part: This scientific study is of practical and theoretical importance in orthopedic dentistry. The results of the study show that the use of the drug STOMA-DENT before and after prosthetics can reduce the incidence of prosthetic stomatitis and other inflammatory complications. Scientifically, this study allows: to reduce the adaptation period to prosthetics, reduce pain and discomfort in patients, improve the prevention of prosthetic stomatitis, and increase the effectiveness of orthopedic dental treatment. Practically, it serves to: provide a deeper study of the mechanisms of development of pathological processes associated with removable prostheses, assess the state of the oral microbiocenosis, and identify changes in local immunity during prosthetics. In addition, the

2 Karimov Sh.Sh. Prevention and treatment of denture stomatitis // Dentistry. – 2022. – No. 3. – P. 45–46.

inclusion of the drug in the complex treatment system also increases economic efficiency in dental practice, since the reduction of inflammatory complications reduces the need for re-treatment3.

Current problems and shortcomings: A number of problems remain in the use of fully removable prostheses. These include:1. High incidence of denture stomatitis. Many patients experience inflammation of the mucous membrane in the first months of using dentures. This reduces the effectiveness of treatment. 2. Insufficient oral hygiene. Most patients do not fully follow the rules for proper care of dentures. As a result, the growth of microorganisms increases. 3. Decreased local immunity. In elderly patients, the body's defense mechanisms are weakened. This leads to the rapid development of inflammatory processes. 4. Incompleteness of treatment methods. Often, prosthetics is limited to mechanical restoration, and insufficient attention is paid to the state of the oral microflora and mucous membrane. 5. Insufficient studies on the effectiveness of drugs. There are not enough scientific studies to study the long-term clinical effectiveness of STOMA-DENT in local conditions.

Proposals and recommendations: In order to eliminate the above problems, the following proposals have been developed: 1. Incorporate STOMA-DENT into the complex treatment system. Regular use of the drug before and after prosthetics improves the prevention of inflammatory complications. 2. Organize hygienic training for patients. Patients using complete removable dentures should be given practical recommendations on proper care of dentures. 3. Establish microflora monitoring. It is recommended to monitor the microbiological state of the oral cavity before and after prosthetics4. 4. Strengthen an individual approach. It is necessary to draw up a treatment plan taking into account the age, general somatic condition and characteristics of the oral cavity of each patient. 5. Expand scientific

3 Khamidov B.R. Oral microflora and its clinical significance. – Tashkent, 2020. – P. 74–76.
4 Khasanov M.R. Local immune status in patients using removable prostheses // Journal of Medical Biology. – 2022. – No. 6. – P. 28–30.

research. It is advisable to conduct multicenter scientific studies to study the long-term clinical effectiveness of STOMA-DENT.

Conclusion: It was found that during prosthetics with complete removable dentures, patients often experience problems such as mucosal inflammation, prosthetic stomatitis, disruption of the oral microflora, and difficulty adapting to dentures. These conditions reduce the effectiveness of prosthetics and negatively affect the functional and psychoemotional state of patients. The results of the study showed that the STOMA-DENT preparation has high prophylactic and therapeutic efficacy. As a result of using the preparation, signs of inflammation in the oral mucosa decreased, hyperemia and edema were observed to resolve more quickly. Also, due to the antiseptic properties of the preparation, the activity of opportunistic microorganisms decreased, and the oral microbiocenosis was normalized.

It was noted that patients using the STOMA-DENT preparation had a shorter adaptation period to dentures, a decrease in pain and discomfort, and an improvement in the quality of denture use. The regenerative effect of the drug contributed to the restoration of mucosal trophism and the activation of local protective mechanisms. The results obtained during the study confirmed the feasibility of using STOMA-DENT as a comprehensive prophylactic and therapeutic agent in prosthetics with complete removable dentures. The widespread introduction of the drug into orthopedic dental practice will reduce the risk of developing prosthetic stomatitis, improve the quality of life of patients, and increase the effectiveness of dental treatment.

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