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ЛЕЧЕНИЯ ПАРАДОНТА

USE OF ADHESIVE MATERIALS IN THE PROCESS OF ADAPTATION TO COMPLETE REMOVABLE PROSTHESES: CLINICAL EVALUATION OF EFFICACY

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Introduction. Orthopedic treatment of edentulous jaws in elderly and senile patients is associated with certain difficulties in the mental and somatic status of the patient. One of the main problems is the patient's adaptation to the manufactured orthopedic structure. To create functional prostheses, the doctor has to solve two main tasks: ensuring the fixation of dentures on the edentulous jaws and achieving stability of removable structures. If it is impossible to achieve functional absorption in the process of making complete removable prostheses, it is advisable to recommend such patients to use additional tools to improve the fixation and stabilization of prostheses. In the modern market of dental products there are many tools to improve the fixation of removable dentures: these are various gel, cream and powder preparations.

The aim of the study was to evaluate the effectiveness of the use of adhesive materials in complete removable prosthetics. Objectives of the study: to identify a tool for fixing and stabilizing complete removable dentures, which has the greatest adhesive effect; to determine the degree of functioning of the dental system after

prosthetics with removable dentures when using adhesives; determine the period of time required to adapt to complete removable dentures.

Materials and methods. Two materials, «Stomafix» (Ukraine) and «Corega» (Sweden), were used to compare the adhesive ability of adhesives. The study group consisted of 9 patients with newly made complete removable dentures for the upper and lower jaws, including 5 women and 4 men. All patients in the oral cavity have unfavorable conditions for fixation and stabilization of complete removable dentures. To improve fixation and stabilization, it was suggested to use «Stomafix» (Ukraine) and «Corega» (Sweden) for two weeks. The material was applied once in the morning, and its properties were evaluated according to the following criteria: duration of fixation over time; quality of fixation at rest; the quality of the prosthesis during function. As a control group, 3 patients with complete removable prostheses made on the upper and lower jaws were taken, but no additional fixation means were used.

Results and discussion. At the end of the study, it was found that both materials improve the fixation of complete removable dentures. When using «Stomafix» gel, only fixation improved in 33%, and fixation and stabilization improved in 67%. When using the gel «Corega» there was an improvement in the fixation of complete removable dentures in all patients for a short time (up to 2 hours). It is also noted that patients who use additional means for fixing prostheses, adapt more quickly to newly manufactured structures. Complete adaptation to the structures in patients who use additional means for fixing prostheses, occurred on 20-25 days of use of prostheses. In patients of the control group, complete habituation occurred only for 35-40 days.

Conclusions:

1. Material «Stomafix» (Ukraine) showed the best fixing properties.
2. With the help of adhesives you can achieve high rates of fixation and stabilization of the prosthesis: the result is visible immediately after application, which leads to a positive subjective assessment of the results of prosthetics by the patient, provides psychological comfort when talking and eating.

3. When using adhesives, the adaptation process is accelerated. Thus, the use of adhesives is appropriate and, of course, promising for practical use, in order to improve the fixation of removable dentures and faster adaptation to them.

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