



COMPARATIVE EVALUATION OF PARTIAL DENTURES WITH DIFFERENT ATTACHMENT ELEMENTS

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A B S T R A C T	K E Y W O R D S
<p>In the manufacture of removable dentures, there is often a problem of design features, the choice of fixation method. Fixation systems with wire clasps are outdated, but outdated, but widely used in clinical practice. In addition to the fact that such prostheses are unaesthetic, they are not only unaesthetic, but also increase the atrophy of the tissues of the base of the prosthesis, which ultimately leads to a deterioration in the fixation of the prosthesis, which leads to a deterioration in the fixation of the prosthesis (Kalinina N.V., Markov B.P.). At present, a number of improved designs of prostheses have been proposed. A number of more advanced orthopedic structures have been proposed, allowing the use of the remaining teeth as supports for removable dentures (Kalinina N.V., Markov B.P.). As abutments for fixing removable dentures. One of these designs is a removable prosthesis with a telescopic fixation system. The telescopic fixation system is represented by a metal crown with a 6° cone in the fixed part. The removable part with a 6° cone is a plastic base on which an artificial tooth is attached.</p>	

Introduction

The aim of this study was to compare the clinical efficacy of partial removable dentures with clasp and telescopic fixation systems.

Telescopic retention systems Clinical efficacy was assessed by the following indicators: prosthesis fixation, stability during functional testing, degree of exhaustion and degree of atrophy. The following indicators were used: stability during functional testing, degree of tissue atrophy of the prosthesis base and aesthetics. Mechanics of change. The volume of basic tissues of removable dentures was studied according to the method of M.I. Sadykov. The use of removable dentures. silicone in the placement of the prosthesis in the central occlusal position and occlusal pressure. orthodontic material was used. The volume of the impression separated from the base of the prosthesis was equal to the degree of atrophy of the tissues of the prosthesis. The studies were carried out on the day of installation of the manufactured prosthesis, one year after prosthetics and two years after prosthetics. 2 years after orthopedic treatment, partial removable dentures equipped with a telescopic system were studied. Prostheses with a telescopic fixation system in the 1st (60 patients) and 2nd (30 patients) groups, fixed removable dentures (Cranmer), as well as patients aged 20 to 70 years. And the results

showed that in patients of the 1st group, after a year, the dentures were still in place, which was due to the strong adhesion of the fragments of artificial teeth to the inner surface of the base of the prosthesis. After 2 years (9.6%), there was a decrease in retention during functional tests and functional examinations. Aesthetics remained good after 2 years, but in 4 cases (6.7%) there was prolapse of vestibular scales. This complication was due to insufficient space for installation due to vestibular inclined abutment teeth. In the comparison group, the subjective indicators of prosthesis fixation were assessed as satisfactory, the aesthetic parameters were unsatisfactory. All patients would like to replace the Cranmer system with a more aesthetic prosthesis. All patients would like to replace the Cranmer system with a more aesthetic prosthesis. Significant differences were found in the analysis of changes in the analysis of changes in the volume of the basic tissue of the prosthesis between patients of groups 1 and 2, significant differences were found. In group 1, one year after the use of the prosthesis, the volume of tissues under the basis of the maxillary and mandibular prostheses was $226.20 \pm 2.10 \text{ mm}^3$ and $112.31 \pm 1.40 \text{ mm}^3$ decreased. After 2 years of using the prosthesis, the volume of tissues in the upper jaw decreased by 239.40 mm^3 and $112.31 \pm 1.40 \text{ mm}^3$, respectively. In the jaws - by $239.40 \pm 1.4 \text{ mm}^3$. $118.61 \pm 1.21 \text{ mm}^3$ in the lower jaw. Changes in the volume of the basic tissues of dentures. The change in the volume of the tissues of the basis of the prosthesis after a year in group 2 was $317.6 \pm 2.8 \text{ mm}^3$ in the upper jaw, $317.6 \pm 2.8 \text{ mm}^3$ in the upper jaw and $236.4 \pm 1.37 \text{ mm}^3$ in the lower jaw. Mandible. The volume of the lower jaw was $236.4 \pm 1.37 \text{ mm}^3$. After 2 years of using the prosthesis, the tissue volume of the prosthesis base decreased by $432.41 \pm 4 \text{ mm}^3$ in the upper jaw. $32.41 \pm 4 \text{ mm}^3$ In the lower jaw, it decreased by $361.17 \pm 4.21 \text{ mm}^3$. The results of studies of changes in the volume of subbasic tissues of removable basic prostheses with different fixation systems showed that the volume of subbasic tissues of the upper and lower jaw differs with different fixation systems. The atrophy of the prosthesis base during telescopic fixation decreased by 1.2-2 times compared to telescopic fixation. With telescopic fixation, it was 1.2-2 times higher.

Conclusion:

Thus, the data obtained indicate that the clinical efficacy of prostheses with telescopic fixation systems is higher than that of prostheses with clasp fixation. Telescopic fixation systems are superior to prostheses with clasp fixation.

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