



THE IMPORTANCE OF REMOVABLE DENTAL PROSTHESES IN THE ORAL CAVITY

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Abstract. The article discusses the treatment of patients with a symptom complex of intolerance to denture materials with antioxidants without removing and replacing the latter with dentures made of precious materials. The data obtained expand knowledge about the changes in organs, tissues and body environments when using non-removable prostheses made of stainless steel and cobalt-chromium alloy.

Key words. Medicine, dentistry, periodontics, dentures, antioxidants, cobalt chromium alloy, radiography, metabolic disorders, acetylcysteine, lactic acid, uric acid, glutathione.

Daily hygiene and timely treatment are the best prevention of tooth loss. However, this is not always enough. Life circumstances, physiological and pathological processes in the body can lead to a weakening of the dental retention apparatus and, as a result, tooth loss. Problems often arise due to the careless attitude of pediatric dentists and parents to the condition of the child's teeth, which has consequences in adulthood[2,5].

The absence of a tooth not only worsens the aesthetic appearance, but also disrupts the digestive process, as food is not sufficiently crushed and processed with digestive enzymes. In addition, complete or partial adentia leads to displacement of adjacent teeth, which are forced to take on an additional load. Therefore, before making a decision on tooth extraction, you should carefully weigh all the circumstances. If your dentist recommends extraction, do not hesitate to seek additional advice from a specialist with a more specialized profile, whose experience and competence can help save the problem tooth[2,4].

If tooth extraction is unavoidable, do not delay the decision on the restoration of the dentition. First of all, you should define your main goal. In the absence of a tooth in the smile area, aesthetics are of paramount importance. In this case, dentures should look as natural as possible.

When prosthetics of chewing teeth, especially on the upper jaw, patients often prefer functionality. In this case, the denture must be durable and withstand significant chewing loads. Having determined the priorities, you can proceed to choosing the appropriate type of prosthesis. How do you imagine a removable prosthesis? Perhaps the first thing that comes to mind is the glass in which elderly people put their artificial jaws at night. Many people have heard about the inconveniences and impracticality of such prostheses. However, today the situation has changed dramatically. Modern dentures are not only aesthetically attractive, but also extremely comfortable to use[3].

Removable dentures are made from a variety of materials. Traditionally, acrylic plastic is used for the base of such prostheses, but this is no longer the only option. Flexible or elastic prostheses have gained considerable popularity. They are made of materials such as nylon or "Diflex". These prostheses are more elastic than acrylic ones, are hypoallergenic and repeat the relief of the oral mucosa with high accuracy, which makes their use extremely comfortable[5].

Contrary to popular belief, removable dentures in Vinnytsia are used not only to restore a large number of lost teeth. Due to their rapid manufacture, their immediate prosthesis is often used as a temporary solution in case of loss of front teeth. This is especially true after dental implantation surgery, when you need to wait several months for the implant to integrate[6].

If at least 6 teeth capable of withstanding the load are preserved in the jaw, the StomaLine dental clinic will offer you a partial removable prosthesis with a strong metal frame in the form of an arch - a denture. Although such prostheses are more expensive than those described above, they have a number of advantages:

- Do not require permanent removal;
- Minimally overlap the surface of the mucous membrane of the mouth and palate, preserving taste sensitivity and diction;
- They have high strength, which ensures comfortable chewing of food.

The classic denture has special protrusions - clasps that ensure its support and retention. Modern dentures are fixed with the help of special locks or attachment fasteners, which are attached to the supporting teeth. Such prostheses are much more convenient to use than clasped braces. They can only be removed for periodic cleaning[1,7].

There are many types of lock fasteners. Attachments. The exact cost of dentures with locks can only be determined by a doctor, taking into account the chosen design. It is worth noting that not in every case it is possible to install locks, so sometimes you have to choose another, more suitable type of dentures. All of the above concerns removable prosthetics. Non-removable structures are more convenient and reliable. These include well-known crowns and bridges. A bridge-like prosthesis made of pressed ceramics. The cost of a denture in Vinnytsia depends on the material of manufacture and the number of teeth to be replaced. Metal-ceramic and all-zirconium prostheses are distinguished by high aesthetic qualities and durability[3,10].

Glutathione, which can also be oxidized by lead ions, plays an important role in maintaining them in a reduced state, followed by the development of a deficiency of this tripeptide [6]. This leads to an inhibition of the function of the antioxidant system due to both inactivation of antiperoxidation protection enzyme molecules and a lack of glutathione peroxidase and glutathione transferase substrates [8].

The confirmation of this assumption was the object of our research. If it was correct, it opened up the possibility of pathogenetically justified correction of intolerance to metal dentures (stainless steel, cobalt-chromium alloy without and with nitride titanium coating)[1,5].

Removable prosthetics are often resorted to when it is impossible to install non-removable dentures. With the help of removable structures, it is possible to restore one or more teeth (both in the "smile zone" and the chewing group). Among the main indications for the installation are the terminal defects of the dentition, the included defects of the frontal

zone and complete adentia. If a patient has periodontal tissue diseases, removable prosthetics are the preferred way to restore lost teeth.

They are ideal for restoring lost teeth of the chewing row and practically do not differ from natural ones. More affordable, but technically and morally obsolete types of dentures are made by stamping steel with subsequent spraying of titanium nitride "for gold" or without it. Prosthetics on implants deserves special attention. This technique allows you to restore the dentition even in the complete absence of teeth.

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