

AESTHETIC REQUIREMENTS PLACEMENT OF ARTIFICIAL TEETH

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Abstract: Placing dentures can be a challenging task, as many different factors must be considered, including aesthetic requirements. Esthetic requirements refer to the appearance of artificial teeth and their compatibility with natural teeth. In this article, we discuss the basics of esthetic considerations in patients after extraction of dentures, including consideration of various esthetic requirements, including color, shape, material, and fit, as well as incisal edges and laugh lines.

Key words: Artificial teeth, smile line, cutting edge, aesthetic requirements, dental materials, tooth restoration, dental cosmetics, dental aesthetics, dentistry, dental implants, dental technology, dental prostheses, dental appearance.

Dentures are a modern innovation designed to replace missing or damaged artificial teeth. They are an important component of modern dental practice and have allowed millions of people around the world to regain the ability to speak and eat normally. In this article, the history of artificial teeth, types, requirements for the type, rules for the type, different types available today, as well as their advantages and disadvantages are considered. The manufacture of artificial teeth began in ancient times with early attempts to replace missing teeth from a variety of materials such as animal bone, ivory, and wood. However, artificial teeth were not successful because of the materials used. The ivory was prone to discoloration, and the wooden teeth would expand and contract, causing discomfort and pain to the user. The first significant improvement in the development of artificial teeth was made when the French dentist Duchateau made a discovery that led to the development of ceramic prostheses. Refractory ceramic was more esthetic and durable for dentures than earlier materials such as bone or ivory.

Another innovation in this field was introduced in 1820 by the American dentist Thomas. He created a ceramic tooth that could be combined with gold plates, thus providing durability and comfort to the wearer. Later, in the 20th century, new materials such as acrylic and plastic were developed and used to make dentures. These materials were cheaper than ceramics and easier to use in the manufacturing process.

Current artificial teeth. Nowadays, there are different types of artificial teeth depending on the needs of the patient. Some of them are:

Dentures are completely removable. Complete dentures replace an entire set of teeth for a patient who has lost all of their teeth. They are made of acrylic or plastic and restore the entire row of teeth. Complete dentures should be cleaned properly to prevent bad habits and bacterial infections. They transfer chewing pressure to the rest of the tooth root and mucosal tissue and bone.

Partially removable prostheses. Partial dentures replace only some of the missing teeth and are designed to fit over the teeth that the abutments hold. These prostheses can be made of acrylic, plastic, or metal, and they can be removable.

Non-removable bridge prostheses. A bridge, also known as a dental bridge, is artificially connected to healthy adjacent teeth or implants. This type of bridge prosthesis is designed to replace a single tooth or a series of teeth. They are more comfortable and less precise than removable prostheses.

Dental implants. Dental implants are a more modern solution to replacing artificial teeth. A titanium implant is surgically placed into the jawbone. Over time, it fuses with the surrounding bone tissue, and a crown tip is placed on the implant to provide a permanent tooth replacement. Dental implants look, feel and function like natural teeth and are the most comfortable and natural looking solution to artificial teeth.

Advantages and disadvantages of artificial teeth. Artificial teeth have several advantages; some of them include:

Artificial teeth can be made to resemble natural teeth, which gives the patient confidence in their appearance. Tooth loss can have a negative impact on a patient's quality of life, making it difficult to chew or speak properly. Dentures allow the wearer to regain the ability to chew and speak properly. Dentures can last for many years if properly cared for, thus providing the wearer with long-term use. . Incorrectly fitted dentures or dentures can make eating and speaking difficult, which can affect the user's quality of life. If not properly fitted, artificial teeth can cause discomfort, pain and irritation. Artificial teeth, especially when advanced and modern technologies and techniques such as dental implants are required requires expenses. Insurance may not cover all costs, resulting in additional out-of-pocket costs. Dentures require care and cleaning to prevent damage and bacterial infections, especially denture wearers should be active in their oral hygiene regimen. crossed l. They offer people with missing teeth a viable solution to restoring normal function and, most importantly, increasing self-esteem and confidence. They are different, and thanks to technological advances, their quality has improved significantly. Although they have some drawbacks, their benefits far outweigh any negatives. Modern dentistry has brought innovative solutions such as dental implants, which have revolutionized the field of artificial teeth, providing a very similar option to natural teeth while at the same time providing the most durable solution to missing teeth. However, it is important to seek proper guidance in choosing the best type of denture to meet the patient's specific needs. This can be achieved by scheduling an appointment with a dentist for proper evaluation and fitting for a suitable and comfortable denture.

Artificial teeth, also known as dentures, are prosthetic devices designed to replace missing teeth for aesthetic and functional purposes. They are an important choice for patients who have lost teeth due to aging, trauma, decay or other factors. One of the most important aesthetic requirements to consider when choosing artificial teeth is color. Providing a natural and seamless look The color of the artificial teeth should match the surrounding natural teeth as much as possible. To achieve this, manufacturers offer artificial teeth in different colors. In some cases, special shades can be created that closely match the color of natural teeth. It's important to note that teeth naturally darken with age, so people may want to choose a slightly darker shade of dentures to maintain a natural look as they age. Another important aesthetic requirement to consider is the shape of artificial teeth. The shape of the teeth should match the natural shape of the patient's face and smile, which should ensure that the artificial teeth are in harmony with the rest of the mouth. In addition, the shape of the artificial teeth should be proportional to the size of the mouth and face of the person. If the artificial teeth are too big or too small, they stand out and look unnatural.

Denture material is also an important factor to consider when choosing dentures. There are several different materials available, including acrylic, ceramic, and composite resin. Acrylic teeth are the most desirable option, but they are also the least durable and prone to staining. Ceramic teeth are the most natural looking, but they are more expensive and prone to chipping or cracking. Composite resin teeth are a middle ground option that provides a natural look and durability, but they are also more prone to staining. It is important to consider the pros and cons of each material and select the one that best suits the patient's needs and preferences. Finally, denture fit is an important factor to consider when choosing dentures. Dentures should fit tightly and comfortably in the mouth, without slipping or rubbing against the gums. Improper fit can cause discomfort, speech difficulties, and visible gaps between dentures and gums. A well-fitted denture should also provide adequate support to the lips and cheeks, which can contribute to a more youthful and natural appearance.

In summary, the selection of artificial teeth requires careful consideration of several aesthetic requirements, including color, shape, material and fit, and the rules of the smile line and incisal edge. These factors must be carefully weighed to ensure a natural, seamless appearance in which dentures blend in with the rest of the mouth. By taking the time to carefully evaluate and fit the right dentures, people can improve speech, chewing, and overall confidence in their appearance.

References:

1. Wehner, P. J., Hickey, J. C., & Boucher, C. O. (1967). Selection of artificial teeth. *The Journal of prosthetic dentistry*, 18(3), 222-232.
2. Nassri, M. R. G., Carlik, J., Silva, C. R. N. D., Okagawa, R. E., & Lin, S. (2008). Critical analysis of artificial teeth for endodontic teaching. *Journal of Applied Oral Science*, 16, 43-49.
3. Son of Shonazar, A. S. (2022). DENTISTRY. *Novosti obrazovaniya: issledovanie v XXI veke*, 1(3), 98-101.
4. Takaichi, A., Fueki, K., Murakami, N., Ueno, T., Inamochi, Y., Wada, J., ... & Wakabayashi, N. (2022). A systematic review of digital removable partial dentures. Part II: CAD/CAM framework, artificial teeth, and denture base. *Journal of Prosthodontic Research*, 66(1), 53-67.
- Chorievich, E. S. (2023). THE ROLE OF BRONZE IN THE HEALTH OF TEETH. *Journal of Universal Science Research*, 1(5), 1699-1706.
5. Kulbuldiyev, H. (2022). PRIMARY TEETHING AND MOUTH HEALTH. *Science and Innovation*, 1(8), 820-822.