

AESTHETIC REQUIREMENTS IN CHOOSING ARTIFICIAL TEETH

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Abstract: Choosing the right denture can be a difficult task, as many different factors must be considered, including aesthetic requirements. Esthetic requirements refer to the visual appearance of artificial teeth and how well they harmonize with the surrounding natural teeth. In this article, we discuss the various aesthetic requirements that patients should consider when choosing dentures, including color, shape, material, and fit.

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

Artificial teeth, also known as dentures, are a modern innovation designed to replace missing or damaged teeth. They are an essential component of modern dental practice and have enabled millions of people around the world to regain the ability to speak and eat normally. This article examines the history of artificial teeth, the different types available today, and their advantages and disadvantages. In ancient times, artificial teeth were made from a variety of materials, including animal bones, ivory, and wood, which began with early attempts to replace missing teeth. 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 in 1774 when the French dentist Alexis Duchateau made a discovery that led to the development of porcelain dentures. Porcelain, which is fire resistant, was more aesthetic 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 Evans. He created a porcelain tooth that could be fused to 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 porcelain and easier to use in the manufacturing process.

Today's artificial teeth. Today, there are different types of artificial teeth depending on the needs of the patient. Some of them are:

1. Complete dentures. 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 and mucous membrane tissues and bone.

2. 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.

3. 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.

4. 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:

1. Aesthetic appeal. Artificial teeth can be made to resemble natural teeth, which gives the patient confidence in their appearance.
2. Improving the quality of life. Tooth loss can have a negative impact on a person's quality of life, making it difficult to chew or speak properly. Artificial teeth allow the user to regain the ability to chew and speak properly.
3. Longevity. Dentures, if properly cared for, can last for many years, thus providing the wearer with long-term use.

However, artificial teeth have some disadvantages, including::

1. Difficulty eating or speaking. Incorrectly fitted dentures or dentures can make eating and speaking difficult, which can affect the user's quality of life.
2. Inconvenience. If not fitted properly, dentures can cause discomfort, pain and irritation.
3. Price. Artificial teeth are expensive, especially if advanced and modern technologies and techniques are required, such as dental implants. Insurance may not cover all costs, resulting in additional out-of-pocket costs.
4. Routine maintenance. Dentures require care and cleaning to prevent damage and bacterial infections, especially for denture wearers who need to be proactive in their oral hygiene regimen.

Artificial teeth have come a long way since they were invented in ancient times. They offer people with missing teeth a viable solution to restore normal function and, most importantly, boost 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 very important to seek proper guidance on choosing the best type of dentures to meet a person's unique 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 individuals who have lost teeth due to aging, trauma, decay, or other factors.

Color. One of the most important aesthetic requirements to consider when choosing artificial teeth is color. To ensure a natural and seamless appearance, the color of artificial teeth should match the surrounding natural teeth as closely 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.

Fig. Another important aesthetic requirement to consider is the shape of artificial teeth. The shape of the teeth should match the natural shape of the person'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.

Material. Denture material is also an important factor to consider when choosing dentures. There are several different materials available, including acrylic, porcelain, and composite resin. Acrylic teeth are the most desirable option, but they are also the least durable and prone to staining. Porcelain teeth are the most natural looking, but they are more expensive and prone to cracking or

chipping. 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 choose the one that best suits one's needs and preferences.

Compatibility. 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, choosing dentures requires careful consideration of several aesthetic requirements, including color, shape, material, and fit. These factors must be carefully weighed to ensure that the dentures look natural, seamless, and blend in with the rest of the mouth. By taking the time to carefully evaluate and select the right dentures, people can improve speech, chewing, and overall confidence in their appearance.

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