

Dental Implants

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What is a dental implant? A dental implant is an artificial root used in dentistry to repair and support restorations to resemble real teeth. In most cases, an implant is the most logical solution for repairing teeth that are very damaged or missing.

Why people would need a dental implant? People who need this surgery usually have bad teeth, either affected by tooth decay, root canal failure, gum disease, etc.

What are they made of? These dental implants are made of a titanium screw either having a rough or smooth surface. There are many grades of titanium, 1-5, but most of the time 1-4 are used. These are a lot stronger than dentures and bridges, which are sometimes used to fix teeth.

There are many different types of dental implants, but the most popular one is called the osseointegrated implant. This is when the bone and implant are directly connected to each other. Usually needs to be anchored and supported for months before procedure is complete.

This surgery requires preparation. The surgeon performing this operation has to check the teeth in prior meetings in order to correctly place the implant in with the right measurements. The doctor might use ct scanning in order to get a better view of the implant location and problem. Sometimes a stent might be placed into the person's mouth showing exactly where the incisions will be made.

In order for this procedure to have success, there are many things that come into play. The first being the person's jaw must be strong enough to support the implant. The tissues and teeth near the

implant must be healthy. In most cases the success of the implants depends on the person performing the surgery. Most people are successful with their operations, shown with the 95% success rate. After the surgery, the patient has the responsibility of taking care of their implant and keeping it in good health.

These implants sometimes fail due to poor positioning; they may break, or may get infected. Sometimes various diseases cause these implants to fail. For example, someone with type 2 diabetes, someone who has uncontrolled blood sugar, might have a hard time healing their implant because of the blood circulation to the jaw.

References

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