



DENTAL IMPLANTOLOGY IN THE DIABETIC PATIENTS

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ABSTRACT

Rising population of diabetic individuals across the world has become a big concern to the society. The persistent hyperglycemia may affect each and every tissue and consequently results in morbidity and eventually mortality in diabetic patients. A direct negative response of diabetes has been observed on oral tissues with few contradictions however, little are known about effect of diabetes on dental implant treatment and the consequent results. Many studies concerned with osteointegration and prognosis of dental implant in diabetic patients have been conducted and published since 1994. These studies have been critically reviewed to understand the impact of diabetes on the success of dental implant and the factors to improve osseointegration and consequently survival of dental implant in diabetic patients. Theoretical literatures and studies in diabetic animals substantiate high failure rate of implants but most of clinical studies indicated statistically insignificant failure of dental implants even in moderately uncontrolled diabetic patients. Success of dental implant in well and fairly controlled diabetic patients with proper treatment planning, prophylactic remedies and adequate postsurgical maintenance appears as good as normal individuals

DENTAL IMPLANTS AND DIABETES

Generally, Dental implants resolve the risk because your denture is secured to your jawbone to eliminate any slipping or irritation that might lead to an infection or swelling.

Although diabetes can affect your body's immune system, research shows the condition doesn't raise the risk of implant failure with special pre- and post-implant care. Therefore, you'll require a thorough consultation with your implant dentist to look for any potential risk



factors, like bone loss or infection. Any issues will need to be resolved prior to your placement surgery, like bone grafting or periodontal therapy. Once a healthy smile has been restored, you can safely move forward with getting dental implants.

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With a heightened risk of infection, oral hygiene is crucial to ensuring your dental implants thrive for years. A commitment to your oral hygiene at home and routine care from your dentist will keep harmful infections at bay to preserve your investment.

There are a few important things a diabetic patient has to know though. First off, if you are a diabetic, you will need special pre and post implant care. This is important as to prevent and minimize complications. Recent research findings indicate that dental implants are safe for people living with controlled diabetes. In other words, as long as your overall health complies with the standard and pre-procedure health guidelines are you good to go.

The Basics

Permanent dental implants have actually been proven to significantly improve the overall health of diabetics. With permanent implants, you can be sure you'll observe and maintain a healthy, balanced diet meal plan. Dental implants also go the extra mile to get rid of irritation, infections and inflammation, which are setbacks that care extremely common with dentures. This further reduces the risk of life threatening periodontal diseases as well as post implant complications and infections. Note that inflammation issues hardly go well with diabetics.

Type 1 vs. Type 2 Diabetes

Health risks associated with type 1 diabetes vis a vis dental implants is slightly higher compared to the risks associated with type 2 diabetes vis a vis dental implants. That's because type 1 diabetes is harder to control than type 2 diabetes. This does not mean in any way that

people living with type 1 diabetes cannot have dental implants. Like already mentioned, you only need to take pre-procedure measures. Your oral surgeon will first have to review your medical and dental records. You will also have your general health assessed. This will help your dentist understand salient factors such as your history infection as well as your body's typical timeline as far as healing is concerned.

The Age Factor

This is very important. Age may matter more than usual when it comes to a person living with diabetes. The longer one has had diabetes the more prone he or she will be to infections. The healing process may also be an issue to be wary of when handling a patient who has lived with diabetes for a long time. The bottom line here is simple. If you are diabetic and are interested in getting permanent or even temporary dental implants, sooner is certainly better than later.

Getting Your Implants

It is important to note that systematic review of several studies reveal that patients with controlled diabetes have no more risk of failures or complications than their non-diabetic counterparts. Studies also show that patients with uncontrolled and untreated diabetes have higher rates of both implant failure as well as post procedure infection.

Dental implants are usually embedded into the bones and gums of the jaws. They rely on the natural healing process of the human body so as to rebuild jaw bone tissues which are essential for fusing bones around the dental posts. This complete integration into the gums and how is what makes dental implants more or less like real teeth. It is what makes them a permanent solution as opposed to dentures.

Once done, the healing process can be slower in a person living with diabetes. It gets worse in a person with untreated diabetes. That is why your dentist **must** take into account your diabetes history before fixing implants on you. It is also why you must take the necessary measures to control your diabetes. Your oral surgeon should be able to create a plan for you to ensure you end up just fine after getting dental implants.

In Conclusion. Dental implants offer significant benefits that require that they be considered for the treatment of a wide spectrum of patients, including the growing number of individuals with diabetes mellitus. Although uncontrolled diabetes has been shown to interfere with various aspects of the healing process, the results of this retrospective study indicate that a high success rate is achievable when dental implants are placed in diabetic patients whose disease is under control

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