



## Dental Implants: A Revolution in Restorative Dentistry

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### DESCRIPTION

Dental implants are a modern marvel in the field of dentistry. They have revolutionized the way we restore missing teeth, offering patients a reliable and aesthetically pleasing solution. Unlike traditional dentures and bridges, dental implants provide a permanent and long-lasting alternative that mimics the look, feel, and function of natural teeth. In this essay, we will explore the fascinating world of dental implants, their history, benefits, the procedure, and their impact on patients' lives. The concept of dental implants is not new; it dates back thousands of years. Archaeological findings from various civilizations have revealed that people throughout history have attempted to replace missing teeth with materials such as seashells, ivory, and even stones. However, the modern dental implant as we know it today was developed in the mid-20<sup>th</sup> century. Dr. Per-Ingvar Branemark, a Swedish orthopedic surgeon, is often credited with pioneering the use of titanium dental implants in the 1950s. His research showed that titanium had the unique ability to osseointegrate, meaning it could bond with the bone. This discovery laid the foundation for the development of contemporary dental implant techniques. Dental implants are designed to look, feel, and function like natural teeth. They provide a seamless solution that blends with the rest of your dentition, enhancing your smile and self-esteem. Dental implants are known for their durability. When properly cared for, they can last a lifetime, making them a cost-effective option in the long run. Missing teeth can affect speech, making it challenging to articulate certain sounds. Dental implants can restore speech clarity and confidence. Dental implants allow patients to enjoy their favorite foods without restriction, as they provide the same chewing strength as natural teeth. Implants stimulate the surrounding bone, preventing bone loss that commonly occurs when teeth are missing. Unlike traditional bridges, dental implants do not require the alteration of adjacent healthy teeth, preserving their integrity. Oral surgeon will assess

your oral health and determine if you are a suitable candidate for dental implants. In this surgical procedure, a small titanium post is placed into the jawbone, serving as the artificial root of the tooth. Over a period of several months, the implant fuses with the surrounding bone, providing a stable foundation. Once osseointegration is complete, an abutment is attached to the implant, which will connect the implant to the crown. The final step involves attaching a custom-made crown to the abutment, restoring the missing tooth. Dental implants have transformed the lives of countless individuals. Not only do they restore oral function and aesthetics, but they also boost self-confidence. Patients often find themselves more willing to smile, socialize, and enjoy their favorite foods without hesitation. Moreover, the preservation of bone health and the elimination of potential discomfort associated with ill-fitting dentures or bridges further enhance the quality of life for implant recipients.

### CONCLUSION

Dental implants represent a remarkable advancement in restorative dentistry. With their natural appearance, durability, and positive impact on patients' lives, they have become the gold standard for replacing missing teeth. Thanks to pioneers like Dr Ingvar Branemark, dental implants continue to evolve, offering hope and a renewed quality of life to those in need of tooth restoration. As technology and techniques continue to improve, the future holds even more promise for this groundbreaking field of dentistry.

### ACKNOWLEDGEMENT

None.

### CONFLICT OF INTEREST

The authors declare that they have no conflict of interest.

<b>Received:</b>	30-August-2023	<b>Manuscript No:</b>	IPDPD-23-18123
<b>Editor assigned:</b>	01-September-2023	<b>PreQC No:</b>	IPDPD-23-18123 (PQ)
<b>Reviewed:</b>	15-September-2023	<b>QC No:</b>	IPDPD-23-18123
<b>Revised:</b>	20-September-2023	<b>Manuscript No:</b>	IPDPD-23-18123(R)
<b>Published:</b>	27-September-2023	<b>DOI:</b>	10.36648/2471-3082.23.9.21

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**Citation** Nordenram A (2023) Dental Implants: A Revolution in Restorative Dentistry. *Periodon Prosthodon*. 9:21.

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