



*The importance of a good choice of*  
*dental implants*

# What are dental implants?



They are **artificial roots made of clinically pure titanium** (a material with an excellent degree of biocompatibility with the body) that are placed in the mandibular or maxillary bone to create a **solid base to restore individual teeth or partial or total prostheses.**

From a functional point of view, dental implants are exactly the same as our natural teeth so you can chew with total comfort, smile, speak and, in short, **feel as safe as you did with your own teeth.**

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ARTIFICIAL CROWN

The visible part that is custom made and that provides aesthetics and function.

METAL POST:

The internal part of the restoration on which the crown is fixed and which, in turn, connects inside the implant.

IMPLANT

Titanium root fixed in the bone that will support the artificial tooth affixed to it.

BTI SOLUTIONS

Depending on the amount of bone (width and height), the surgeon chooses a suitable implant that will later be inserted.

ENDORET®(PRGF®) COMPATIBILITY

The surface of the implant can be “bathed” in the patient’s plasma, in such a way that its integration in the bone is quicker and of higher quality.



# *What are the benefits* OF PLACING DENTAL IMPLANTS?

1 2 3 4 5 6

## 1. REDUCING OVERLOADS ON THE OTHER TEETH

As other teeth are lost, the remaining teeth have to bear the full force of chewing, suffering a significant overload, therefore, shortening their useful life. With implants we do not only replace the teeth lost at an aesthetic level but also at a functional level.

## 2. STOPPING BONE REABSORPTION (BONE LOSS)

When several teeth are lost a process of bone reabsorption or loss begins that, in many cases, is accelerated by the pressure of removable prostheses (dentures). When artificial roots are implanted the bone reabsorption is also stopped, **and the functional and aesthetic consequences of this can be dramatic.**

### 3. REGENERATION THANKS TO ENDORET® (PRGF®): PLASMA RICH IN GROWTH FACTORS

The use of Endoret® (PRGF®) provides an amount of proteins at the site that increase the regeneration capacity of bone lost over years, and the repair of tissues after surgery.





#### 4. IMPROVING DENTAL FUNCTION

They can replace removable dentures with fixed teeth, improving the function and aesthetics of your smile. Replacing teeth without the need to touch your natural teeth, letting you chew, smile and speak completely normally.

#### 5. IMPROVING AESTHETICS

Dental prostheses, fixed on the implants, have same shape, colour and size as your own teeth. Their advantage lies in the end result being completely natural, **not looking like false teeth**. Patients with implants can laugh and speak completely normally.

#### 6. BTI SOLUTIONS

Implantology problems arise due to a lack of bone, either in terms of height or width. The diversity of diameters and lengths of **BTI's dental implants offer solutions to all these problems**.

# How safe

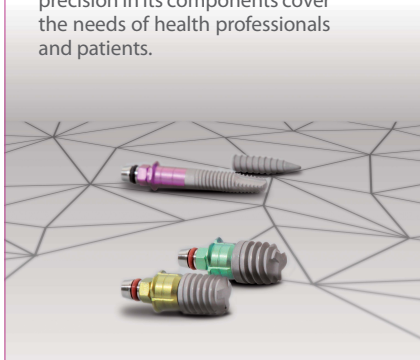
## ARE THESE TREATMENTS?

Thanks to a technology in constant evolution, dental implantology is **a very safe and predictable technique provided it is carried out and supervised by an expert.** In fact, this has been established by numerous long-term clinical trials. Any patient that would like their implants and prostheses to last must bear in mind that they require **basic care: hygiene and periodical revisions.**

**The implants and other BTI components** that we use in this dental practice are the result of the **latest biotechnological progress,** fruit of over 20 years of research. They are manufactured with maximum quality materials and have been subject to **exhaustive manufacture and accuracy checks.**

### ▶ MAXIMUM GUARANTEES WITH BTI IMPLANTS

The search for quality and excellence is a fundamental part of BTI's business philosophy and for this reason it makes an enormous effort to maintain a high level of precision in its components cover the needs of health professionals and patients.





# *Frequently asked questions*

IMPLANTS.

## **IS THIS AN IMPORTANT DECISION?**

Yes. The first thing you need to do is **consult your dentist** to find out exactly what your problem is. He or she will make a **full diagnosis of your teeth** to find out if you are a suitable candidate for implant placement. If you have **sufficient quality and quantity of bone and you are generally in good health** their placement is indicated.



Dental implants are a lasting treatment, but you must remember that **daily hygiene and regularly attending the maintenance checks** established by your dentist are essential requirements for their success.

Different studies and follow-ups carried out throughout the years prove that the **BTI dental implant system is absolutely safe** as it has a **surgical success rate of over 99%**.

## CAN I HAVE IMPLANTS?

When an implant is to be fitted the **professional is the one who must do the necessary studies to assess** whether you fulfil the conditions regarding quality and quantity of maxillary bone, and check the patient's general condition.

Only in case of patients with special conditions such as: cancer, unmonitored diabetes, psychiatric patients, young people that are not yet fully developed, pregnant women and smokers are contraindicated for implant placement.

## IS THE TREATMENT PAINFUL?

No. In spite of the historical fear of dentists, today most people are aware that the dentist is not going to hurt them. That said, it is also true that going to your consultations may not be the most entertaining thing you do that day. Treatment with implants **requires a small surgical operation**, but the discomfort this may cause can be managed perfectly. In general, this discomfort is no more than having a tooth extracted would cause.

## CAN THEY BE **REJECTED**?

The concept of **osseointegration** is the opposite of rejection. Therefore, we can say that rejection, using the technique and the materials described, does not happen.

It is possible that **one of the implants may be lost** through infection, premature overload of the implants, poor bone quality or some other even less common cause. This is precisely the reason why these treatments must be carried out by a qualified specialist that monitors all these parameters perfectly. **Tobacco is a common and significant cause of failure** in treatments with dental implants as it seriously harms the health of your teeth.

## **HOW LONG DOES THE TREATMENT LAST?**

The treatments with implants are constantly evolving. The traditional time for osseointegration is **3 or 4 months in the mandible and 4 to 6 months in the maxilla**, although this can be reduced in some special situations. If there is good quality bone and a good initial stability in some cases we can do what we call immediate loading or “teeth in a day”.

We can fit some provisional teeth the same day or the next day and then, after the traditional osseointegration time, fit the definitive prosthesis. **But it will be your specialist who, in all cases, will tell you your best option.**

## ARE THERE **DIFFERENT QUALITIES** OF DENTAL IMPLANTS?

What makes BTI implants different from other implants on the market is that they are fruit of constant research and development work thanks to the prestigious team of researchers and collaborators at international level that have some direct bearing on the ongoing improvement and innovation of their products. Requested quality from your dentist. **Ask for BTI dental implants.**

## HOW DO I KNOW IF **THE IMPLANT PLACED IS OF GOOD QUALITY?**

Today there are tens of dental implant systems on the market with big differences in their design and the manufacture location of the different parts that they comprise. The BTI implant system has the approval of the European health authorities with the **CE mark**.

[www.bti-biotechnologyinstitute.com](http://www.bti-biotechnologyinstitute.com)

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+ *information*



# What is Endoret<sup>®</sup>(PRGF<sup>®</sup>)?

PLASMA RICH IN GROWTH FACTORS

BTI has developed a **pioneering system at world level** designed specifically to obtain a **100% autologous** preparation rich in growth factors



A stylized illustration of a human figure from the waist up, showing the internal circulatory system. The heart is centrally located, with red arteries branching out to the arms and blue veins returning blood to the torso. The figure is rendered in a dark blue, almost black, color with the internal organs and vessels in red and light blue.

## REGENERATION PROCESS



A circular inset showing a microscopic view of blood components. It features several red, biconcave disc-shaped red blood cells and one blue, star-shaped platelet. The background is dark red.

### Our body

Our blood contains plasma and millions of platelets with the ability to regenerate tissues.

- Accelerates the healing process
- Reduces inflammation.

- Reduces the risk of infection
- Absence of pain

## + *benefits*



### **Growth factors**

They are proteins that are inside the platelets and plasma and are responsible for regenerating and repairing our tissues.



### **Natural regeneration**

The use of the patients' own growth factors results in a natural repair of the damaged tissues.

# *BTI protocol Implant system*

## **THE SUCCESS** OF YOUR DENTAL IMPLANT

The BTI implant system is a system that offers a **wider range of custom solutions** adjusted to every necessity, from the planning prior to surgery, the choice of the most suitable implant and the use of advanced surgical techniques to the customised creation of the final prostheses, in such a way that dental professionals can approach their **treatments with maximum confidence and predictability**.

BTI covers another fundamental area for the medical professional: ongoing training in different surgical and restoration specialisations, offered **through its various programs taught by an excellent professional team** both in its main training centre and in the different centres it has all over the world.

This **multidisciplinary offer** is very important for practitioners and shows the company's ability to help their customers improve their clinical performance.





**bti**®

Human  
Technology

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