



Your teeth,  
*naturally  
healthy*

**endoret® (prgf®)**  
Endogenous Regenerative Technology

BENEFITS OF PLASMA RICH  
IN GROWTH FACTORS

BIOSAFE · 100 % AUTOLOGOUS · PATENTED



# ***ENDORET<sup>®</sup> (PRGF<sup>®</sup>)***

**WHAT IS PLASMA RICH IN GROWTH FACTORS?**

## RESEARCH

The emergence of regenerative medicine and biological therapy has enabled us to approach medicine with a new biological focus. Based on the same principles, all the research carried out by BTI is aimed at developing safe and efficient solutions for tissue regeneration, coming into fruition

in the pioneering ENDORET<sup>®</sup> (PRGF<sup>®</sup>) technology (Plasma Rich in Growth Factors). Its efficiency and safety has been confirmed by over 15 years of research, numerous publications and clinical trials, by the recognition of the scientific community, but above all, by the more than half a million patients treated successfully.

## OTHER APPLICATIONS

The continuous progress made by BTI's research team in the study, use and formulation of growth factors make it possible to offer new therapeutic solutions in diverse fields of medicine such as dental medicine, traumatology, ophthalmology, clinical and aesthetic dermatology, among others.



BTI Biotechnology research centre in the facilities in Alava Technology Park (Spain).

## GUARANTEE AND RELIABILITY

ENDORET® (PRGF®) is a **unique, patented system that has all the health certifications** necessary at international level, which makes it the safest and highest-quality technique currently on the market.

## PIONEERS

ENDORET® (PRGF®) is the first technique based on obtaining a concentrate of **100% autologous** growth factors (obtained using a small amount of blood from the patient). **It is recognised all over the world and is patented by BTI Biotechnology Institute.**

DID YOU KNOW THAT THE SOLUTION FOR

# *a healthy mouth is inside you?*

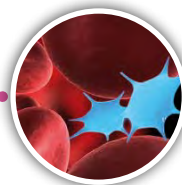
Regenerative medicine has been a **revolution in the search for new treatments**. Thanks to this, today it is possible to use the human body's own resources to cure itself, which is the principle on which the ENDORET® (PRGF®) technology is based. This technique enables

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## REGENERATION PROCESS

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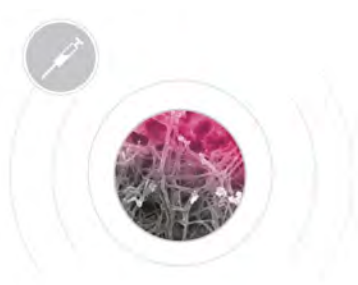


### Our body

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

## 100% AUTOLOGOUS

It is based on the activation of the patient's own platelets for the stimulation and acceleration of tissue healing and regeneration. The versatility of this technique means it can be applied to different fields of medicine.



## ENDORET® (PRGF®) TECHNOLOGY

us to isolate, concentrate and remove growth factors; a set of proteins present in our blood, responsible for repairing tissues naturally. The use of the ENDORET® (PRGF®) technology has been a revolu-

tion in the field of dental medicine that means we can offer solutions that are minimally invasive, customised, biosafe and predictable to guarantee the success of the treatment.



### 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.

WHY DOES YOUR DENTIST USE  
**ENDORET<sup>®</sup> (PRGF<sup>®</sup>)?**



Because its application is very beneficial for you. The use of ENDORET<sup>®</sup> (PRGF<sup>®</sup>) in dental medicine favors quicker and more predictable healing, reducing **not only** the pain but also the risk of infection.

- Accelerates the healing process
- Reduces inflammation

- Reduces the risk of infection
- Absence of pain

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*benefits*

STUDY WITH ENDORET® (PRGF®)



*Patient that is part of a BTI study on the maxillary sinus elevation technique (due to the lack of bone that prevents implants being fitted) on both sides of the face. In one of them, biomaterial mixed with ENDORET® (PRGF®) is inserted and, in the other, only biomaterial.*

*You can see the inflammation on the side not treated with ENDORET® (PRGF®).*



# *My case is complex and painful,*

## **ARE THERE ANY SOLUTIONS?**

There are **multiple versatile solutions** offered by ENDORET® (PRGF®) technology. As there are different formats (liquid, gel or fibrin membrane), plasma rich in growth factors helps us solve different and complex clinical situations.

As an example, this technology will be used in a liquid format to wet dental implant surfaces to reduce the osseointegration time, in gel format to recover bone after a tooth extraction or in a bone defect. It will be possible to create grafts with the patients' own bone in order to regenerate it thereby avoiding more complex surgeries

- **Dental extractions**
- **Treatments with implants**

- **Patients with loss of bone**
- **Treatment of periodontal defects**



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*most common* applications





*"Thanks to the advice from my dentist to use the ENDORET® (PRGF®) technique I could have implants where I had no bone"*



Who  
can apply the

**ENDORET® (PRGF®) TECHNOLOGY?**



BTI Biotechnology Institute certifies the use of ENDORET® (PRGF®) technology in centres that have been duly trained by our specialists and researchers with the objective of providing them with the necessary knowledge to obtain the best results in its application. For your safety and your health, **avoid imitations.**

# Guarantees for the patient

ENDORET® (PRGF®) technology has been conceived thanks to a series of precise and very rigorous protocols during each stage: **extraction, centrifugation, fractioning, activation and application**. This protocol guarantees the quality of the end product obtained, in optimum conditions. All the elements used by its specialists have been specifically designed by the R&D+i department of Biotechnology Institute (BTI).



## HALLMARKS OF QUALITY

All the components of ENDORET® (PRGF®) Technology have received the **CE certification** from the European health authorities and therefore **PRGF System® is authorised in Europe and America** to obtain plasma growth factors and its application in a number of medical specialities.

**ENDORET® (PRGF®) IS BEING USED SUCCESSFULLY IN MORE THAN 20 COUNTRIES ALL OVER THE WORLD.**



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Technology

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