



*Regenerative
medicine*

*in sports
traumatology*

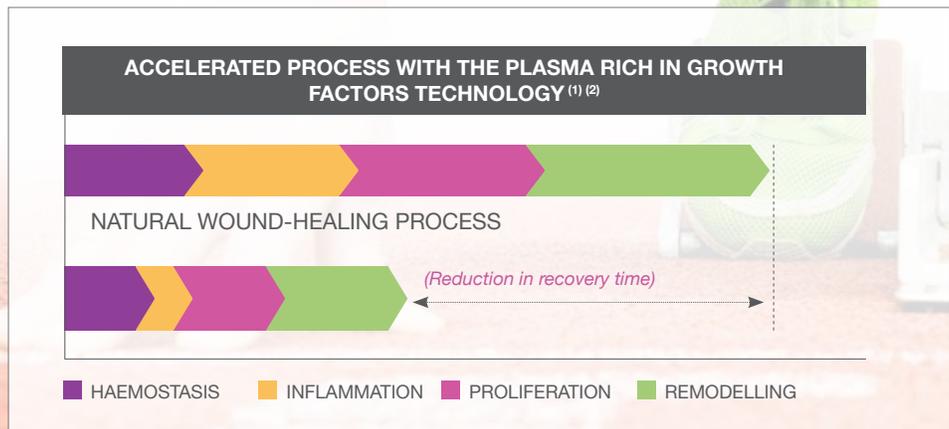
TREATMENT WITH PLASMA
RICH IN GROWTH FACTORS

Return to sport

Can regenerative medicine accelerate recovery from an injury?

For people who exercise, regardless of their level, a prompt and successful recovery is the key to resuming normal physical activity as soon as possible.

The technology of growth factors stimulates the healing process in the most common sports injuries



Which injuries can be treated with plasma rich in growth factors?

The aim of treatment with plasma rich in growth factors is the ***regeneration of affected tissue*** in injuries such as:

- Chronic tendinopathy
- Acute and chronic tendon ruptures
- Torn ligaments
- Meniscal pathology
- Muscle tears

The infiltration of plasma rich in growth factors can be ***an alternative to surgery*** in many of these cases.

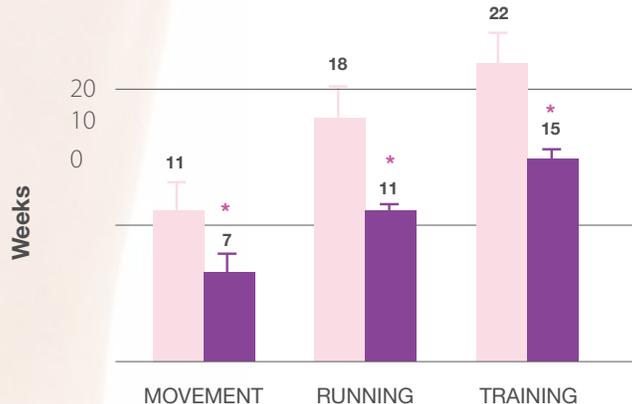
(1) Sánchez M, Anitua E, Azofra J, Andía I, Padilla S, Mujika I. Comparison of surgically repaired Achilles tendon tears using platelet-rich fibrin matrices. *Am J Sports Med.* 2007;35:245-251.

(2) Anitua E. Plasma rich in growth factors: preliminary results of use in the preparation of future sites for implants. *Int J Oral Maxillofac Implants.* 1999;14:529-535.

What does the technology related to plasma rich in growth factors provide?

The technology of plasma rich in growth factors reduces recovery time after surgery very significantly, allowing a return to normal physical activity in a much shorter time.

RECOVERY TIME AFTER A SURGICAL RECONSTRUCTION OF A RUPTURED ACHILLES TENDON



This is a common injury in **football, basketball, squash, tennis, sprinting and jumping.**

*Comparison of surgically repaired Achilles tendon tears using platelet-rich fibrin matrices. Sánchez M, Anitua E, Azofra J, Andía I, Padilla S, Mujika I. Am J Sports Med. 2007 Feb;35(2):245-51

What are growth factors?

Growth factors **are proteins that are naturally found in the blood plasma and inside platelets.** They perform an important function in the communication between cells and have many biological effects, and **they play an important role in healing processes and tissue regeneration.**

Using the technology of plasma rich in growth factors developed by BTI, from a small volume of blood (32 ml) from the patient it is possible to isolate and concentrate this set of proteins, for their therapeutic application.



Benefits

*of the technology of plasma
rich in growth factors*

DECREASES

the degree of
pain

MINIMIZES

the effects of
injuries and
prevents relapses

REDUCES

the
inflammation

SPEEDS UP

the return to
normal activity

How is the treatment applied in sports medicine?

Through infiltrations at the site of the injury. These infiltrations can be performed on an outpatient basis at the health centre.

As an adjuvant therapy in surgery.



Commitment to quality

The professionals of this centre are qualified to use this technique and have received specific training in BTI's technology related to plasma rich in growth factors.

BTI's technology related to plasma rich in growth factors meets all the regulatory and quality requirements established by the competent sanitary authorities.

This technology has been designed to be applied using precise and very rigorous protocols that guarantee the quality of the final product.

