



## THE EVOLUTION OF PLATELET RICH FIBRIN

Platelet concentrates have been utilized in medicine for over 3 decades, owing to their ability to secrete growth factors rapidly. They have gained tremendous momentum as a regenerative agent derived from whole natural blood that stimulates tissue regeneration in many medical fields.

Many years ago, it was proposed that by concentrating platelets utilizing a centrifugation device, a super-dose of natural growth factors could be used in surgical sites to promote local wound healing. Today, it has been scientifically proven that platelet concentrates act as potent a wound healing modality capable of:

- Speeding the revascularization of tissues (angiogenesis)
- Acting as a potent recruitment agent of various cells including stem cells (chemotaxis)
- Inducing the prompt multiplication of different cell types found in the human body (proliferation)

Numerous scientific articles from multiple fields of medicine have now demonstrated their ability to support the regenerative process of several cell types and tissues.

## FAQ's

### HOW LONG DOES THE PROCEDURE LAST?

The entire process may take about 15 minutes. Overall, the spin cycles vary from 3 to 8 minutes, depending on the protocol utilized. Ask your doctor if you have questions.

### IS THE PROCEDURE PAINFUL?

The procedure is virtually painless and relies on a simple blood draw utilized in everyday blood labs. In fact, it has scientifically been shown that when PRF is added to regenerative procedures, a significant decrease in post-operative pain, chance of infection, and complication rate are all decreased when PRF is utilized.

### HOW DOES BIO-PRF STIMULATE WOUND HEALING?

When tissues are required to heal, they need certain proteins and growth factors that stimulate healing. These are naturally found in the human body. The Bio-PRF method produces up to 6-8 times more platelets and leukocytes when compared to whole blood. That means more growth factors, more ways to fight infections, and reducing post-op pain naturally.

[www.bio-prf.com](http://www.bio-prf.com)