

## **Platelet Rich Fibrin (PRF)**

Platelet Rich Fibrin (PRF) is exactly what the name suggests. The substance is a concentration of growth factors and cells collected from your own blood. It is a minimally invasive and natural regenerative procedure that is done by performing a standard blood draw and spinning the vials in a centrifuge. The "Bio-PRF" method that we use accumulates 6-8 times more platelets and leukocytes compared to whole blood. Since no chemical additives are utilized, the process forms a "super" blood clot capable of stimulating wound healing. These cells then release growth factors and fight potential incoming infections, thereby reducing post-operative pain or discomfort.

Simple, Effective, and 100% Natural!!!

- Speeds up and promotes healing
- Minimizes recovery time
- Reduces the chance of infection
- Minimally invasive
- No chemical additives

Platelet concentrates have been utilized in medicine for over three decades. However, the use of this technology was primarily confined to the hospital setting due to cost and logistics. New research and technology now allow us to harvest and produce a sufficient quantity of platelets from only a few vials of blood drawn from the patient while they are having outpatient surgery. We have been providing this added value service to our patients since 2004!

It has been scientifically proven that platelet concentrates act as a potent wound healing modality, capable of speeding the revascularization of tissues (angiogenesis), acting as a recruitment agent of various cells including stem cells (chemotaxis), and induces the prompt multiplication of different cell types found in the human body (proliferation).

### **PRF has many clinical applications**

- Bone grafting - this includes onlay and inlay grafts for ridge augmentation, sinus lift procedures and the preservation of extraction sites for future implant placement.
- Used at the time of implant surgery to minimize healing time and infection risk
- Adjunct in the repair of defects created by removal of teeth or small cysts
- Treatment of gum tissue recession