The Platelet-Rich Fibrin (PRF) technique uses the most advanced Blood Concentrate technology to generate a Fibrin Matrix rich in Platelets, Leukocytes and Mesenchymal stem cells.

This process results in the constant release of growth factors and interleukins for 10-12 days that accelerates tissue healing and skin regenerating processes. This 100% autologous rejuvenation technique is a substantial progress from the well-established PRP (or Platelet-Rich Plasma) technique where growth factors are all released only for a few minutes after treatment.

This is all natural. There is no coating, additive or anticoagulant present in the tubes and it is proven to release a higher concentration of growth factors for a longer period of time.

**INDICATIONS**

Skin and hair rejuvenation: Skin tightening, improved skin texture and quality, as well as collagen stimulation and hair restoration.

**TREATMENTS**

In Cosmetic surgery, PRF is used to accelerate the wound healing process and reduces scarring. In Aesthetics, PRF is used to treat alone or in combination with collagen induction therapy to treat:

- Hair loss
- Dark circles
- Acne scarring
- Wrinkles and fine lines
- Tear throughs and deep folds
- Brown spots (face, neck, décolleté)
- Volume loss and symmetry adjustment

**PRE-CARE INSTRUCTIONS AND RELATIVE CONTRAINDICATIONS:**

This treatment is highly dependable on the level of hydration of the patient (patients need to start hydration process 72 hours before treatment). Patients who smoke may have less response to this treatment.

**IMPORTANT INFORMATION**

PRF could be more opaque than PRP as it contains 2 to 3% of Erythrocytes, compared to PRP which contains 1%. It is important to centrifuge the blood immediately after the blood draw in order to obtain the best quality concentrate. Depending on the selected centrifugation program, each vial will yield 1.5cc to 3 cc of PRF.
PRF for skin rejuvenation and volume correction

PRF may be mixed with any FDA approved injectable filler - recommended concentrations are as follows:

1. For Patients looking at maintaining the volume effect of the filler while getting the benefits of the PRF mix
   - Mix 2 parts of filler to 1 part of PRF (2/3, 1/3). For example, mix 0.5 mL of EZ-PRF to 1 mL of filler, to obtain a total volume of 1.5 mL.
   - Be sure to minimize air bubbles while mixing the PRF with the dermal filler, using the luer-to-luer connector.
   - Use a 25G 1 ½” DermaSculpt microcannula. It is recommended to inject the filler within 15 minutes to minimize gelling / clotting.
   - If the 25G DermaSculpt microcannula becomes harder to push through, do not hesitate switching to a 22G 2” microcannula.

2. For Patients willing to come in for a "Tune-Up" Injection but who are looking for maximal benefits of PRF
   - Use the same protocol as above but mix 1:1 (equal parts of PRF and Dermal Filler).
   - 25-30% of the volume effect will be lost after about 6 weeks but the patient will notice lasting skin quality enhancement.
   - For patients looking for a complete autologous filling as an alternative to synthetic solutions:
     - Use pure PRF for injection but the volume effect will start to dissipate after 4-6 weeks.
     - May repeat and perform a series of 3 sessions after which the patient will notice improved skin quality and elasticity, as well as more collagen stimulation in the areas injected.

PRF for hair restoration

- Draw 4-6 vials of PRF to get 6 to 8 mLs of PRF to inject.
- Inject directly into the scalp using a multi-injector or a sharp needle.
- May also perform light microneedling with CosmoPen simultaneously (0.5 to 1 mm depth) and apply PRF topically prior to injections for extra boost.
- Repeat every month and perform series of 3 to 5 sessions.
- Make sure that the patient is following other hair stimulating protocols.

Collagen Induction Therapy with PRF for rejuvenation, stretch marks, scars, acne, and acne scars

- Draw PRF and apply a thin layer prior to micro-needling.
- Microneedle to appropriate depth depending on indication.
- Apply PRF topically during and after the treatment.
- Can perform sessions every 2-4 weeks depending on indication.

Fat Transfer

- Harvest fat for fat transfer.
- Mix fat to PRF - for each 10 mL of fat, add 2 mL of PRF.

Post Surgery (Facelift, Necklift, Rhinoplasty, Blepharoplasty, Body Surgery, Etc)

- Apply PRF to wound bed when finished with surgery and it will gel immediately upon touching the tissue, and help form a hemostatic gel and heal the wound bed faster.
- This accelerates wound healing down time and highly reduces chances of scarring.