PLATELET RICH FIBRIN
Next Generation Blood Concentrate

The Swiss Knife of Wound Healing

PRF was coined by the French Anesthesiologist Dr. Joseph Choukroun in 2001, who is still very much setting the pace in refining the protocols and methods of PRF.

PRF is today increasingly used across medical specialties, as an important regenerative tool for tissue reconstruction, wound healing, inflammatory and pain management in joints and tendons, as well as encapsulation of bone materials in dental and orthopedic surgery.

Full support of the healing cascade

In short PRF delivers a full range of cells, growth factors and proteins in a fibrin matrix that provides a surplus of regenerative force into the site supporting the initial steps in the healing cascade from inflammation to proliferation advancing the neovascularisation process by slowly secreting the right growth factors over the time of several days.

Low Speed Centrifugation Concept

In 2014 the PRF protocols changed significantly as the LSCC was formulated by Choukroun et al. By lowering the centrifugation speed and time PRF was significantly enriched with various inflammatory cells such as leukocytes and platelets and enabled formulation of new protocols like i-PRF™.

Clotting technology

The material technology used in the PRF tubes control the clotting process and is differentiated into two tubes - A-PRF™ and i-PRF™.
**i-PRF™: injectable PRF**

In 2014, Choukroun and his team of researchers managed to produce a liquid form of PRF (i-PRF™), in which the formation of fibrin matrix was postponed. As i-PRF™ is injected, fibrinogen then starts the coagulation and forms an encapsulation of the cells which is able to stick to rough surfaces.

**i-PRF™+: New 13ml tube protocol for facial aesthetics**

The i-PRF™+ protocol is preset to support the new 13 ml tubes. The extended tube length not only makes the volume higher but utilizes that the centrifugation speed in the top section is even lower than the 10 ml tubes and provide a higher i-PRF™ output from a more gentle spin.

**A-PRF™: PRF membranes**

Each A-PRF™+ tube will produce one PRF clot shortly after spinning using the PRF protocol. The serum in the clot is drained in few minutes in the PRF box and can be stored in there for hours.

**A-PRF™ Liquid: Large membranes and sticky bone option**

By combining the A-PRF™+ tubes and the A-PRF™ Liquid protocol the PRF can be used in a liquid state where clotting is postponed a few minutes. This allows for the creation of PRF membranes of various sizes and encapsulation of materials like bone materials.

The PRF membranes are very rigid and can even be sutured in place using a monofilament suture.

**DUO Centrifuge: 6+ protocols**

The DUO centrifuge holds 6+ protocols for PRF supporting the two editions of tubes. It is possible to customize settings.