

Tropocells® PRP in Orthopedics & Sports Medicine

Tropocells® PRP is the most advanced and innovative Platelet Rich Plasma (PRP) preparation system in the market. PRP is a progressive and non surgical healing treatment comprised of autologous plasma with significant higher concentration of platelets. Platelets release cytokines, growth factors and other bioactive proteins essential for connective tissue healing; regenerating and repairing bone, tendon, cartilage and ligament; promoting development of new blood vessels and stimulating the wound healing process.

Platelets release various growth factors

FGF
(Fibroblast growth factor)

Tissue repair, cell growth, collagen production, wound healing and hyaluronic acid production

EGF
(Epithelial growth factor)

Promotion of epithelial cell growth, angiogenesis, promotion of wound healing

PDGF
(Platelet derived growth factor)

Cell growth, new generation and repair of blood vessels, collagen production

TGF - β
(Transforming growth factor beta)

Growth and new generation of epithelial cells and vascular endothelial cells, promotion of wound healing

IGF - 1
(Insulin-like growth factor)

Anabolic effect, chondrogenesis, proliferation

VEGF
(Vascular endothelial growth factor)

Growth and new generation of vascular endothelial cells and blood vessels

Platelets

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 Clinically Proven Solutions



ADVANCE REPAIR RESTORE

YOUR BODY'S ABILITY
IN A NATURAL WAY

Platelet-Rich Plasma (PRP) Therapy





What is Platelet Rich Plasma?

Platelet Rich Plasma (PRP) is an advanced regenerative therapy that uses the patient's own blood components to help rebuild damaged tissue. Upon blood drawing into a sterile tube (in the exact same manner as a standard blood sample) and derived separation, a concentration of platelets is formed in the plasma. This platelet concentrate is a source for growth factors essential for tissue homeostasis/regeneration, development of new blood vessels and other related healing processes. PRP therapy is a proven technology for using your own cells to accelerate the body's natural healing process, without entailing it to significant risk.

How does Tropocells® PRP work?

A sample of blood is taken from the patient. The blood is then centrifuged to easily separate the PRP from the whole blood. Approximately 10 minutes later, the Tropocells® PRP is ready for treating the damaged area. These concentrated platelets facilitate the body's natural healing processes through the release of growth factors and other regenerative molecules. This will enhance tissue healing cascade

How many treatments will I need?

Your physician will examine you and recommend a treatment regimen. Although the course of therapy may vary, usually the Tropocells® PRP treatment is performed by administering 3 injections within 6 months. A follow up treatment may be provided for optimal long-lasting results.

Are there any special instructions?

Contraindications include pregnancy, breast feeding, autoimmune or blood pathologies and cancer.

How soon can I return to regular physical activities?

PRP treatment is designed to promote long term healing, as the synthesis of new collagen, tissue regeneration and tendons/ligaments repair takes time and rehabilitation. For best results patients may follow a course of physical therapy after consulting their physician.



A biological approach to **HEAL,** **REGENERATE** and **REPAIR** orthopedic pathologies

Tropocells® PRP, a safe and effective, non- aggressive alternative to harnessing your body's own strength to regenerate and regain your competence.



Tropocells PRP is available for purchase from premierwellbeing.ie