



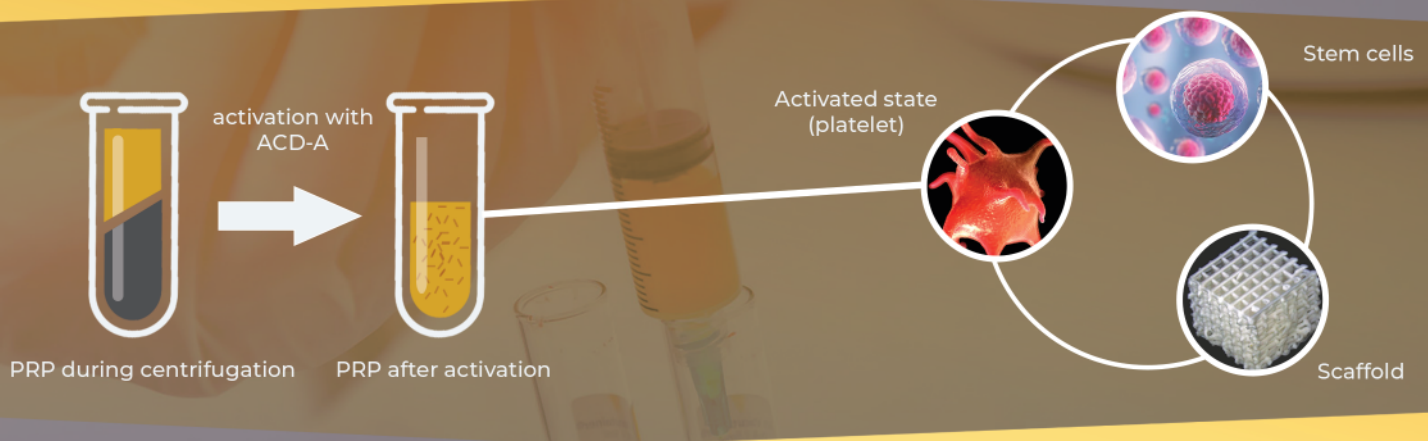
GLOW PRP[®]

The Power Of Autologous Platelet Rich Plasma



ADVANTAGES AND BENEFITS OF GLOW PRP KIT

- ◆ 9ml tube allows for increase in collection over the smaller standard-size tube.
- ◆ It contains ACD-A Anticoagulant.
- ◆ The count of platelet rich plasma reaches up to 1 million.
- ◆ Sterile system, closed system, pyrogen-free and Negative pressure.
- ◆ Uses single-spin technology.
- ◆ Is compatible with all centrifuges.
- ◆ The plasma is separated at 3500 rpm in 8 minutes Or It placed in a centrifuge for 8 minutes at speed 3500 rpm.
- ◆ Allows over 90% platelet recovery.
- ◆ The manufacture of the tube was done without gel in order to maintain the best results for samples, since the presence of the gel affects the accuracy of the samples.
- ◆ Enables the formation of natural collagen in response to the presence of the activated platelets.
- ◆ Has a good safety profile with little to no swelling or bruising.
- ◆ Provides good results with or without the use of underlying fillers.
- ◆ Is equally effective for men and women.
- ◆ Simple and rapid process compatible with clinic and hospital settings.



ACTIVATION OF GLOW PRP KIT

Anticoagulant Citrate Dextrose Solution A (ACD-A) is a PRP activator. ACD-A is used as an anticoagulant in the extracorporeal blood processing with Autologous PRP Systems in production of Platelet-Rich Plasma (PRP).

GLOW PRP KIT

IN AESTHETIC AND COSMETIC DERMATOLOGY

The rich platelets function as a natural reservoir for GF that are essential in repairing injured or damaged tissue. Because of this broad feature and the natural versatility of the approach, GLOW PRP can treat a wide range of dermatological issues such as:

- ◆ Treatment of fine lines and deep wrinkles
- ◆ Reduction of acne scarring and sun damage
- ◆ Correction of dark circles and under-eye puffiness
- ◆ Stimulation of human dermal fibroblast proliferation and increase of type I collagen synthesis
- ◆ Improvement to the quality of the skin and increase in collagen and elastic fibers
- ◆ Improvement of micro-vascularization and correction of rosacea
- ◆ Triggers angiogenesis
- ◆ Stimulates hair growth



Clinical Results



Skin Rejuvenation and Tightening



skin brightening



Acne Scarring



Undereye dark circles



Neckline and Decolletage



Hand Rejuvenation



Stretch Marks



Neck rejuvenation

GLOW PRP KIT

FOR HAIR LOSS

GLOW PRP is a natural and modern method of choice for quality hair restoration. It is a safe, nonsurgical procedure with significant results. It is an injectable treatment that uses the patient's own plasma, which contains active GF that promote hair growth. These GF may help hair grow or, at a minimum, slow hair loss. GLOW PRP is suitable for both men and women. The result leaves the patient with fuller, healthier-looking hair. The number of treatments will depend on the patient's hair condition and will be discussed by the medical professional during consultation. In general, a course of treatment involves four to six treatments at four-week intervals. Patients will typically see significant hair growth starting at six months and continuing thereafter (the amount and cause of hair loss are determining factors). Patients should seriously consider repeat treatments in intervals of six to twelve months to maintain hair restoration progress.



Clinical Results



Hair Loss Treatment

These images depict the results of six to ten GLOW PRP sessions at one-month intervals

GLOW PRP KIT

IN ORTHOPEDIC AND SPORTS MEDICINE APPLICATIONS

PRP is rich in many GF, which play an important role in the body's healing process and can potentially regenerate tissue via multiple mechanisms, **Proposed clinical and surgical applications include :**



- spinal fusion
- Knee osteoarthritis
- Enhancement of healing
- Chondropathy
- Tendinopathy
- Ligament and muscle injuries
- Acute and chronic soft tissue injuries

The **GLOW PRP** is specifically engineered to aid in the isolation and use of PRP through centrifugation of a fraction of autologous blood. the **GLOW PRP KIT** is designed to maximize the upper work limits of platelets using minimal volumes of the patients venous sample. the unique technology in the **GLOW PRP TUBES** allows for five - to six - fold increase in useable platelets from a single centrifugation run. the kit includes PRP Tubes designed to produce the maximum volume of usable platelets from minimal blood samples. once obtained, the processed platelets can be used for a wide range of dermatological applications such as skin rejuvenation treatment of acne scarring, and hair loss.

the **GLOW PRP KIT** has extensive orthopedic advantages that significantly aid in the treatment of damage tissue, tendon injuries and ligament damage.



The **GLOW PRP Kit** combines modern technology with the body's own ability to heal itself and is used in various medical applications including:



Aesthetic and cosmetic
Dermatology



Orthopedics



Ophthalmic
surgery



Maxillofacial
surgery



General
surgery

GLOW PRP KIT

is specifically engineered to aid in the isolation and usage platelet rich plasma (PRP) through centrifugation of a fraction of autologous blood the **GLOW PRP KIT** is designed to maximize the upper work limits of platelets using minimal volumes of the patients venous sample.



GLOW PRP KIT

PREPRATION STEPS



Venipuncture technique
and specimen collection



Separation , centrifugation
and Balance



PRP Collection



Application

Can be used in conjunction with other treatments, including injection, topical application, automated meso micro-needling device , derma Stamp, derma Roller, facelift, blepharoplasty, fractional carbon dioxide laser, fat grafting, and hair transplantation.

OUTCOMES OF USING THE **GLOW PRP KIT**

The GLOW PRP kit encourages the skin to produce collagen and added GF, making skin appear fuller, tighter, and more youthful, After multiple treatments, we have seen results varying from subtle facial youth boosts to notably younger-looking skin. Other advantages of therapy include reduction of hair loss. The full process of collagen regeneration takes anywhere from three to six months. Individual patients will have slightly different recovery times, but from our experience, a high percentage of patients have seen promising results and a significant difference within only a few days of the first treatment and continue to see gradual improvement over the following weeks



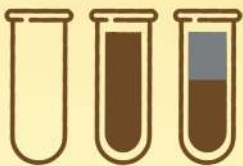
PLASMA - RICH PROTEINS

Platelet-rich plasma (PRP) is also known as platelet-rich growth factors (GF), platelet-rich fibrin (PRF), matrix, PRF, and platelet concentrate. PRP is an autologous preparation of a high number of platelets in a relatively small quantity of plasma.

PRP contains more than 30 kinds of GF related to tissue healing in the α -granules, including platelet-derived growth factor (PDGF), transforming growth factor- β (TGF- β), basic fibroblastic growth factor, vascular endothelial growth factor, insulin-like growth factor-I, epidermal growth factor, and 1-4 and connective tissue growth factor (CTGF)

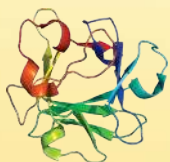
A selection of growth factors found in platelet-rich plasma and the biological actions

GROWTH FACTORS



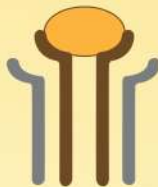
Platelet derived growth factor (PDGF)

Mitogenetic for fibroblasts, smooth muscle cells, mesenchymal stem cells, and osteoblasts. Stimulation of macrophage and neutrophil chemotaxis; activation of macrophages



Fibroblast growth factor (FGF)

Promotion of angiogenesis, endothelial and fibroblast proliferation and migration, fibronectin synthesis and secretion.



Transforming growth factor (TGF α/β)

Extracellular matrix synthesis Keratinocyte regulation in reepithelization Stimulation of angiogenesis Stimulation of type I and type III collagen production . Stimulation fibroblasts and mesenchymal stem cells proliferation,



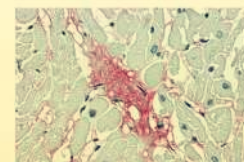
Epidermal growth factor (EGF)

Stimulation of epithelial / mesenchymal mitogenesis. Stimulation of chemotaxis of keratinocytes. Stimulation of endothelial chemotaxis mitogenesis and angiogenesis. Regulation of the secretion of collagenase.



Vascular endothelial growth factor (VEGF)

Stimulation of angiogenesis Chemotactic for endothelial cells Mitogenic for endothelial cells and keratinocytes



Connective tissue growth factor (CTGF)

Regulation of collagen synthesis. Enhancement of platelet adhesion. Stimulation of white blood cell migration. Promotion of angiogenesis.

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