

The PRP contains many growth factors that stimulate the hair follicle's growth. PRP can be used preoperatively, intraoperative, or post operatively. Some patient's chose to have PRP performed every six (6) months as early data suggests regular or semiannual PRP treatments can stimulate hair growth.

PRP has been used successfully in other medical and surgical disciplines for many years. The decision to use PRP is a personal decision and should be made after careful research, consideration and consultation with a physician. PRP is safe and natural because the procedure concentrates the good cells from your own body directly back into the area where it is needed. There is absolutely no chance of getting a blood infection from another human being. PRP involves using your own cells and it will not be rejected by your immune system.

Clinical trials are not complete and medical data is not yet published to determine the effectiveness of PRP therapy in hair restoration. PRP should not be considered a "cure" for hair loss and no guarantee can be made about its individual effectiveness. No claim of PRP efficacy in promoting hair growth can be made because there is no FDA approval that would allow such claims to be made.

we encourage it and prescribe PRP therapy as a compliment to a nonsurgical approach for those patients who are not eligible for surgery or who want to delay hair restoration surgery. As a non-surgical treatment option, we do recommend PRP therapy along with Minoxidil and DHT blockers or for those patients who cannot tolerate or have side effects with these medications.

Platelet Rich Plasma Stem Cell Therapy



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RENEWDERM

SKIN . HAIR . LASERS . AESTHETICS CENTRE

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Timing: (Mon - Fri) Morning - 9am to 1pm
Evening - 4:30pm to 8:30pm, Sat. - 10am to 6pm

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SAIFEE HOSPITAL

15/17, Maharshi Karve Rd.,

Consulting room: 3rd floor (Executive Health Check up.)
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Timing : 2pm to 4pm (Mon. to Fri.)



Platelet Rich Plasma Stem Cell Therapy

Recent advances in tissue engineering techniques have paved way for newer horizons in a increasing the proliferation and differentiation of progenitor or stem cells by adding of biologic safe adjuncts. Platelet-rich plasma (PRP) is once such tool of the modern era of regenerative processes.

Growth factors released from activated platelets initiate and modulate wound healing in both soft and hard tissues. A recent strategy to promote the wound-healing cascade is to prepare an autologous platelet concentrate suspended in plasma, also known as platelet-rich plasma, that contains growth factors and administer it to wound sites for wound healing, tissue repair...

Recent applications of autologous platelet rich plasma has found improvement in hair growth, antiaging, rejuvenating and scar healing in dermatology.

Platelet rich plasma entails the whole blood removed from the patient which is spun in a centrifuge, separating the cells of the blood called as platelets. As such a higher concentration of platelets is delivered into the tissue for healing. Thus a person can use his or her own body's (autologous) regenerative power to restore lost tissue without invasive surgeries.

PRP specific cells that cause hair growth include:

- ✓ **Platelet-Derived Growth Factor (PDGF)** : Promotes blood vessel growth, cell replication, skin formation;
- ✓ **Transforming Growth-Factor-Beta (TGF-b)** : Promotes growth of matrix between cells, bone metabolism;
- ✓ **Vascular Endothelial Growth Factor (VEGF)** : Promotes blood vessel formation;
- ✓ **Epidermal Growth Factor (EGF)** : promotes cell growth and differentiation, blood vessel formation, collagen formation;
- ✓ **Fibroblast Growth Factor-2 (FGF-2)** : Promotes growth of specialized cells and blood vessel formation; and
- ✓ **Insulin Like Growth Factor-(IGF)** : A regulator of normal physiology in nearly every type of cell in the body

The injections are performed using very small needles after numbing the skin with a surface anesthetic cream over one hour. Please be aware there is a recovery period involving swelling; and in some cases, bruising which is mild and transient and natural as PRP evokes an inflammatory response which is desired. This swelling should subside in 3 to 7 days. Applying cold compresses, elevating your head. The results are normally seen within 2-3 months and may require 3 to 5 separate sessions. In general, usually over a 3 to 4 week interval, patients should be able to see improvements in: skin texture; complexion; and tone. These improvements can continue for upto a year.

About two decades old and well published in American and European literature PRP is well established in many branches across medical field with generally positive outcomes and success. In the field of hair restoration, existing evidence demonstrates PRP therapy as a promising treatment option to promote hair growth. While PRP is in the early stages of scientific research in hair restoration, PRP therapy has established itself to be safe and effective medical treatment modality in other specialty fields such as oral surgery, neurosurgery, plastic and cosmetic surgery, sports medicine and orthopedics.



This new addition in cosmetic enhancements has many possibilities such as eliminating skin wrinkles, rejuvenating the skin, improve the appearance in those with acne scarring, and hastening the healing process after a facial peel and inducing hair growth. Variable results are seen due to patients lifestyle and medical profile like age, extent of lost hair, extent of wrinkling, smoking, sun damage , nutritional make up and genetic factors which influence the results. Mesenchymal stem cells and autologous blood products are examples of how essential and specific growth factors can assist in tissue regeneration and healing.

At Renewderm dermatocosmetic and laser centre we offer PRP therapy as an innovative scientifically based natural non-surgical hair restoration therapy



Before



After



Before



After