

## Consent for PRP Hair Regrowth Procedure

### *Purpose*

Using blood-derived growth factors (platelet rich fibrin matrix PRFM), the PRP Hair Re-growth is a safe procedure for regrowing hair on your scalp.

### *Benefits*

This treatment is natural in that your own cells are used, treated with a chemical that is not foreign to the body, and injected into the specified areas. Since a distillate of growth factors from your own blood (PRFM) is used, there should be no side effects from the material injected. The body reacts to the treated cells as it does to a wound and immediately starts repairing the tissue. This builds the underlying tissue with tightening, smoothing, and increased blood flow than makes hair regrow. Within 6 to 8 weeks you will see improvement with continued changes for 4 to 6 months. There is actual growth of new tissue by stimulation of uni-potent stem cells, so the change is not from something foreign being in the body but from the body actually rejuvenating and growing. The PRFM stimulates new blood flow with new blood vessels (neovascularization). The PRFM converts hair from resting telogen phase to active growing anagen phase while blocking DHT (dihydrotestosterone). The Acell stimulates hair growth along with PRFM in a symbiotic way. The Vitamin D and B-complex vitamins increase the diameter size of the hair shaft growth. The results of this treatment should last at least one to two years, but results may vary. Research to document the longevity of results is ongoing.

### *Treatment*

You may take a pain medication, such as Tylenol or a prescription pain medication may be requested. Do **not** take aspirin, Advil, Motrin, Aleve, non-steroidal anti-inflammatory medication, or corticosteroids. These drugs may inhibit the stem cells natural inflammatory response. You may ask for an anti-anxiety medication to use prior to the treatment. A topical anesthetic (numbing) cream (lidocaine, bupivacaine, and tetracaine) is applied to the scalp. Blood is drawn in the same way blood samples are taken for routine lab tests. Blood is centrifuged to separate the component cells. Platelets are separated and used for this procedure. The platelets are treated with calcium chloride (which tricks the cells into thinking that they are in the body and the body has been injured). The platelets release growth factors into the platelet rich fibrin matrix liquid (PRFM). The liquid PRFM is combined with Acell, Vitamin D3, and B-complex vitamins before being injected into your scalp areas using a tiny needle. Next, platelet poor plasma is applied to your scalp. Microneedling is done to drive this platelet poor plasma (PPP), as well as the PRFM mixture that is already in your scalp. The microneedling promotes hair regrowth by supplying and deeply penetrating your hair follicles with the PRFM, Acell, Vitamin D3, B-complex mixture and PPP hair regrowth enhancers. It may take 5 to 7 days to heal from microneedling and do not pick any of the scabs. Let the scabs fall off naturally so as to not produce any scars. Finally, another coat of platelet poor plasma (PPP) is applied after the microneedling, and you are sent home with this PPP to apply every 2 hours for the next 8 hours. You will wash it off the next morning with mild soap (Dove or Ivory) and water.

*Foreseeable Risks and Discomforts*

The primary risks and discomforts are related to the blood draw where there is a slight pinch to insert the needle for collection and there is a potential for bruising at the site. The injections at the treatment locations cause pain similar to an intramuscular injection (since a small needle and topical anesthetic (numbing) cream are used). There is a potential for bruising at the injection sites. Pain from bruising could occur. Smokers have less positive response to this treatment than non-smokers, since the toxins in cigarette smoke block the response of the stem cells. There may be some variation in achieving the results requested as everyone's body type is different and may have a different response. The introduction of the needle into the skin always presents the possibility of infection, scarring, loss of sensation, or change in muscle strength. Males should receive a second treatment at 2 months for maximal benefit.

*Post-Treatment*

The post treatment therapy has been explained at the time of injection and I acknowledge that written instructions were given and are understood. A one page handout explains post-treatment recommendations and is sent home with you.

*Privacy*

You privacy is protected.

*Photographs*

I authorize the taking of clinical photographs and their use for scientific purposes both in publications and presentations. I understand my identity will be protected.

*Payment*

I understand this is a cosmetic procedure and that payment is my responsibility. I have read the above and understand it. The doctor, nurse, and/or staff have answered my questions satisfactorily. I accept the risks and complications of the procedure.

Patient Signature: \_\_\_\_\_

\_\_\_\_\_  
Name (printed)

Date \_\_\_\_\_

Witness Signature: \_\_\_\_\_

\_\_\_\_\_  
Witness Name (printed)

Date \_\_\_\_\_