

# Platelet-Rich Plasma



Dr. Radeka is happy to offer to her patients a revolutionary new way to reverse the effects of aging and bring natural beauty back to the face using your body's own platelet-rich plasma to turn back the hands of time.

What is Platelet-Rich Plasma?

That's a great question. Platelet-Rich Plasma (PRP as we like to call it) is a concentrate of platelet-rich plasma protein derived from whole blood, centrifuged to remove red blood cells. It has a greater concentration of growth factors than whole blood, and has been used to encourage a brisk healing response across several specialties, in particular dentistry, orthopedics and dermatology. PRP contains several different growth factors and other cytokines that can stimulate healing of soft tissue and joints. Main indication in sports medicine and orthopedics are acute muscle strains, tendinopathy and muscle-fascial injuries and osteoarthritis. Main indications in dermatology for PRP are androgenic alopecia, wound healing, and skin rejuvenation. For preparation of PRP, various protocols are used, with an underlying principle of concentrating platelets to 3–5 times physiological levels, then injecting this concentrate in the tissue where healing is desired.

After evaluating the individual concerns of each patient, Dr. Radeka will map out a treatment plan that incorporates platelet-rich plasma (PRP). After a blood draw, which is approximately 4-8 tablespoons depending on the amount of PRP needed, the blood is spun in a special FDA approved centrifuge so that the platelet-rich plasma is spun out of the whole blood. This PRP is then used either topically or via injections into the dermis. Micro-needling can be used in combination with PRP as well. The discarded Platelet-Poor Plasma (PPP) can also be used as a mask for healing as well as turned into a gel and used as a filler. There is no chance of rejection or occluding an artery using the PPP since it is your own blood. You can, of course use other types of fillers as well during your PRP session. By using PRP you will notice a difference in your skin before you leave the office. The PRP promotes the growth of new fat cells and connective tissue (to restore collagen and elastin) and blood vessels (to restore color) on the face. And it lasts one to two years.

To see if PRP is right for you, please call Dr. Radeka to schedule a complimentary consultation.