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Contemporary Dentistry and Implantology

PLATELET RICH PLASMA

We are proud to announce that we are now one of the few general practice offices in the Northeast to be able to provide the benefits of Platelet Rich Plasma, utilizing Harvest Technologies "Smart Prep", to our surgical patients.

Platelet Rich Plasma is blood product loaded with growth and healing factors, derived from a patient's own blood so there is no fear of contamination. Your blood contains three cellular types, red cells, white cells, and platelets. The platelets are responsible for blood clotting and wound healing. Platelets also contain growth and healing factors that can vastly improve the rate of healing and decrease the amount of post-surgical swelling, bleeding, and discomfort.

The use of Platelet Rich Plasma can increase the amounts of the platelet-derived growth factors listed below by four to six times.

Platelet-Derived Growth Factor (PDGF)
Platelet-Derived Angiogenesis Factor (PDAF)
Transforming Growth Factor-beta (TGF-B)
Insulin-like Growth Factor (IGF)
Platelet-Derived Endothelial Cell Growth Factor (PD-ECGF)

These growth factors are particularly attractive for those patients who are undergoing bone or soft tissue grafting, multiple extractions (especially in areas of poor bone quality), or implant placement. Studies have consistently shown a better quality of bone or soft tissue graft adaptation, greater ridge density, and greatly improved integration of bone and implant.

If you should decide to take advantage of this new surgical advancement, a small amount of blood will be drawn from your arm approximately one half-hour prior to your surgery. This blood will be prepared utilizing our Harvest Technologies "Smart Prep" system and your Platelet Rich Plasma will be applied to the surgical site during and after the procedure. This application should greatly increase the rate and the quality of healing while decreasing swelling, bleeding, and discomfort.