

# **REGENERATIVE INJECTION THERAPY**

with

Growth Factors in Platelet Rich Plasma

An alternative approach to healing tendon and ligament injuries

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Platelet Rich Plasma, or PRP, is blood plasma with concentrated platelets. The concentrated platelets found in PRP contain huge reservoirs of bioactive proteins, including growth factors that are vital in initiating and accelerating tissue repair and regeneration. These bioactive proteins initiate connective tissue healing: bone, tendon and ligament regeneration and repair, promote development of new blood vessels, and stimulate the wound healing process.

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## **How does PRP work?**

To prepare PRP, a small amount of blood is taken from the patient. The blood is then placed in a centrifuge. The centrifuge spins and automatically produces the PRP. The entire process takes less than 15 minutes and increases the concentration of platelets and growth factors up to 500%.

When PRP is injected into the damaged area it stimulates the tendon or ligament, causing mild inflammation that triggers the healing cascade. As a result new collagen begins to develop. As this collagen matures it begins to shrink causing the tightening and strengthening of the tendons or ligaments of the damaged area.

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## **What are the potential benefits?**

Patients can see a significant improvement in symptoms. This may eliminate the need for more aggressive treatments such as long term medication or surgery as well as a remarkable return of function.

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## **PRP Injection Application Sites**

Spine Middle & Lower Back Neck Shoulders Elbows Wrist & Hand Hip/Pelvis Knee  
Lower Leg Ankle & Foot Arthritic Joints

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