

Benefits of Platelet Gel Therapy

◇ Faster Recovery

Platelets contain growth factors that promote wound healing. The number of platelets in Platelet Gel Therapy may be 5 to 10 times normal. These concentrated platelets aid in healing and decreasing pain and inflammation.

◇ More Successful Healing

Platelet Gel Therapy can be used to have a faster and more successful recovery following a surgical procedure; it can also be used for chronic non-healing wounds and can help prevent infections and amputations.

◇ Great for injuries & post-operative healing

Can be used to assist in healing post-operatively or to treat various musculoskeletal injuries and conditions such as lateral epicondylitis (tennis elbow) or patellar tendonitis (jumper's knee).

◇ Less Scarring

Some of the growth factors in platelets contain collagen and elastin, which are responsible for tensile strength and elasticity of your skin.

◇ Helps with Hair Loss

Can be effective treating conditions such as male pattern baldness, both in preventing hair loss and promoting new hair growth.



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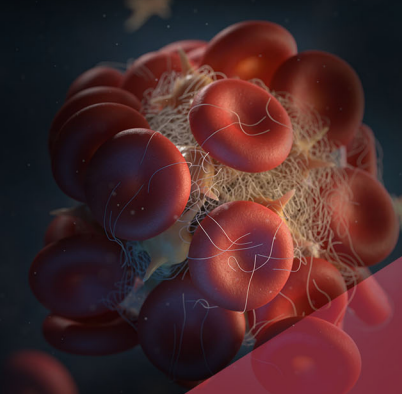
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The
Guide to a
Speedy
Recovery

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What is Platelet Gel Therapy?

Platelet Gel Therapy, also known as Platelet-Rich Plasma (PRP), Platelet-Rich Fibrin (PRF) Autologous Platelet Concentrate (APC), or GPS® Platelet Concentration, is an autologous (using your own blood) procedure that utilizes growth factors present in your own blood to help speed up the progression of your healing after a surgery or injury by providing a concentrated amount of these platelets containing growth factors to your injury or operative site to promote healing, and decrease inflammation and pain.

Autologous Platelet Gel has proven to be highly effective in healing wounds, including chronic non-healing wounds. The application is simple and takes a total time of 20 minutes. We begin by drawing 20-55 cc of blood, and then process it in our centrifuge machine to get the platelet concentrate (8-10 x baseline and 5 x WBC baseline) which is then sprayed onto the wound with a thrombin mixture that turns into a gelatinous substance (Biological Active Tissue Graft) and then is applied directly to your site of treatment.

Platelet Gel Therapy can be used in...

Spinal Fusion, Laminectomy, Other Spinal Procedures
Total Hip Replacements
Fistula Repairs
Elbow Replacement
Used as an injection to heal knee, elbow, and other injuries
Hair Loss Treatment
Tendon & Ligament Injuries
Corrective Eye Surgery
Hysterectomy Procedures
Myomectomies
Mastectomies
Nephrectomies
Tooth Extraction
Chronic Non-healing wounds
Facial Plastic & Reconstructive Surgery
Gastric Bypass Surgery
Knee Replacements
Achilles Repairs
Carpal Tunnel Surgery
Mandible & Maxilla (Jaw) surgeries
Laparoscopic Cholecystectomy (Gallbladder Removal)

And more - contact us to see how we can help you!

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About Platelet Gel Therapy

Platelet Gel dramatically decreases the chance of infection, swelling and bruising, thus increasing the rate of your healing process by as much as 80%. Many studies have been done that prove its effectiveness in healing and regeneration in various procedures. Platelets, while known for their clotting abilities, also contain growth factors that are responsible for stimulating tissue regeneration/healing in the affected area as well as cellular reproduction.

Platelet poor plasma (PPP) is also used in this procedure, and is placed superficial to the platelet rich plasma which secures the gel in place and establishes a fibrin-rich clot, which enhances rapid and natural healing. Studies have also been done that show growth factors present in PPP can also supplement existing cartilage in joints and can be used to effectively promote healing in injuries involving tendons, ligaments, and muscles. PPP contains elevated levels of fibrinogen, a glycoprotein in blood that transforms into a substance called fibrin. In a wound environment, fibrin forms a clot to enable attachment and healthy cell migration to the injured area, which further promotes fast and efficient healing.

Furthermore, a small study done by a prominent orthopaedic surgeon and Suncoast Perfusion on total knee replacements showed a marked improvement in patient outcome. The length of stay in the group using Platelet Gel was 1.2 days lower. The need for bank blood was 23% less in the Platelet Gel Group. There was less blood loss in the Platelet Gel group and the Hgb dropped more than half a percent less with the gel. Many larger studies have been done that reinforce the same findings in addition to showing a dramatic decrease in pain medication and an improvement of range of motion post-operatively in the platelet gel group.