Advanced Stem Cell Therapy for Chronic Pain

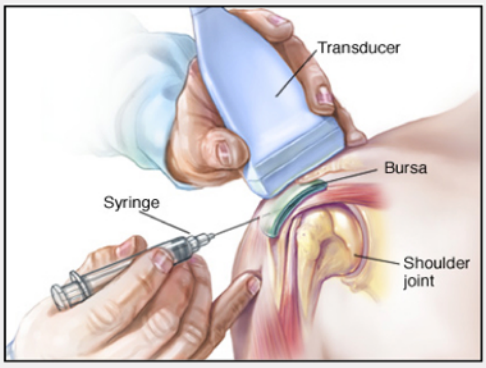
HOW DOES IT WORK?

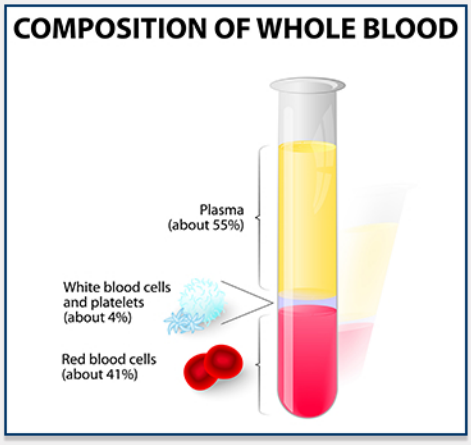
Regenerative medicine in orthopedics is a non-surgical treatment that activates your own blood platelets and/or adult stem cells to repair injuries, reduce inflammation and stop the pain.

Regenerative Treatments at TOCA (The Orthopedic Clinic Association)

What does the procedure entail?

Carefully guided ultrasound is used to find a sample of stem cells from the back of the hip, extract them and then concentrate the tissue in a special centrifuge. The sample is then injected at the site of an injured tendon, ligament, muscle, bone or joint, again using ultrasound to guide the procedure. A local anesthetic is used at the injection site. The treatment is similar to a steroid injection. All of this is done in one visit and takes about an hour



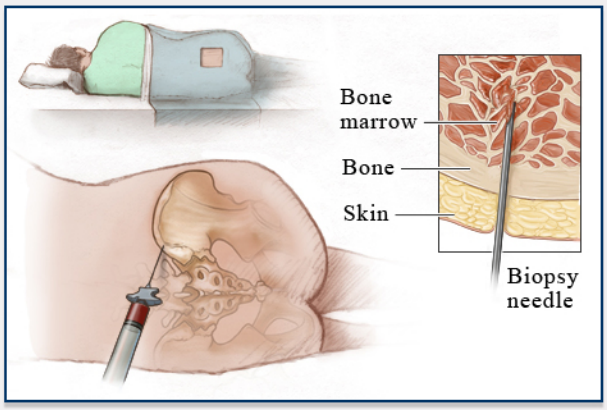


Platelet-Rich Plasma

Platelet-Rich Plasma (PRP) is a concentrated form of your own platelets obtained by processing your blood in a special centrifuge. When an injury occurs, platelets naturally begin the healing process in your body. The platelets release signaling proteins that attract your body's stem cells to the injured area. By injecting concentrated PRP into an area of concern, your body will recognize this site as a priority to heal it more quickly and thoroughly.

Bone Marrow Concentrate

Bone Marrow Concentrate (BMC) is a procedure in which the physician removes your body's own stem cells and concentrates them into a sample to inject into the injured area(s). The high concentration of stem cells works directly at the injury site to increase the healing potential.



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