

El Paso Orthopedic and Spine Institute

Platelet-Rich-Plasma Stem Cell Injections

Platelet-Rich-Plasma (PRP) is a natural biological concentration, from your own blood, of growth factors and stem cells which have been used since 1950 to treat various musculoskeletal injuries and conditions.

In our clinic, a sample of your blood is drawn and spun in a centrifuge. The stem cell layer is isolated and injected into the injured joint, tendon, or muscle.

This layer has a high concentration of Platelet-derived growth factor (PDGF), Vascular Endothelial Growth Factor (VEGF), and Basic Fibroblast Growth Factor (BFGF). In addition, its injection can systemically increase other healing factors like Insulin-Like Growth Factor-1 (ILGF).

Scientific studies have demonstrated PRP efficacy in the treatment of bone and fracture healing, tendonitis, arthritis, augmentation in healing of soft tissues during surgery.

In hand surgery, PRP has shown to be effective in the treatment of:

1. Mild-moderate thumb arthritis. For severe arthritis, PRP injections were not shown to be better than a steroid injection. Most often injections were given weekly for 3 weeks.
2. Wrist tendonitis. Injections can be given one time, or a series of two.
3. Scaphoid healing.
4. Pain after distal radius fractures.
5. Tennis elbow and elbow tendonitis.
6. Kienbock disease and avascular necrosis
7. Flexor tendon repair

The board certified orthopedic surgeons at EPOSI are able to do these injections for patients in the clinic – ask us for more information.

Call 915-910-1351 or schedule online at www.EPOrthoSpine.com