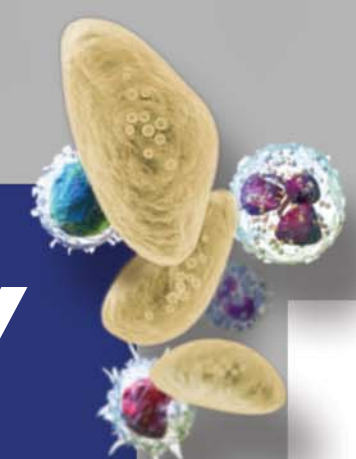


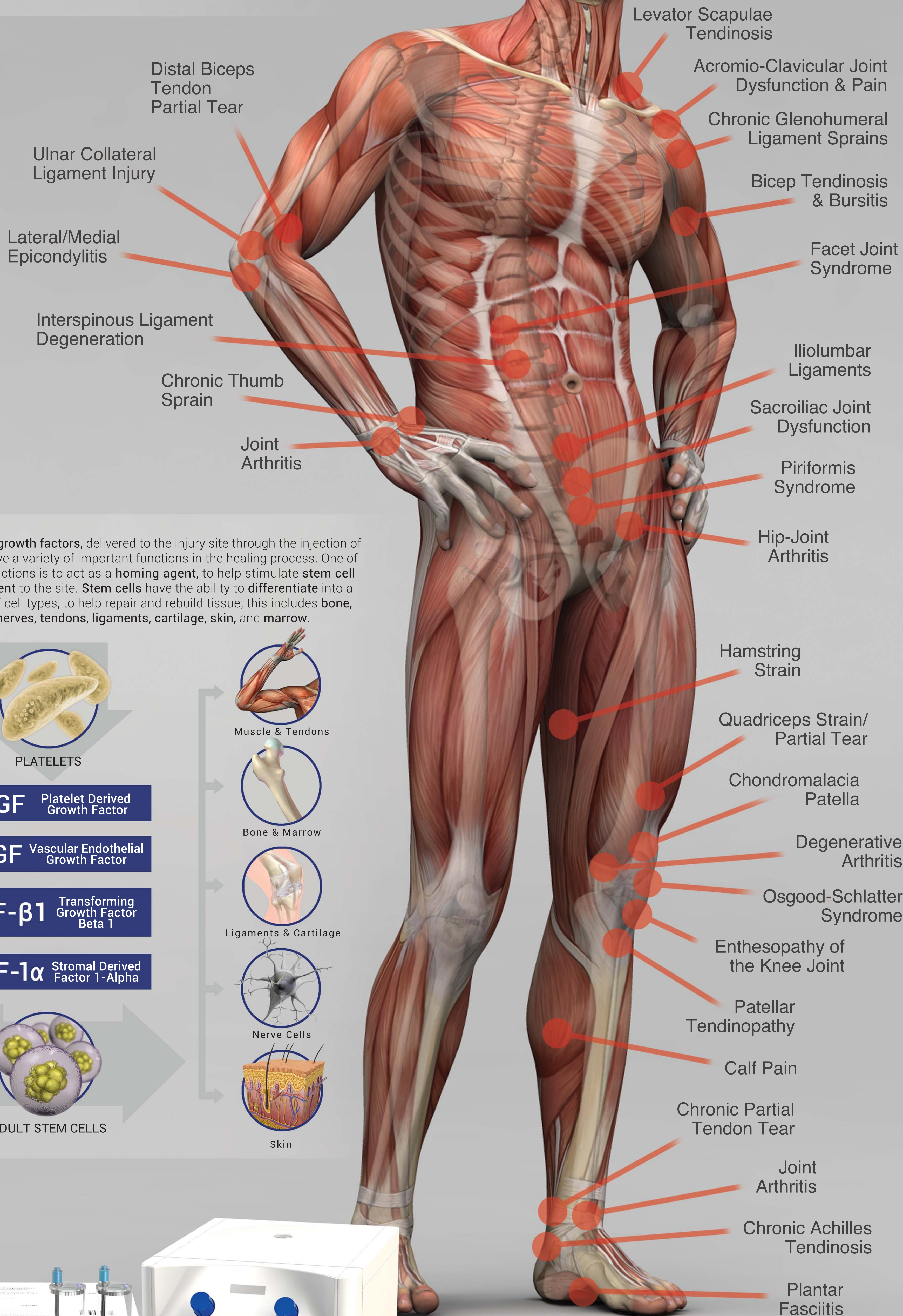


# ORTHOBIOLOGIC THERAPY

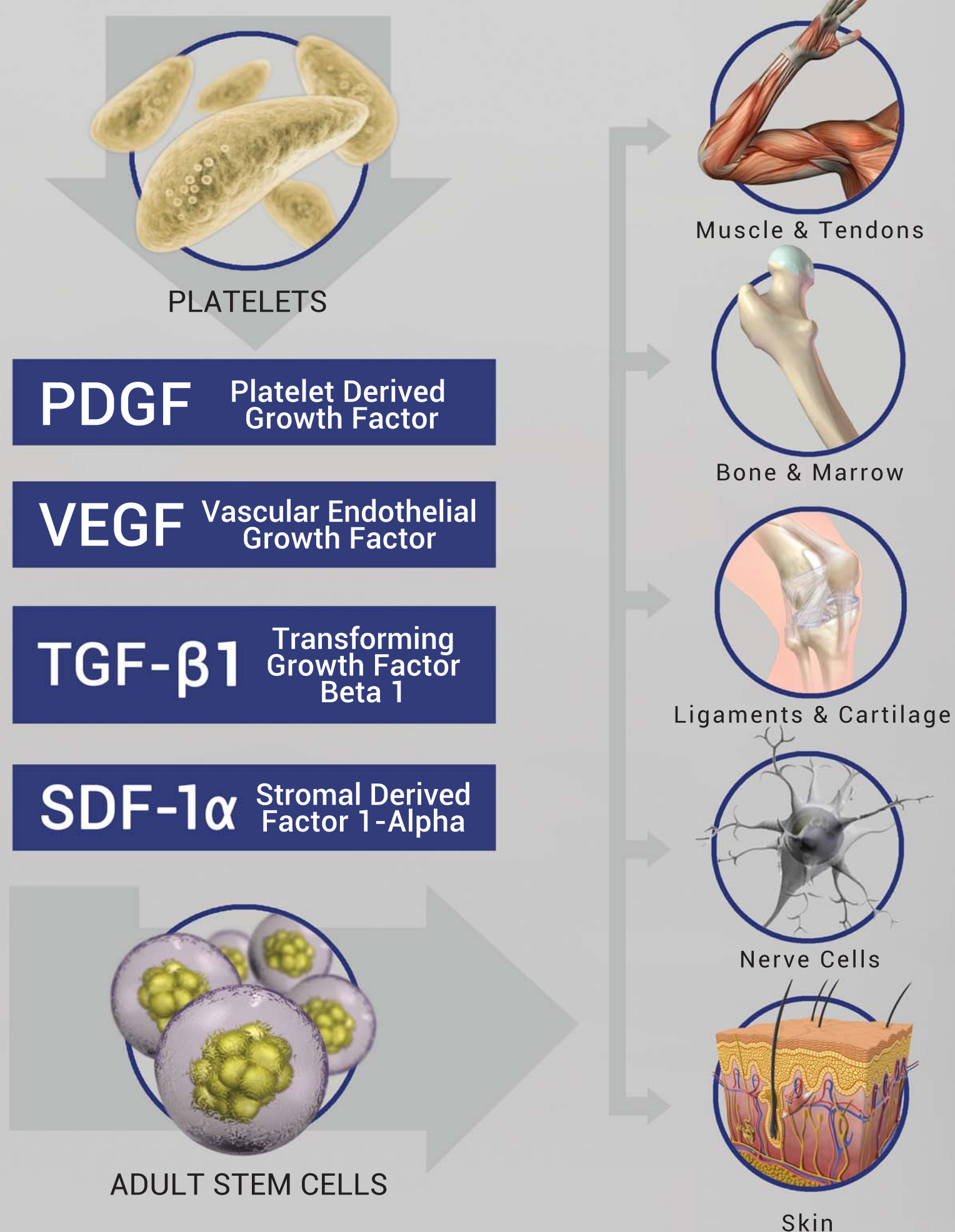


## PRP Platelet Rich Plasma

**Orthobiologic Therapy** is an innovative & highly effective treatment modality involving the utilization of **Platelet Rich Plasma (PRP)** in the treatment of a multitude of acute & chronic conditions. **PRP** is obtained in a near painless manner by simply drawing a small amount of the patient's blood with a syringe. The blood is then spun at high speeds in a centrifuge to separate & extract the *most important healing components* found in the blood. **Platelet Rich Plasma (PRP)** provides a highly concentrated, and complex mixture of **white blood cells & platelets** derived from the patient's own blood. These naturally occurring components have the ability to mediate healing by supplying **growth factors, cytokines & chemokines**.



Multiple **growth factors**, delivered to the injury site through the injection of **PRP**, serve a variety of important functions in the healing process. One of these functions is to act as a **homing agent**, to help stimulate **stem cell recruitment** to the site. **Stem cells** have the ability to **differentiate** into a variety of cell types, to help repair and rebuild tissue; this includes **bone, muscle, nerves, tendons, ligaments, cartilage, skin, and marrow**.



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