

# Regenerative Medicine Therapy

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Not all regenerative medicine therapies are the same. It is important to determine which injectable treatment option is best for you. By providing cellular and a-cellular options, we can evaluate which regenerative treatment option best meets your individual needs for optimal healing.

## **Cord Blood**

Blood collected from the umbilical cords of healthy newborn babies in a live C-section birth, can in turn be used to help regenerate and restore health to persons with back and neck conditions, joint and cartilage injuries and has even been used to treat immune system disorders and blood diseases. Cord blood contains a mixed population of cells that have the capacity to self-renew, release growth factors and further develop into specialized cells.

## **Wharton's Jelly**

Human tissue collected from the umbilical cord of live C-section birth. The umbilical cord, referred to as the cord of life, is a structural tissue that consists of proteins and components such as collagen and hyaluronic acid, which work together to lubricate and cushion injection site. This also consists of MSC's found in cord blood that allows the site to regenerate and proliferate to allow healing process.

## **SteriFlow**

This is a terminally sterilized amniotic fluid captured at the time of birth. It is a regenerative medicine option that cushions and lubricates injection site while also containing growth factors to allow your body to self heal. Although these cells are non living, this is an a-cellular option of regenerative medicine that directs the body to the source in need of regeneration.

## **Platelet Rich Plasma (PRP)**

In recent years, athletes have turned to PRP therapy to treat their damaged tendons and muscle sprains. Today, doctors are using PRP to treat chronic pain, arthritis, joint pain, back injuries and much more. The use of concentrated growth factors is considered by many to be an exciting new cutting edge therapy that can stimulate tissue repair, and regenerate weakened, torn or damaged ligaments and joints. Platelet Rich Plasma (PRP) is a concentration of platelets and growth factors created from a small amount of blood or bone marrow extracted from a person's body.

How Does It Work? A small amount of blood or bone marrow is taken from a person. That sample is then put into the Angel PRP System, which spins the blood, separating the plasma from the blood, in small concentrations; the process takes about 30 minutes. Once the plasma on its own, it's injected directly back into the patient, allowing the body to heal itself with its own stem cells and blood platelets.