



Frequently Asked Questions

What are Stem Cells?

Stem Cells are unspecialized or undifferentiated cells capable of two processes: self renewal and differentiation. Our extensive research involves adult stem cells established from the patient's body. These types of cells are multipotent, mesenchymal stem cells. We generally use bone marrow derived cells or placental derived cells because our data suggests they are known to repair and replace degenerative areas in between discs and damaged joints and provide the opportunity for natural healing.

What is Regenerative Medicine?

Regenerative Medicine is a new and advancing scientific field focused on the repair and rejuvenation of damaged tissue utilizing stem cells.

What is the difference between Adult Stem Cell and Embryonic Stem Cells?

Adult stem cells are found in mature adult tissues (bone marrow, adipose, or fat), while embryonic stem cells are obtained from donated in vitro fertilization and not found within the adult human body. The Orthopedic Stem Cell Institute does not use embryonic stem cells for any of our procedures. We are among the first to collect our own data and apply these revolutionary techniques using Mesenchymal stem cells.

How do we obtain stem cells and are there any ethical issues with this process?

PSCI extracts adult stem cells from the patient. Based on our research, the highest level of nutrient adult stem cells is found in the bone marrow tissue within the iliac wing, also known as the hip bone. Since the cells are coming from the patient source, there are NOT ethical implications. We are treating individuals with cells derived from their own bodies for the best possible natural healing experience.

What happens during a procedure?

During a simple procedure, bone marrow cells are taken from the patient's hip, concentrated while spinning in a centrifuge, and delivered back to the patient dispersed to the area of injury. The entire procedure takes less than 60 minutes. The patient is awake the entire time, under light sedation, and experiences no pain from the process.

How do these stem cells know what to do?

Stem cells follow a process of cell-signaling. Certain healthy cells become indicators for the newly injected cells. Once the new stem cells understand their purpose, they immediately go to work with their new job functions to repair and replace. For example, multipotent stem cells delivered to damaged bone will develop into bone cells to aid in tissue repair. Cells delivered into a joint or disc will develop into cartilage cells. Our bodies desperately want to self heal and this process is the ultimate in natural healing.

What conditions would exclude me from being able to undergo orthopedic stem cell therapy?

For spine patients, if you have moderate to severe stenosis or spondylolisthesis or other spine instability, you would not be a good candidate for stem cell therapy at that level or disc. The discs above or below may be a candidate for stem cell therapy. For other orthopedic patients, a fracture or acute trauma (such as a complete ACL or meniscus tear) would exclude you. Even if stem cells won't help you, we can evaluate your condition and provide you with alternatives. Please contact us if you'd like to schedule an appointment.

Who does my procedure?

Premier Regenerative Stem Cell and Wellness Centers is comprised of a highly efficient and experienced team of doctors who are passionate about their procedures. All of our patient care is provided by the most knowledgeable physicians who have facilitated extensive research and stem cell procedures for several years. They are widely known as the pioneers of Orthopedic Stem Cell research.

What is the risk of rejection from the cells?

There is NO risk of rejection. The extracted cells belong to the recipient's body. This eliminates any risk of rejection.

Are there cancer-causing risks associated with adult stem cell treatments?

Absolutely not! Embryonic stem cells have been shown to form teratomas (germ cell tumors). However, there is no data that suggests adult stem cells have the same potential to promote the development of tumors.

Will my insurance cover this procedure?

At this time, regenerative medicine is not covered under any insurance plans. We do offer payment solutions to assist our patients with the cost of this groundbreaking therapy.

What is the cost of a treatment?

Treatments vary based on the level of need. During an initial consultation, our stem cell counselor will outline our costs and options for your injuries.

Who is a candidate?

We have several ways to determine candidacy. Contact us today to determine the parameters of an ideal candidate.

To speak with a Premier Regenerative Stem Cell and Wellness Centers representative, please call 970-613-2030 today!