



ORTHOPEDIC
SPECIALISTS

STEM CELLS

FOR THE TREATMENT OF PAIN

DISCOVERING A NEW PATH
TO WELLNESS



A LETTER TO OUR PATIENTS

Dear Patient,

As your healthcare provider, it is our medical obligation to provide you with all the current treatment options available. Over the past decade, the medical field has benefited from stem cell research. These scientific findings have given way to the new, exciting field of regenerative medicine. This field focuses on the use of adult stem cells to aid in the repair of damaged tissue, such as bone, tendons and ligaments.

We believe the use of your own autologous, adult stem cells is a safe and effective treatment option. Adult stem cells offer not only an effective treatment for damaged tissue, but also can be used to prevent further tissue degeneration.

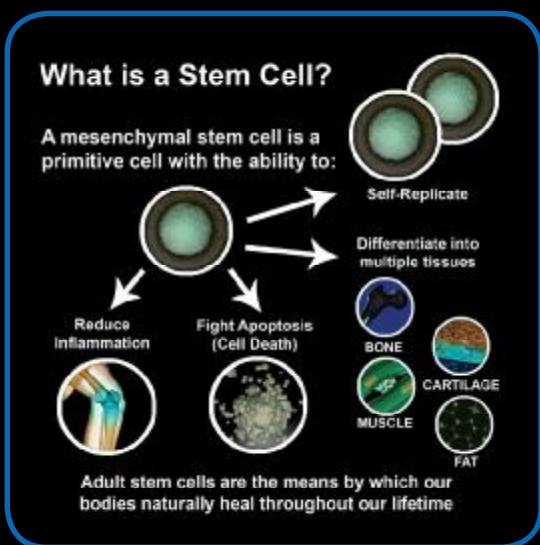
This brochure includes valuable information about adult stem cells. Please take the time to learn more about adult stem cells and the potential impact they offer your health.

Sincerely,

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REGENERATIVE MEDICINE

Through regenerative medicine, a person can take advantage of their body's ability to heal itself by using the healthy adult stem cells that can be found throughout the body. Laboratory and clinical research has shown that it is possible to use adult stem cells to restore lost, damaged or aging cells and effectively regenerate tissue in the body. Regenerative therapies are showing promise in the treatment of pain.



Adult stem cells were discovered over 40 years ago when researchers found that cells derived from bone marrow had the ability to form various tissues. Adult stem cells are early stage cells and under the right conditions, are capable of developing into other types of cells with the potential to regenerate damaged tissue.

Adult stem cells are being used to treat many types of chronic pain and degeneration. Currently, doctors are treating shoulder, knee, hip, and spine degeneration, in addition to soft tissue (muscle, tendon, ligament) and other bone related injuries.

FREQUENTLY ASKED QUESTIONS

WHERE DO ADULT STEM CELLS COME FROM?

In adults, stem cells are present within a variety of tissues and organs. The most common and richest source comes from your bone marrow, and your hip bone is one of the best and most convenient locations to withdraw bone marrow.

HOW ARE ADULT STEM CELLS OBTAINED AND PREPARED?

During your adult stem cell therapy procedure, the doctor will use a needle to withdraw bone marrow from your posterior Iliac crest (lower back area). A trained nurse or technician then uses specifically designed equipment to concentrate the adult stem cells and growth factors in the bone marrow and provides the cells back to the physician for implantation into the targeted area.

WILL MY BODY REJECT THE ADULT STEM CELLS?

No, since they are cells collected from your own tissue, there is little threat of rejection.

IS THIS THERAPY CLEARED BY THE FDA?

Doctors draw bone marrow from your hip and then concentrate it using an FDA-cleared device. Unlike procedures which process fat with enzymes or use living foreign cells like amniotic products, bone marrow concentration is carried out using your own cells with minimal manipulation, which meets the FDA's definition of the practice of medicine.

POTENTIAL APPLICATIONS

There are many potential applications where stem cell treatments can be very effective. The following are the most common:

SPINE

- Discogenic back pain
- Facet arthritis
- Degenerative disc disease (DDD)

SHOULDER

- Partial rotator cuff tears
- Labral tears
- Mild to moderate osteoarthritis

HIP

- Osteoarthritis
- Labral tears
- Articular cartilage injuries
- Congenital deformities

KNEE

- Osteoarthritis
- Partial ligament tears (ACL and PCL)
- Partial meniscal tears
- Augmented ACL or PCL reconstruction

FOOT AND ANKLE

- Mild to moderate osteoarthritis
- Tendon inflammation
- Partial Achilles tendon tear



REIMBURSEMENT & INSURANCE

WILL MY INSURANCE COVER THIS PROCEDURE?

While adult stem cells have been used for decades to treat a variety of diseases, their application in the treatment of pain is relatively new. Because of this, insurance companies do not currently cover the therapy.

HOW MUCH DOES IT COST?

The cost of a stem cell treatment varies based on the procedure performed.

**ASK YOUR DOCTOR TODAY IF
STEM CELL THERAPY
IS RIGHT FOR YOU!**



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