



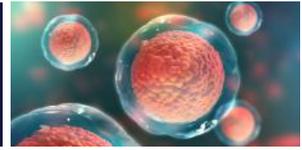
“THE FUTURE OF REGENERATIVE MEDICINE”

NuLife Institute Stem Cell FAQ Guide

NU LIFE
INSTITUTE

*“Whether you’re 30 or 80, our
revolutionary Stem Cell Therapy will
get you fully back in the game.”*





ADVANCED REGENERATIVE MEDICINE

Is chronic joint pain or range of motion holding you back from playing sports, working out in the gym or stop- ping you from living life to its fullest? Would you like to eliminate the need for painful surgery, nonstop cortisone injections, endless chiropractic visits and get off pain meds completely?

As a field leader and pioneer in Regenerative Medicine, NuLife Institute offers cutting edge medical treatments like stem cell therapy to achieve life-altering breakthroughs in as little as one quick outpatient treatment.

Our team of expert physicians can rejuvenate and repair most any type of joint injury in areas like knees, shoulders, elbows and wrists. Whether you suffer from muscle tears, pulls or loss of cartilage, the growth factors contained in our medical grade umbilical cord stem cells have the power to repair and heal your body naturally without the need for surgery.

PUSHING SCIENCE FORWARD TO IMPROVE LIVES

Great scientific minds have continued to probe for new possibilities and recent advancements in science have facilitated the continued success in the areas of Regenerative Medicine and Tissue Engineering.

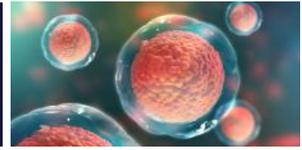
Stem cell therapy fuels healing your body from within by stimulating itself to repair inflammation, trauma and orthopedic injuries... all without surgery.

Our Regenerative Medicine and Cell-based therapies are already improving the lives of countless NuLife Institute patients suffering from a range of age-related injuries or deterioration. The rapid expansion of science in this area offers continuing advances in this field of medicine keeps NuLife Institute at the forefront of this movement delivering only the best treatments and results for our patients.

The goal of Regenerative and Anti-Aging Medicine, and NuLife Institute, is to optimize longevity and enhance every patient's quality of life.

THOUSANDS OF PEOPLE HAVE EXPERIENCED POSITIVE OUTCOMES FOLLOWING A STEM CELL TREATMENT

Schedule a **FREE** consultation with a physician to see if Stem Cell Therapy is right for you. Just call (305) 400-0005 or e-mail: info@nulifeinstitute.com



STEM CELL FAQ

WHAT IS REGENERATIVE MEDICINE?

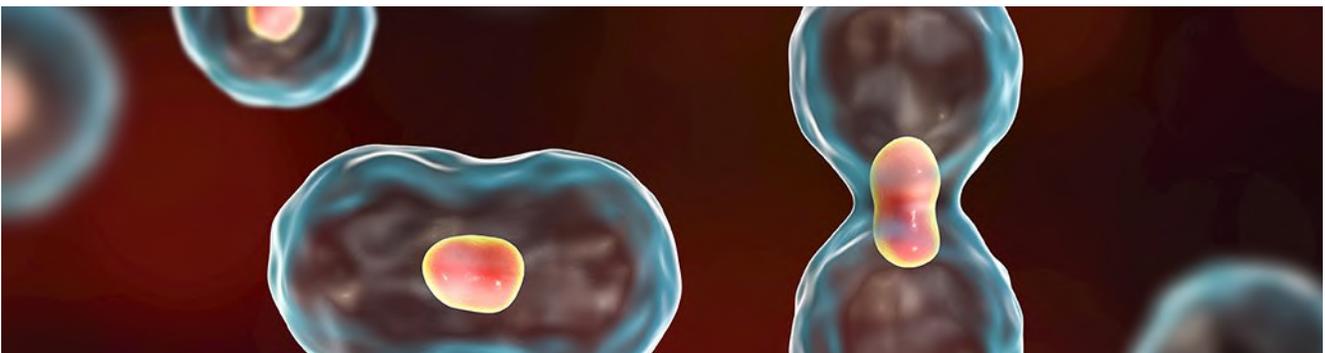
Regenerative medicine is the exciting cutting-edge “medicine of the future.” It is the process of renewing or engineering human cells, tissues, organs and proteins for the purpose of restoring healthy function. One of the key components of regenerative medicine is the use of cell replacement and specifically, stem cells.

WHAT ARE STEM CELLS?

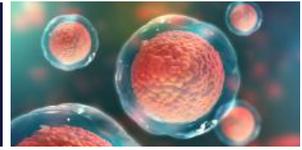
Stem cells have the capacity to change into any healthy cell in the human body. Located in almost every organ and tissue, stem cells are capable of transforming into skin, bone, heart and muscle cells, among others. When a disease or injury strikes, stem cells respond to specific signals and set about to facilitate the healing process by differentiating into specialized cells required for the body’s repair. They release healing growth factors in response to a distress cell signal in an injured or pathologic area of the body. However, like any other cells, stem cells age. NuLife Institute uses umbilical cord stem cells, to ensure that the cells are as young and healthy as possible. With fast treatment and incredible results, stem cell therapy is the future of regenerative medicine.

HOW DO I KNOW IF I AM A CANDIDATE?

We will schedule you for an evaluation and consultation with one of our expert stem cell physicians who will review any medical records and radiologic studies to determine if you are a candidate. We will also determine the likelihood of success for your case.



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WHAT ARE POTENTIAL USES OF STEM CELLS?

Stem cell therapy has been used for decades to treat blood-related diseases through bone marrow transplants. In recent years, stem cells have been increasingly used more widely to treat a variety of diseases and conditions including diabetes, rheumatoid arthritis, Parkinson's disease, ALS, wound healing, heart disease, autoimmune disorders, and the list of possibilities is growing at an amazing rate.

DOES MY INSURANCE COVER STEM CELL THERAPY?

Unfortunately, no insurances cover stem cell therapy currently. We accept many different payment methods.

HOW MUCH DOES IT COST?

Your health profile is unique and because our programs are designed to meet your specific needs, the exact costs will be based on your condition. The cost is determined by the number of stem cells deployed.

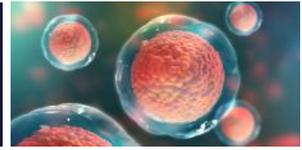
WILL I NEED PHYSICAL REHABILITATION?

Mobility is a very important part of your recovery and we typically recommend you receive some help from a provider that specializes in physical rehabilitation.

WILL I HAVE TO MISS WORK OR ACTIVITIES?

Most patients experience no downtime whatsoever; however, if your work requires you to do activities that are damaging or traumatic to the tissue that was treated, you may need to refrain from those activities. If you are participating in a sport or activity that is damaging to the tissue being treated, we will likely ask you to refrain for a period of 4-6 weeks. For example, if you are a tennis player and we treat your knee, you would need to refrain from playing tennis for 4-6 weeks.

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DO YOU USE MY OWN STEM CELLS?

No. NuLife Institute only utilizes human umbilical cord stem cells, which is the most advanced stem cell product available. Published research reveals stem cells from the umbilical cord replicate faster and replicate for many more generations than other types of stem cells. Umbilical cord stem cells also have a higher level of pluripotency than mature adult stem cells helping the body regenerate lost tissue.

HOW OFTEN WILL I NEED TREATMENT?

This depends on the area and condition being treated. For many degenerative joint conditions and soft tissue tears, we anticipate needing to treat just once in a patient's lifetime if no new injury traumatizes the joint following treatment.

HOW ARE THE CELLS PROCESSED AND ARE THEY SAFE?

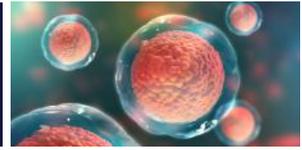
Our mesenchymal stem cells (MSCs) are sourced from donated umbilical cord, which comes from safe hospital sources. Our product is screened through regulated, independent testing to meet the industry's highest standards. Consistent concentrations make these cells easy to use in precise, individual applications. Each donor is carefully screened for pathogens in order to assure the product is safe. In addition, there is presently no documentation of umbilical cord cells causing a malignancy or transforming into a malignant state following their use as a therapy. Our lab is compliant with the FDA's Current Good Manufacturing Practice (cGMP) standards. Learn more about why our stem cells are different.

DO YOU EVER USE AN ABORTED FETUS?

NO. We only use the umbilical cord from a live, healthy baby.

SEE WHAT NATIONAL INSTITUTE OF HEALTH IS SAYING

“ *Regenerative medicine is the process of creating living, functional tissues to repair or replace tissue of organ function lost due to age, disease, damage, or congenital defects. This field holds the promise of regenerating damaged tissues and organs in the body by stimulating previously irreparable organs to heal themselves.”*



CAN YOU SPREAD CONTENTS OF THE VIAL ON THE SAME PATIENT FOR MORE THAN ONE AREA OF THE BODY?

Yes. You may split the contents of a vial on the same patient. For example, the doctor may order the 30 million concentration vial and they may split the vial and inject the equally divided contents into 2 or 3 joints for the desired minimum of 7 to 10 million cells per medium to large sized joint.

WHAT HAPPENS WHEN YOU RECEIVE THE CELLS?

The cells arrive with the dry ice and is maintained -125 C for at least 48 hours; once patient arrives physicians will prepare the patient and cells for treatment.

HOW DO YOU RECEIVE THE CELLS FROM THE LAB?

The cells are Medically shipped and delivered to NuLife Institute from the lab on dry Ice (-125 C) in a special medical container. The package arrives in less than 24 hours and then is prepare for treatment.

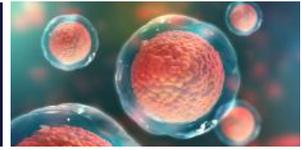
IS THERE AN AGE LIMIT FOR PATIENTS?

No, there is not an age limit. Patients of all ages can potentially benefit from stem cell treatments.

CAN YOU SPLIT THE CONTENTS OF THE VIAL ON DIFFERENT PATIENTS?

No. You may NOT split the contents of the vial and use on 2 different patients. For regulatory and tracking purposes, the vials are SINGLE USE and can only be used on a SINGLE PATIENT.

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WHAT IS THE DESIRED LEAD TIME TO SCHEDULE MY INJECTION FOLLOWING A CONSULTATION?

Once meeting with the physician, you may receive your injection that day or when it is most convenient for you in the future.

DO STEM CELLS DUPLICATE THEMSELVES IN THE BODY?

Yes. Stem cells have the ability duplicate themselves in the body. There is some debate on this topic and this debate is one that is very difficult to prove or disprove, but most medical doctors and scientists agree that this action must account for the tremendous regeneration that can follow an injection.

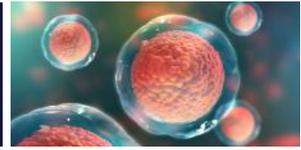
DO STEM CELLS CAUSE CANCER OR CAUSE CANCER TO GROW?

No. Many studies have been done to show the long-term safety of stem cells and they are conclusive showing not only do stem cells not proliferate or grow cancer, but stem cells are in fact classified as anti-tumorigenic. Multiple studies are being done around the world showing stem cells can actually fight cancer and stop the growth of cancer cells. This research is ongoing and the exact effects of stem cells for the treatment of cancer is, yet, unknown.

IS DNA TESTING NECESSARY?

No. DNA testing is not necessary because the stem cells and mononucleated cells do NOT penetrate the nucleus of the recipients' cells and thus, do not pass on DNA. The ability of a stem cell to pass along DNA matter is a property of a stem cell when it is in the embryonic stage and this is no longer possible after the 10th week of gestation.

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DO ALLOGENEIC STEM CELLS DIFFERENTIATE/CHANGE INTO NEW TISSUE IN MY BODY?

It is widely believed stem cells differentiate/change into new tissue in your body. Stem cells also produce long-term effects by responding to signals from injured tissue. The stem cells work by inhibiting the inflammatory components that cause pain and damage to tissue and the mono-nucleated cells secrete growth factors, proteins, and cytokines that stimulate our own native tissue to repair and regenerate itself.

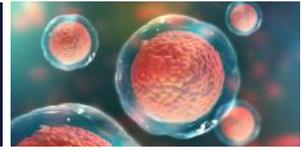
ARE UMBILICAL CORD STEM CELLS FROM ANOTHER PERSON SAFE TO PUT INTO MY BODY?

Yes. Allogeneic (taken from another person of the same species) cells are safe to put into your body. When the umbilical cord is processed, all the red blood cell components with the ability to cause a negative reaction are removed. Also, the umbilical cord cells are naïve/immature and do NOT react the way a mature adult cell would react.

ARE UMBILICAL CORD CELLS THE SAME AS AMNIOTIC FLUID?

No. Umbilical cells are LIVE NUCLEATED CELLS containing stem cells, which will continue to produce anti-inflammatory and immunomodulatory components optimizing the local cellular environment. They also contain mononucleated cells, which produce growth factors, proteins, and cytokines, which stimulate our own tissue to regenerate itself. Because the cells are LIVE, they can continue to exert the cellular function for weeks and even months in the body. Conversely, amniotic fluid/tissue must be processed in such a way that KILLS the live nucleated cells leaving a product which contains growth factors, proteins, and cytokines that will have an effect for several hours.

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ARE LIVE NUCLEATED CELLS IMPORTANT?

Yes. The presence of live nucleated cells means the anti-inflammatory and immunomodulatory components from the MSCs will continue to be produced for many weeks and months, optimizing the injured environment. At the same time, the growth factors, proteins, and cytokines produced by the mononucleated cells will stimulate our own endogenous tissue to repair and regenerate itself.

ARE THERE OTHER STEM CELL PRODUCTS THAT CONTAIN LIVE NUCLEATED CELLS?

Yes, bone marrow aspirate and adipose derived stem cells also contain live nucleated cells.

ARE ALL LIVE NUCLEATED CELLS CREATED EQUAL?

No. Live nucleated cells from umbilical cord blood are young, vibrant cells that have not been affected by age or disease. Whereas bone marrow aspirate and adipose derived stem cells are significantly older and potentially damaged by disease, a high number replication throughout a lifetime, toxins like sunlight, alcohol, medications and smoking.

HOW DO UMBILICAL CORD STEM CELLS ACTUALLY WORK?

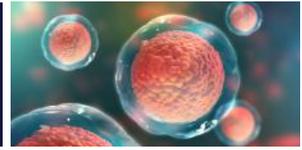
When umbilical cord cells are placed into an environment of injured tissue, the stem cells go to work inhibiting the damaging inflammatory components and modulating the immune system. At the same time, the mononucleated cells produce growth factors that nourish damaged cells back to health and stimulate our own cells to regenerate themselves.

SEE WHAT MAYO CLINIC IS SAYING



Regenerative medicine is a game-changing area of medicine with the potential to fully heal damaged tissues and organs, offering solutions and hope for people who have conditions that today are beyond repair... Advances in developmental and cell biology, immunology, and other fields have unlocked new opportunities to refine existing regenerative therapies and develop new ones."

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DOES CELL AGE MATTER?

Yes, age definitely matters. In Vitro research by the International Journal of Molecular Sciences has shown that while young, vibrant umbilical cord stem cells can duplicate themselves every 22-28 hours, for up to 65 generations or more, 50+ year old bone marrow aspirate and adipose derived stem cells duplicate at a much slower rate of 3 to 5 days for an average of only 11 to 13 generations. Also, of note is that older cells undergo senescence (aging) at a much faster rate than young, vibrant umbilical cord cells and older senescent cells produce less quantities and less.

ARE THERE SPECIFIC NUMBERS OF CELLS NECESSARY TO TREAT DIFFERENT PROBLEMS?

Exact numbers for peak efficacy is still not known for many conditions; however, worldwide research over almost 20 years has given us some effective parameters. Most research supports the notion that more cells are often better, and the body may utilize the extras in other ways that can be beneficial.

IS THERE A SPECIAL PROTOCOL/METHOD FOR INJECTING STEM CELLS INTO THE PATIENT?

YES. We inject the cells into the desired area the same way as any other injection. The major difference is in the preparation and experience, which allows us to inject precisely into the affected tissues. Research has shown cells begin to die within minutes of being thawed, so we are expeditious with the injection process.

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Why Deal With Pain?

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NuLife Institute

Leaders in Age Management

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Ten Park Museum

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info@nulifeinstitute.com



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