



STEM CELL INSTITUTE



Guide to Stem Cell Therapy

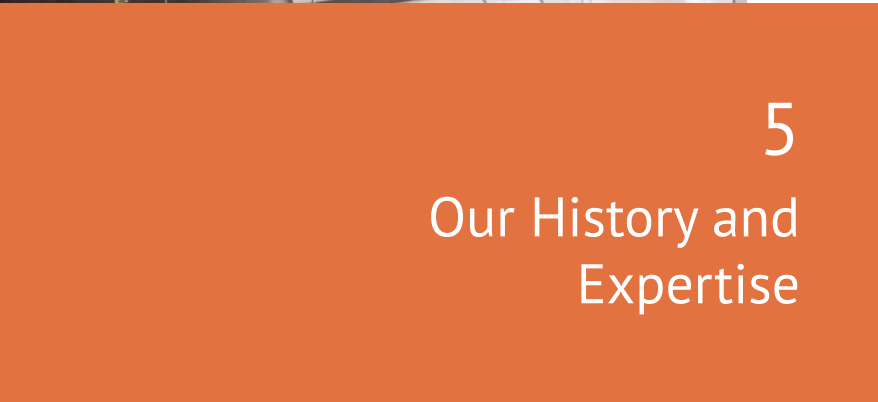
Treating chronic illness and injury with Golden Cells™

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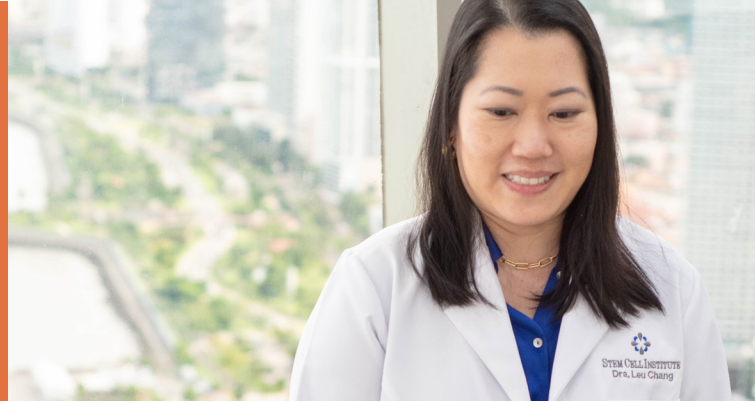
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About Us

Stem Cell Institute Panama

At Stem Cell Institute, we offer patients an opportunity for an independent and healthier life.

For over 21 years, Stem Cell Institute has been a **global leader** in stem cell research and treatment. Our established history, advanced science, and personalized treatments help provide you with the best opportunities for **optimal health**.

With a team of renowned experts and a **state-of-the-art facility** in Panama City, Panama, we offer the **highest quality stem cell therapy** for chronic conditions, injuries, and general wellness that has transformed the lives of thousands of patients worldwide.



Neil Riordan, PA, PhD
Founder, Stem Cell Institute Panama

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Our History and Expertise

The Stem Cell Institute team was assembled in 2005 to provide unbiased, scientifically-sound treatment options to patients with degenerative diseases. Our organization arose from the unmet need to provide stem cell therapies that have been shown by others to meet the bar of safety in Phase I trials, but are not yet widely available because efficacy has not been proven.

Our science originates from an American biotechnology company founded by Neil Riordan, PA, PhD, who together with leading Universities has published 70+ papers in peer reviewed medical journals and has 17 families of patent applications. You can find our treatment protocols, clinical observations, theories, and other peer-reviewed articles on our website.

[Explore Publications](#)



Our medicine is founded on clinical use of stem cells. Since opening our doors in 2006, we have performed over 55,000 procedures. In order to incorporate the most recent advancements into patient care, we routinely interact with colleagues in the USA and internationally, many of whom are using stem cells in clinical trials.

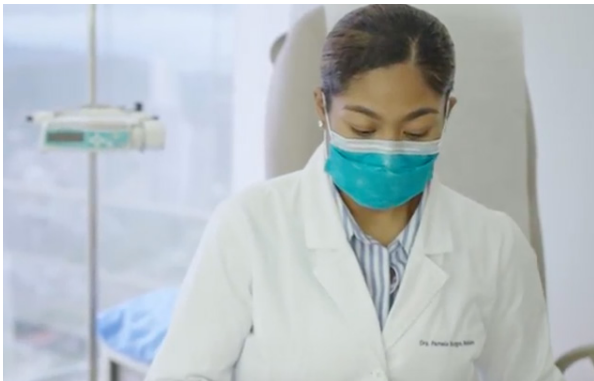
At the Stem Cell Institute, our mission is to be at the forefront of research with novel treatment protocols for chronic diseases using adult stem cells, always according to the highest international bioethics standards, and offering, with transparency, honesty and human quality, treatments developed to improve the condition of our patients.

Our Science and Golden Cells™

Stem Cells Like No Other: Golden Cells™

After two decades of research and years of treating thousands of patients, our team made our best discovery yet—Golden Cells™.

These specially selected human umbilical cord tissue-derived allogeneic mesenchymal stem cells (hUCT-MSCs) originate from six cell lines found during a retrospective analysis of our highly successful cases. They are now the foundation of our stem cell treatments to provide patients with the best opportunities for optimal outcomes.



Exclusive to Stem Cell Institute—Golden Cells™ are not available at any other stem cell clinic worldwide.

Where Do Our Cells Come From?

Golden Cells™ are derived from umbilical cord donations of healthy, full-term births. Collected in a sterile environment immediately after delivery, the cells are then meticulously processed at Dr. Neil Riordan's state-of-the-art stem cell lab, Medistem Panama.

Medistem Panama is an 11,000 sq. ft, ISO 9001 certified, and GMP-compliant research and production lab with over 75 employees, 15 of whom are specialists dedicated solely to quality control. It is licensed to collect, isolate, process, grow, and store a variety of stem cells, including our unique Golden Cells™.

About Mesenchymal Stem Cells (MSCs)

Mesenchymal stem cells (MSCs) work in four main ways.

They:

- Control inflammation
- Modulate the immune system
- Stimulate regeneration
- Reduce scarring

About Golden Cells™

Golden Cells™ are the exclusive mesenchymal stem cells (MSCs) used in all treatments at Stem Cell Institute Panama. Developed through years of research and a retrospective analysis of our highly successful cases, these cells are identified and selected using proprietary technology that evaluates their molecular signature to ensure only highly effective cells are chosen.

“This is the first time in history that anyone has been able to retrospectively analyze which MSCs have more benefit. I like to say that an MSC is not an MSC... Some perform better than others. That’s why we’ve been working to select the best cells for use in patients with chronic disease. Now we can retrospectively analyze existing data on outcomes. We are the only stem cell company with the data to do that.”

– Neil Riordan, PA, PhD, *Stem Cell Therapy: A Rising Tide: How Stem Cells Are Disrupting Medicine and Transforming Lives*

Among many other things, our Golden Cells™ are known to help:

- Reduce inflammation
- Modulate the immune system
- Secrete factors that may help various tissues throughout the body to regenerate

[Watch this video](#) to learn more about Golden Cells™ from our founder, Dr. Neil Riordan.

How are stem cells sourced for treatment?

The stem cells we use are specially-selected mesenchymal stem cells (MSCs) derived from umbilical cord donations of healthy, full-term births.

The process of collecting and preparing these cells is meticulous:

- Cord donations are sourced exclusively from healthy women after normal, c-section births in Panama who willingly participate in our donation program.
- We only accept donations from families who have undergone thorough medical screening to ensure the absence of infections and other risks. Our donors sign a consent form, fill out a detailed questionnaire, and give a blood sample. The mothers’ blood undergoes extensive testing for a variety of infectious diseases in accordance with international blood bank guidelines.
- Umbilical cords are collected in a sterile environment immediately after delivery, posing no risk to the mother or baby.
- Once collected, the cords are immediately transported to Medistem Panama, Dr. Riordan’s local state-of-the-art stem cell laboratory, where the cells are isolated, tested, and prepared for use.



What Can I Expect from Stem Cell Treatment?

Begin your journey to a healthier life through advanced stem cell therapy.

1. Apply Today

Our evaluation process is designed to determine if you are a candidate for stem cell treatment. You can apply for treatment through our convenient online application.

Upon review and approval, our doctors will craft your personalized treatment plan.



[Start Application](#)

How do I apply to become a patient?

To start your evaluation, please complete our online [Patient Application](#). If you have any other questions, please feel free to [contact us today!](#) Our team of International Patient Coordinators is here to help you with the application process and address any additional questions or concerns you may have. Once your application has been successfully screened, you may schedule a live virtual call (Zoom) with our International Medical Team to address questions and concerns.

How long will it take to get an appointment?

Once our medical team has received your medical application, it usually takes one or two working days (but no longer than five working days) to review it. If you are conditionally approved for treatment, we will contact you to discuss available treatment options and to request medical records.

Once fully approved, you may schedule your treatment. The further out you wish to schedule your appointments, the more likely it is that you can have your preferred dates. In most cases, if you request treatment dates several weeks in advance, we should be able to accommodate you.

If you are not approved for treatment based upon your medical history, you will be notified by email.

How much does this treatment cost?

Fees for services start at \$15,825 USD for children and \$26,900 for adults.

Cost depends on the recommended treatment protocol and will be given to you in writing upon approval. It includes the treatment itself plus a standard Hilton hotel room with breakfast, WIFI, transportation from and to the airport with VIP airport gate service, and expedited customs clearance upon arrival.

If you would like to get a ballpark idea about how much a particular treatment protocol might cost, please contact us. One of our patient coordinators will be happy to assist you.

2. Receive Treatment

Once you have submitted all requested medical information and received approval, our patient care team and concierge will help arrange your exceptional stay in Panama City, Panama and stem cell treatments with our proprietary Golden Cells™. Our treatment center is conveniently located in the same building as the Hilton Hotel, and your hotel stay is included in your treatment cost.

Upon arrival, our medical staff will conduct a physical evaluation and administer your stem cell treatment over the course of your stay.

How are the stem cells administered?

At Stem Cell Institute, our Golden Cells™ are administered in different ways depending on the patient's condition and specific needs. Typically, patients receive at least three rounds of stem cell treatments as part of their overall care plan. Methods of administration include: Intravenous (IV), intramuscular, intrathecal, perilymphatic, and intra-articular.





What is the treatment protocol for my condition and how long does it take?

Treatment protocols vary by disease. Each patient's physical condition and other medical factors also play roles. Most protocols last for 3–5 days and consist of 3–4 sessions.

Your recommended protocol may differ from the example given below:

- Treatment length: 4 treatment days / 5 hotel nights
- Physical examination and blood testing: Day 1
- 3 intravenous infusions of Golden Cells™: Days 2-4
- Intramuscular and Intra-articular injections (as needed)

3. Follow Up

After treatment, our team will follow up with you regularly to monitor your progress, answer questions, and provide support on your health journey.

How long will it take to see results?

Each patient is unique, and there is no guarantee that positive results will be seen or how quickly they may be observed. Some patients have reported improvements during the course of their treatment, while others have experienced improvements as long as 6 months after returning home. However, as with any drug or medical procedure, not all patients improve.

[Apply Today](#)





Traveling to Panama City, Panama

One of the biggest perks to traveling for stem cell treatment is the opportunity to experience a new place. Panama City, Panama, is a vibrant destination filled with something interesting for everyone.

Our state-of-the-art clinic and expert medical team provide multiple reasons why you should choose Panama for your stem cell treatments, including:

- Our VIP Patient Experience
- Convenient & Comfortable Stay at Hilton Panama
- Our Highly-Esteemed Clinic & Lab
- The Beauty & History of Panama City, Panama

When you step off your flight in Panama, a Customs Concierge will be waiting for you at your gate to personally escort you through customs. You can enjoy some nice refreshments in a VIP lounge while your luggage is processed. Then a member of our team will take you from the airport to the Hilton Panama where they will have everything set up for a quick and easy check-in process.

“From the front desk to the nurses, to the staff, to the doctors...everyone was full of empathy and care, which made me feel safe and secure.”

– Dash, Stem Cell Institute Patient

Our treatment center is conveniently located in the same building complex as the Hilton Panama. All you have to do is take an elevator ride to reach our stem cell clinic, check-in, and receive a unique treatment designed just for you and your health needs. With a rooftop pool, room service, concierge, fitness center, and more amenities, your stay at the Hilton contributes to the entire experience of feeling like a luxury vacation.

Rich with history, breathtaking nature, modern engineering and concepts, delicious food, gorgeous art, and a fascinating culture at the center of it all, the background of our clinic adds to your overall experience as a patient. Panama City is a modern city where you'll feel safe and enriched, possibly even discovering a new home away from home.

Conditions We Treat

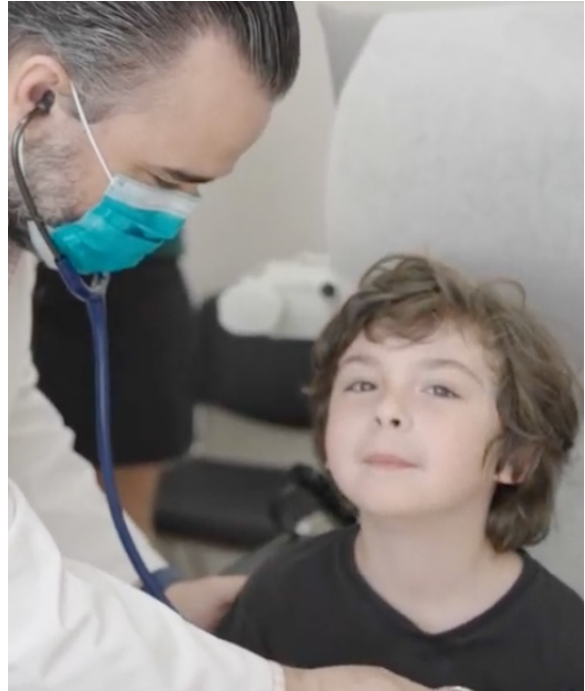
Over the past 21 years, we have successfully treated 15,000+ patients. Our main areas of focus include:

Autism

Children with autism often experience diminished oxygenation in the brain and chronic inflammation in the gut. One of the mechanisms by which stem cell treatments for autism may help alleviate symptoms is by decreasing systemic inflammation.

“To anybody considering doing stem cells, just do it. I’m so glad we did and I wish I’d done it sooner. Dylan is so creative and so happy. He’s such a happy boy now. I’m just so thankful that it’s changed my life.”

- Angie F., Mother of Dylan F., Stem Cell Institute Patient for Autism



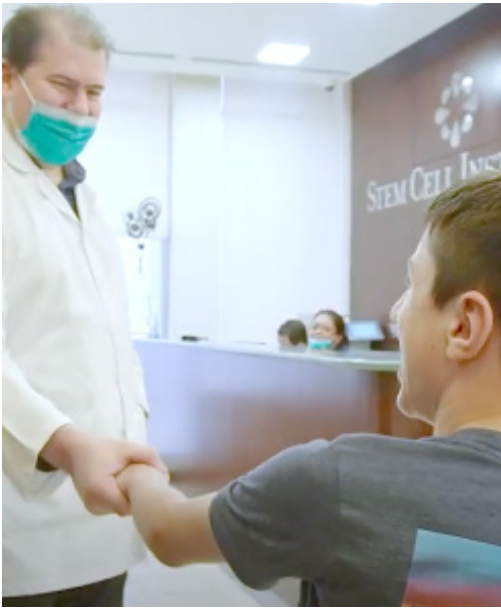
Autoimmune Diseases

Stem cell therapy provides hope for patients with autoimmune disorders such as Hashimoto’s disease, Crohn’s disease, and ulcerative colitis.



“You feel your body healing, and when you feel your body healing, you start to feel better emotionally. You start to see progress...you start getting out into a normal life again.”

- Corrie G., Stem Cell Institute Patient for Ulcerative Colitis



Cerebral Palsy

Golden Cells™ have the potential to stimulate repair of damaged nervous system tissue in the brain, which can lead to improvements in patients with cerebral palsy.

“They make us feel like home. It’s now like coming to see family. Owen walks in the door and everybody greets him with high-fives, hugs, kisses, and fist bumps. So it’s truly like coming home.”

- Randy S., Mother of Owen S., Stem Cell Institute Patient for Cerebral Palsy

Frailty of Aging and Wellness

Various studies have concluded that human umbilical cord tissue-derived mesenchymal stem cells (hUCT-MSCs), which are similar to the Golden Cells™ we use at Stem Cell Institute, can regulate the immune system, reduce systemic inflammation, and promote tissue growth. These properties make them a promising avenue for addressing complex health challenges and aging-related issues.

Our Frailty of Aging and Wellness protocols are targeted at patients who may benefit from one or more of these therapeutic effects. By harnessing the potential of stem cells, we aim to provide personalized treatment plans that address not only the symptoms but also their underlying causes.



“Quick stop at the state-of-the-art Stem Cell Institute in Panama City, Panama where I received the transformative benefits of stem cell therapy. I’ve shared before that stem cells worked wonders for my shoulder after struggling with excruciating pain. Stem cell treatment is a next-level medical solution with the potential to make a massive impact on human health and longevity. It truly has the potential to save MILLIONS of lives!”

- Tony Robbins, American author, coach, speaker, and philanthropist



"[He was] almost 100 years old and went from being in pretty bad shape to having a new lease on life" - Mel Gibson on his father, Stem Cell Institute Patient for Frailty of Aging

Other celebrities have visited Stem Cell Institute for the Frailty of Aging protocol, including Joe Rogan's mother, Mel Gibson, and Mel Gibson's father.

Watch Now

Heart Failure

Stem cells have the ability to not only home into the damaged areas, but also to initiate a cascade of biological events, both of which may culminate in healing of the heart muscle.

"After my heart attack, my heart was so low. It wasn't pumping blood very good. I was really limited to what I could do... stem cells really improved my lifestyle."

- Emmanuel P., Stem Cell Institute Patient for Heart Failure



Multiple Sclerosis

Golden Cells™ have the potential to inhibit the immune system from attacking the myelin sheath, which causes MS symptoms.



"If you want to try to put the odds in your favor to get improvement for your autoimmune condition...I think this is the best chance you have."

- Adam D., Stem Cell Institute Patient for MS



Osteoarthritis

Osteoarthritis is a degenerative disease that affects the body's joints, causing tenderness, pain, swelling, and stiffness. Stem cell therapy with Golden Cells™ has helped many of our patients relieve these symptoms.

“[After treatment] I didn't really have the aches and pains as I'd had before the treatment. My lifestyle was greatly helped by doing this.”

- James R., Stem Cell Institute Patient for Osteoarthritis

Rheumatoid Arthritis

Many rheumatoid arthritis patients have experienced improvements after receiving Golden Cells™ to reduce inflammation and pain.

“It far exceeded those expectations for me. I went periods of time with no pain. I hiked a high peak. And I'm thinking way back to 27 years ago when the doctor said, you know, you wouldn't be able to do anything remotely close to that. It was a big deal.”

- Stephanie M., Stem Cell Institute Patient for Rheumatoid Arthritis



Apply Today

Sports Injuries

Our treatments have the potential to speed up the healing process for sports injuries, helping athletes avoid or delay orthopedic surgery and get back in the game.

“Ever since I started my stem cell treatment in Panama at Stem Cell Institute, my body has recovered in a way that it has not recovered before. This has given me the confidence to go out and perform at the highest ability at the highest level in my sport.”

- George Kittle, Professional Football Player



Other professional athletes have come to Stem Cell Institute for Sports Injuries treatment, including Kittle's teammates and TJ Dillashaw, 2x UFC bantamweight champion.



Apply for Stem Cell Therapy

Take the first step towards the healthier life you deserve. Apply for stem cell treatment at Stem Cell Institute Panama today!

If you have any questions or need further information, please don't hesitate to call us at 1 (800) 980-7836 (toll-free) or email us at office@cellmedicine.com. We are here to guide you through the process and provide the care you deserve.

Thank you for considering Stem Cell Institute for your journey towards a better future.

[Apply Today](#)



www.cellmedicine.com