



GIOSTAR
MEXICO

PIONEER IN INNOVATIVE
STEM CELL SCIENCE & THERAPY

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WELCOME

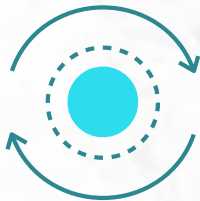
HELLO FUTURE SUCCESS STORY!

In Giostar Mexico, we are pleased to hear about your interest in starting your journey of healing and improving your overall well-being.

Please be informed that, due to decades of extensive research and development done by the scientific teams lead by Dr. Anand Srivastava, we are able to provide stem cell therapy with advanced understanding and exclusive cultivation processes that maximize the stem cell's natural capabilities of stimulating regeneration of damaged tissues and organs.

We gladly share with you this brochure of our organization.

REGENERATIVE MEDICINE



Slow Down



Stop



Regenerate

BENEFITS



Immunomodulation stimulates the recovery of your body's natural immune system response, contributing to reduce inflammation and regulating your bodily processes



Slow down the progression of degenerative conditions



Improved comfort for better sleep



Avoid surgical intervention



Increased overall well-being



Improved blood flow circulation



ASK FOR OUR
MONTHLY PROMOTIONS



Los Algodones, Baja California, Mexico



Playa del Carmen, Quintana Roo, Mexico

WHO ARE WE AS A COMPANY?

Global Institute of Stem Cell Therapy and Research (GIOSTAR) headquartered in San Diego, California, U.S.A., was formed with the vision to provide stem cell based therapy to aid those suffering from degenerative or genetic diseases around the world. Giostar is the leader in developing the most advanced stem cell based technology, supported by leading scientists and clinicians with pioneering publications in the area of stem cell biology and genetics. Giostar Mexico's primary focus, through research done in Giostar USA, is to discover and develop a cure for human diseases with innovative and unique stem cell based therapies and products.

Regenerative Medicine provides treatment for diseases previously regarded as incurable. Giostar's ultimate aim is to provide continued leadership in the field of stem cell science and to continue developing affordable stem cell based therapy for those in need.

Each patient is unique, genetically and medically. In **Giostar Mexico**, we develop personalized protocols for each patient. Be it immunoregulation or rejuvenation, through continuous innovation and research in our facilities (**we have clinics in Cancun Riviera and Los Algodones, Baja California**) and labs, Giostar continues expanding its treatments into new areas in order to provide regenerative solutions through stem-cell based applications that potentialize your body's natural self-healing capabilities.

Giostar, as a worldwide company, is a coalition of esteemed and illustrious scientific minds in the field of genetics and stem cell science. For over twenty years our team of scientists and clinicians have been involved in the development and utilization of stem cell based clinical protocols for stem cell transplants.

DR. ANAND SRIVASTAVA



Dr. Anand Srivastava is known as the pioneer in the field of stem cell research, and the founder and leader of GIOSTAR. With more than 20 years in the research field, his success has its roots in his unique background of expertise in Stem cell biology, molecular biology, immunology, gene therapy, and clinical research. He is **Chairman and Co-founder of California based Global Institute of Stem Cell Therapy and Research (GIOSTAR)** headquartered in San Diego, California, (U.S.A.).

Under his creative leadership, a group of esteemed scientists and clinicians have developed and established Stem cell therapy for various types of autoimmune diseases and blood disorders. Dr. Anand Srivastava's wide-spectrum expertise is rare in clinical research and perfectly crafted to fit ideally with the GIOSTAR **projects for Stem cell transplant, cancer, and gene therapy research.**

He is also a member of several scientific review committees and he has written distinguished review articles and scientific manuscripts. He is also reviewer of several scientific journals such as Advances in Stem Cells, Current Topics in Medicinal Chemistry, Journal of Stem Cell Research and Therapy, Conference Papers in Molecular Biology, Open Journal of Organ Transplant Surgery, and many more.

Aside from that, Dr. Anand Srivastava has **dedicated his life to research, and his work has been presented in various national and international scientific meetings and conferences in India, Japan, Germany, Korea, China, Bahamas and USA.** Since the year 1997, Dr. Anand has held numerous important positions in renowned universities and institutes worldwide: Senior Scientist - Stem Cell Core Facility in the Salk Research Institute, La Jolla, CA, USA. Visiting Associate Researcher - Department of Molecular, Cell and Development Biology, University of California Los Angeles (UCLA), CA, USA. Visiting Fellow -National Research Institute, Nansei, Mie, JAPAN.



"The focus of our ethical practice is our patient. Complying with regulations and laws is the bare minimum any professional company must do. On a daily basis, we talk with, orient and motivate our patients. We do not improvise: we innovate. Stem Cell Therapy is not experimental: it is regenerative medicine. We are Giostar Mexico, a solution provider for people in need of empathic medical care, utmost quality treatments and humane communication."

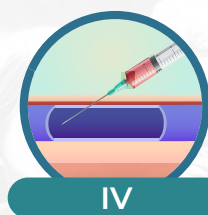
- Alejandro Gutiérrez, CEO of Giostar Mexico

ETHICS

Giostar operates in various countries, completely meeting the regulatory and legal demands in order to successfully provide our medical solutions for patients in every location and from any country they may visit us from. Giostar Mexico has all legal licenses required to operate a cell bank, a laboratory and perform intravenous, local and intrathecal applications. All of our medical directors and personnel are qualified clinicians of regenerative medicine, as well as associates of national councils and organizations specialized in stem cell therapy.

Giostar Mexico is subjected to routinary inspections by COFEPRIS (Mexican equivalent of American FDA) in which our facilities, supplies and personnel are periodically verified in compliance with safety demands and adequate usage of patient's information.

Types of Applications





STEM CELL THERAPY FOR DISEASES AND CONDITIONS

DISEASES AND CONDITIONS

Stem cell therapy is a form of regenerative medicine that uses our body's natural self-healing mechanisms in order to slow down, stop and regenerate (this is the essence of regenerative medicine) damage to our tissues and organs done by disease or injury. We all have stem cells in our body; however, due to aging, disease and a weakened immune system, our ability to heal is sometimes diminished or completely overrun. Stem cell therapy helps our immune system to recover its balance (immunomodulation), which in turn supports regeneration efforts.

Imagine a city under siege. This is a patient's body under attack by a disease or condition. The people inside the city are the organs, immune system and various cells that work to combat/rebuild the damage done. Stem Cell Therapy works in three stages: first, it stops the siege (damage/attack to the body); second, it provides the building materials for rebuilding; last, it tells the citizens (organs, immune system and cells) how to use the building materials.

Patients can expect different results even if they have the same condition, because each body reacts differently to stem cell therapy. Like most situations and experiences in life, everyone reacts in their own way. However, common side effects that patients may present are: excess of energy, increased general well-being, ease or difficulty to sleep, headaches and soreness.



“

"Very well taken care of. Great staff. Looking forward to coming back".

Eric Mathews, 37, Degenerative Disc Disease.

”



“

"I enjoyed my day fully. The staff, the nurses, the doctors were very professional, sanitary, and direct to all my expectations of my needs, including making sure I understood each procedure".

Karen Cook, Anti-aging.

”

ARTHRITIS

As we age, the adult body can run out of stem cells to repair itself, due to aging, degenerative diseases or both. With Arthritis, the deterioration can exhaust the usage of stem cells to regenerate cartilage tissue leaving the body unprotected to more damage and pain.

Stem cell therapy for arthritis can be applied:

Intravenous (IV): Stem cells are injected into the bloodstream to expand blood volumes in the central nervous system to ensure they reach the affected area.

Local: Stem cells are infiltrated through injections in the affected area (shoulders, knees, hands, hips, for example).

LISTEN TO OUR PATIENT'S EXPERIENCE



Los Algodones Clinic's Patient

AMYOTROPHIC LATERAL SCLEROSIS

Amyotrophic Lateral Sclerosis (ALS) is the most common adult-onset motor neuron disease. It is characterized by both upper and lower motor neuron degeneration and has a median survival of 2–4 years. ALS also known as Lou Gehrig's Disease, is a progressive neurodegenerative disease that affects nerve cells in the brain and the spinal cord. A-myo-trophic comes from the Greek language. "A" means no. "Myo" refers to muscle, and "Trophic" means nourishment – "No muscle nourishment." When a muscle has no nourishment, it "atrophies" or wastes away. "Lateral" identifies the areas in a person's spinal cord where portions of the nerve cells that signal and control the muscles are located. As this area degenerates, it leads to scarring or hardening ("sclerosis") in the region.

It is fundamental to consider that chronic inflammation plays an important role in ALS. The most important therapeutic potential of stem cells relies on their ability to regulate inflammation and to empower resident cells to facilitate tissue repair through endogenous stem cell activation or environment modulation.

LISTEN TO OUR PATIENT'S EXPERIENCE



Los Algodones Clinic's Patient



Los Algodones Clinic's Patient

MULTIPLE SCLEROSIS

Multiple Sclerosis (MS) is a lifelong condition in which an abnormal response of the body's immune system affects the central nervous system. This comprises the brain, spinal cord, and optic nerves. Damage by MS on the central nervous system can cause various symptoms including:

- Vision problems
- Moving limbs difficulty
- Sensation deficit
- Balance problems

Although the cause of this condition is still unknown, scientists believe it's triggered by a combination of factors such as genetics and environmental factors.

LISTEN TO OUR PATIENT'S EXPERIENCE



Playa del Carmen Clinic's Patient



Los Algodones Clinic's Patient

ERECTILE DYSFUNCTION

With stem cell therapy for **erectile dysfunction**, the application of mesenchymal stem cells has the ability to help the body identify the neovascular problems that won't allow blood flow through the penis and get a firm erection.

GIOSTAR Mexico patients experienced having more energy, using less medication to achieve a firm erection, being able to last longer, and feeling better overall.

LISTEN TO OUR PATIENT'S EXPERIENCE



Los Algodones Clinic's Patient

DIABETES

Stem cell therapy for Diabetes offers a great alternative to treat this condition. The use of mesenchymal stem cells for diabetes has proven to improve the function of the pancreas, prevent cell death, and reduce insulin resistance. Mesenchymal stem cells may also generate new insulin-producing cells.

Researchers are now turning to stem cells as a way to generate a large number of new β -cells without the drawbacks of transplantation. The stem cells travel to the damaged tissue after being implanted, develop into new β -cells, and continue to maintain a healthy amount of β -cells in the body. Alternatively, stem cells can be generated in the lab and encouraged to produce insulin. These cells could then be used to replenish cells that have been depleted in a patient's body. Type 1 diabetes could be successfully controlled with these strategies without relying on the restricted availability of donor cells.

Type 2 diabetes can be treated using stem cells comparably. Although β -cells are still present in Type 2 patients, extra b-cells could increase the body's supply and help the patient overcome insulin resistance. To treat a patient's insulin resistance, treatment could try to keep b-cell levels above the needed level.

LISTEN TO OUR PATIENT'S EXPERIENCE



Los Algodones Clinic's Patient

AUTISM

Autism is a neural disorder characterized by impaired social interaction, communication and restricted and repetitive behavior. Autism is commonly caused by genetics, and sometimes it's also associated with environmental factors, causing alterations in the nerve cells.

Some main signs of autism are:

- Learning disability
- Speech delay in a child
- Inappropriate social interaction
- Poor eye contact
- Compulsive behavior
- Impulsivity
- Repetitive movements

LISTEN TO OUR PATIENT'S EXPERIENCE



Playa del Carmen Clinic's Patient

A muscular man is shown from the back, wearing dark shorts. He is holding his right hand on his lower back, indicating pain. The image is overlaid with a teal color. The text "STEM CELL THERAPY FOR PAIN MANAGEMENT" is written in white, bold, uppercase letters across the center of the image.

STEM CELL THERAPY FOR PAIN MANAGEMENT

PAIN MANAGEMENT STEM CELL THERAPY

The use of mesenchymal stem cells for pain management and muscular injury will direct the stem cells to the damaged area, helping the immune system to reduce the inflammatory response caused by injuries, as well as boost the own body's production of new cells that will help stop the pain and regenerate the damaged tissue.

LISTEN TO OUR PATIENT'S EXPERIENCE



Playa del Carmen Clinic's Patient

KNEE PAIN

Knee pain is a common complaint that affects people of all ages. Knee pain may be the result of an injury, such as a ruptured ligament or torn cartilage. It can be caused by injuries, mechanical problems, types of arthritis, and other problems.

Signs and symptoms that sometimes accompany knee pain include:

- Swelling and stiffness
- Redness and warmth to the touch
- Weakness or instability
- Popping or crunching noises

LISTEN TO OUR PATIENT'S EXPERIENCE



Los Algodones Clinic's Patient

BACK PAIN

Back pain is one of the most common reasons for people to go to the doctor and can be incredibly painful or annoying, and it can happen for a lot of reasons.

Back pain often develops without a cause that your doctor can identify with a test or an imaging study. Conditions commonly linked to back pain include:

- Muscle or ligament strain
- Bulging or ruptured disks
- Arthritis
- Osteoporosis

Fortunately, there are ways to treat back pain and help you heal your back within a few weeks.

LISTEN TO OUR PATIENT'S EXPERIENCE



Los Algodones Clinic's Patient

A man and a woman are jogging in a city park. The woman is on the left, wearing a white t-shirt and grey leggings, smiling. The man is on the right, wearing a grey long-sleeved shirt and black pants, looking forward. They are both wearing headphones. The background shows a city street with buildings and trees. The entire image has a teal overlay.

STEM CELL THERAPY FOR ANTI-AGING



ANTI-AGING

In Giostar Mexico, we regularly receive patients that wish to receive stem cell therapy for anti aging. Through the use of mesenchymal stem cells, we apply stem cell injections via IV (intravenously) to insert them inside the patient's blood flow, where they will arrive to organs and tissues that, due to natural damage accumulated through the years, require support in order to regenerate and recover.

Stem cell therapy for anti aging reinvigorates the patient's health and overall well-being, increases energy levels and promotes immunomodulation, which therefore boosts the immune system, helping in the prevention of possible diseases and unfavourable conditions.

TREATMENT INCLUDES



In Los Algodones, due to its proximity to the US-Mexico border crossing, we pick up patients on the border and take them to our clinic or their hotel



Lodging (ONLY included in our Clinic in Algodones)



Hyperbaric chamber (ONLY included in our Clinic in Algodones)



Body preparation – Nutritional IV Therapy



1 vial (35 million stem cells)



Laboratory protocol by Dr. Anand ("programming" of the stem cells in order to direct them towards the affected tissue or organ)



Medical Consultation



Dietitian follow up post-therapy



Preferential prices for future reinforcements/applications



Laboratory exams the previous day before the first application

VALUE COMPARISON

Stem Cell Therapy in Mexico

- ✓ Legally allowed infiltrations in the entire body to treat multiple conditions.
- ✓ Price range between \$4,000 and \$20,000 USD, depending on the condition to be treated.
- ✓ Legal framework allows stem cells to be cultured, which translates to a higher amount of stem cells available for patients to receive.
- ✓ Legal framework allows for the use of autologous (patient's own) and donor stem cells, which reduces the costs for patients and maximizes treatment options.
- ✓ Donor stem cells allow patients with compromised immune systems to receive stem cell therapy.

Stem Cell Therapy in USA

- ✗ Mostly limited to intravenous applications.
- ✗ Price range between \$5,000 and \$35,000 USD, depending on the condition to be treated.
- ✗ Legal framework does not allow stem cells to be cultured, which limits the available amount of stem cells for patients to receive.
- ✗ Stem cell procedures mostly depend on the patient's own limited amount of stem cells extracted through liposuction or bone marrow extraction.
- ✗ Patients with compromised immune systems are severely limited to receive stem cell therapy due to the limitations imposed by regulations on donor stem cells.

***All of our treatments include:**

- Nutritional IV Therapy
- Oxygen Therapy
- Dietitian Follow-up
- Preferential prices for Reinforcement



ASK FOR OUR
MONTHLY PROMOTIONS

Post Therapy Follow-Up

GIOSTAR Mexico creates personalized treatment plans for each patient, some of them including three or more stem cell transplants. We want you to understand the timeline of the therapy and what to expect.

Due to the application method itself or as a normal body reaction to the stem cell transplant, you may experience some side effects during the first 2 weeks following the procedure. Here are some of the side effects you may experience:

- **Asthenia** – abnormal physical weakness or lack of energy
- **Hyperthermia** – elevated body temperature
- **Headache**
- **Sleep alterations** – Patient may experience difficulty in initiating sleep or waking up
- **Slight pain or discomfort in the application area**



DOS AND DON'TS

GIOSTAR understands the impact that day to day decisions have in your well-being. Stem Cell Therapy helps improve your health, but changing our habits goes hand in hand with the results of this therapy, accelerating them and making them last longer. Here are some basic recommendations you should follow after your stem cell transplants:



DOS

- *Organic food*
- *8 hours of sound sleep*
- *Yoga*
- *Pranayama*
- *Relaxation and Meditation*
- *Music therapy*
- *Aroma therapy*
- *Over the counter antioxidants*

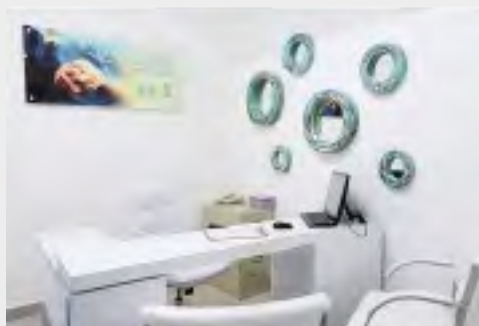


DON'TS (TO BE AVOIDED)

- *Steam and Sauna bath*
- *Extreme temperature variations*
- *Over the counter – Self medications*
- *Overexertion*
- *Stress (Physical & Emotional)*
- *Consumption of junk food and aerated drinks*
- *Consumption of processed food*
- *Consumption of nicotine*
- *Consumption of hard drinks and spirits*
- *Excessive sun exposure such as tanning*
- *Polluted environment*

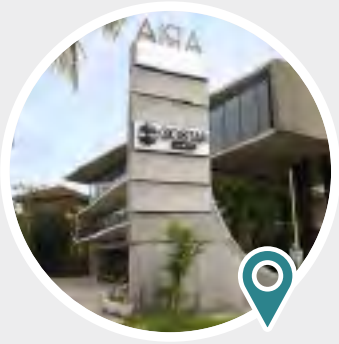
FACILITIES

Los Algodones



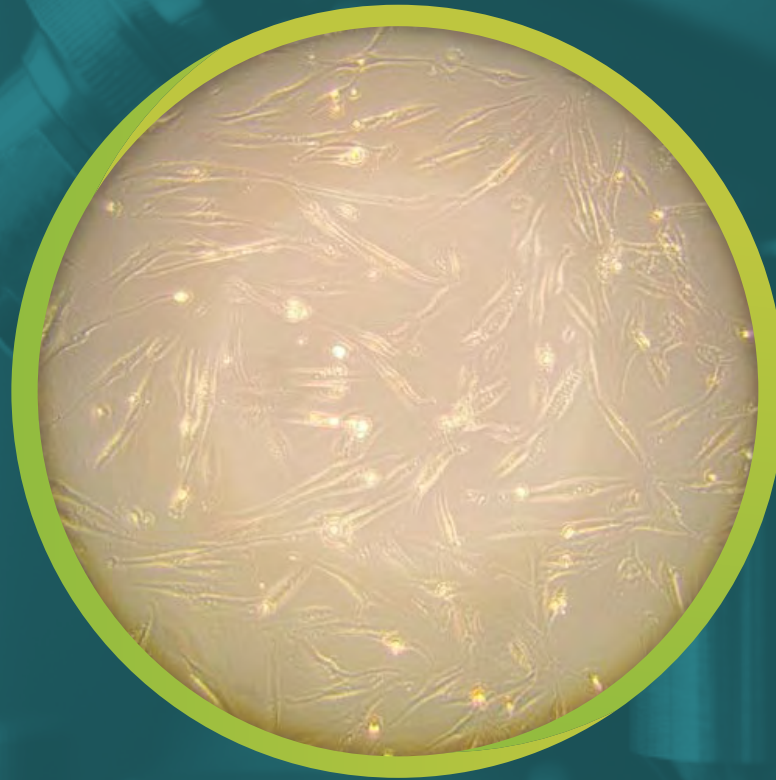
- Medical attention and follow up available 24/7
- 10-minute drive from Yuma, Arizona
- Immediate walking distance from a US port of entry
- Every major need (food, lodging and entertainment) are walking distance from one of our own 2 hotels for our patients
- State-of-the-art in our first clinic
- Transportation services available

Cancun Riviera (Playa del Carmen)



- Medical attention and follow up available 24/7
- Transportation services available
- Wide variety of food, lodging and entertainment in Mexico's most famous touristic destination
- 45-minute drive from Cancun Airport
- State-of-the-art facilities in our new clinic
- Ideal for tours and sightseeing travelling companions

LIVE STEM CELLS



*View of **live stem cells** from a microscope*



SELECT PUBLISHED RESEARCH

Stem Cell Therapy Research for Covid 19 Patients

“In pursuit of an effective means for regulating the cytokine storm, administration of Hyperbaric Oxygen (HBO2) therapy also has been performed in some clinical trials. The underlying theory proposes that availability of higher than normal levels of oxygen during HBO2 therapy can safely reduce the inflammatory response by attenuation of the innate immune system, increase hypoxia tolerance, and thereby can prevent multiple organ failure.”

Diana Esquivel, Rangnath Mishra, Prabhat Soni and Anand Srivastava. 2021. A Possibility of Using Mesenchymal Stem Cell Therapy in Combination with Hyperbaric Oxygen Therapy for Treating COVID-19 Patients. <http://www.remedypublications.com/open-access/a-possibility-of-using-mesenchymal-stem-cell-therapy-in-combination-6605.pdf>

Mesenchymal Stem Cell Therapy: An Alternative Approach to Treat Chronic Obstructive Pulmonary Disease

“MSC therapy can regulate the main causes and symptoms via reduction of apoptosis and oxidative stress, regeneration of damaged tissue and exhibition of paracrine effects. Previous reports demonstrate that MSC therapy results in immunomodulation of smoke damaged lung and pulmonary function. The levels of pro-inflammatory mediators (TNF- α , IL-1 β , MCP-1 and IL-6), MMP9 and MMP12 were reduced; while VEGF, VEGF receptor and TGF β -1 level were upregulated and this resulted into reduced lung cell apoptosis [15,16].”

Esquivel Diana , Garza Daniel and Srivastava Anand. (2020). Mesenchymal Stem Cell Therapy: An Alternative Approach to Treat Chronic Obstructive Pulmonary Disease. 2021, de Annals of Stem Cell Research & Therapy <http://www.remedypublications.com/open-access/mesenchymal-stem-cell-therapy-an-alternative-approach-hnbspto-treat-5631.pdf>

CONTACT



24/7 PATIENT
ATTENTION
686-216-55-63



Clinic hours

7 am - 5 pm (PST) Monday - Friday

9 am - 3 pm (PST) Saturday

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