

# info packet



# STEMEDIX

PERSONALIZED REGENERATIVE MEDICINE

601 7th Street South, Suite 565  
St. Petersburg, FL 33701

800-531-0831



# ABOUT US

Stemedix, Inc. was founded on January 23, 2013. Our St. Petersburg headquarters is located in the Bayfront Health Medical Building which is within the Bayfront Health and John Hopkins Children's Hospital District. With a long-standing footprint in the industry of Regenerative Medicine we have successfully become a trusted source for patients and a strategic partner for some of the top biomedical manufacturers in the United States. We currently offer services in Florida, Arizona, and Seattle.

Located in the Bayfront Health  
Medical Building  
601 7th Street South,  
Suite 565,  
St. Petersburg, FL 33701



P: 800-531-0831  
P: 727-456-8968  
F: 727-362-4630

Stemedix was founded in order to provide access to those seeking an alternative regenerative medicine option for their degenerative, chronic pain, or autoimmune condition. In addition, our team helps provide access to help those seeking supplements, vitamins, and peptides for their wellness. If traveling to one of our locations, we understand the importance of having an easy experience, so we offer assistance with accommodations and transportation services to those who may need this support.

Stemedix has maintained its authenticity as an ethical and compassionate provider by focusing on patients' safety and positive end to end experience while following science in an effort to create optimal outcomes. Stemedix stands above the competition as we work with board-certified providers who only perform against their accredited specialties. We stay ahead with active research and development of the industry's latest biomedical products and techniques. And finally, our business practice and focus are only Regenerative Medicine.

What makes the Stemedix difference is our Care Coordinators and Providers. Each patient is personally handheld through the process to understand what is to be expected, what are the next steps, and individually accessed on their condition with an approved therapy option by a board-certified provider. Your wellness and convenience are our focus. With Stemedix, you have the comfort of knowing you are being offered professional patient care with help and guidance from a dedicated Care Coordinator.



## Our Mission

To positively impact the quality of life of our patients by reducing the symptoms of their conditions by using the highest quality stem cell and regenerative therapy treatment methods.

### Highlights TO OUR SERVICES INCLUDE:

- ✓ Dedicated Care Coordinator & Doctor
- ✓ Hotel and Personal Car Service accommodations included
- ✓ Customized Treatment Plans
- ✓ Treatment Options: Adipose (fat), Umbilical Cord, Hyperbaric Oxygen, Bone Marrow, and Extracellular Vesicles (Exosomes)
- ✓ Medical History and Supplemental Evaluations

With Stemedix, you have the comfort of knowing you are being offered the highest level of patient care with a worry-free process. Please see the comments and personal videos testimonies on our website to see our patients' experience and their personal journey to wellness with Stemedix.



## Your Journey to Wellness

Those seeking an alternative treatment with stem cell therapy may have many questions and become overwhelmed when trying to figure out where to begin.

Fortunately, professional Stemedix Care Coordinators are available to answer your questions, relieve your concerns, and help walk you through this step-by-step process.

1

The first step of your journey to a healthier lifestyle is to contact one of our professional Care Coordinators. By contacting them via phone, email or our website, they will be able to help answer questions you and your family may have about our stem cell treatment procedures and protocols for therapy. What makes the Stemedix difference are our Care Coordinators. Each patient is personally guided through the process to understand what is to be expected and what are the next steps.

2

The next step in our process is to determine a candidacy or therapy. This is done by completing a Medical History Form that provides your current symptoms, medical history, along with list of medications and/or supplements. It is important to be as detailed as possible so that our physician team can determine whether or not stem cell therapy would be safe and beneficial to your condition. They will also provide their recommendations for an optimal treatment plan.

3

Once you have completed the Medical History Form, the next step is to gather necessary blood work as part of the review process. We ask that you send a copy of your most recent blood work containing the CMP & CBC lab results, ideally taken within the last six (6) months. These are common blood tests that the physician managing your condition may have. Additional tests may be required depending on the treatment plan determined to ensure your safety and eligibility for certain methods of treatment.



## Your Journey to Wellness

4

Once your Medical History Form and initial medical records are received, your Care Coordinator will submit to the physician team to determine candidacy for treatment and customized recommendations. Stemedix provides access to stem cell therapy and our Board-Certified Providers want to focus mainly on your safety and best potential outcomes. They want to ensure there are no risks for treatment as well as advise if your condition is one that the treatment has the potential to reasonably impact.

5

Once approved for treatment, the final step is to reserve your stem cell treatment date. Once you have determined a treatment date that works best for you and your family, a deposit is requested to lock in that date. You will receive a Welcome Packet with details of your upcoming treatment plan details, itinerary overview, hotel details and accommodation options, as well as guidance on how to prepare for your upcoming treatment.

.....

Call a Care  
Coordinator  
Today

**800-531-0831**

.....



## The Stemedix Difference

When you choose Stemedix, you are choosing the stem cell center with experienced Board-Certified Providers whom customize your Regenerative Medicine treatment using the latest stem cell therapy options with the most advanced technology and methods. Although many factors make us different, below are just some of the benefits of using our clinics.





# The Stemedix Difference

## US BOARD-CERTIFIED PROVIDERS

All of our providers have passed board certifications in their specialties, which means that you will be treated by Board-Certified Medical Providers who meet the levels of excellence expected by our patients.

## EXPERIENCED CLINICAL AND NURSING STAFF

Doctors are not the only part of a successful treatment experience, nursing and other clinical staff are just as important. We strive to ensure you get the highest quality treatment experience offered.

## CERTIFIED STEM CELL LAB TECHNICIANS

Stem cells are an emerging technology and finding those who are proficient in their handling can be challenging. Our staff consists of lab technicians who are fully certified in the processing of stem cells. This warrants the best possible outcome for your condition.

## TECHNOLOGICALLY ADVANCED EQUIPMENT

In the field of Regenerative Medicine, we rely on the highest quality equipment available to help promote the best outcomes. Stemedix physicians

and their team perform treatments with the most technologically advanced, state-of-the-art, and up-to-date equipment or cell optimization. This includes a closed processing system which is designed and operated so that the cells are not exposed to the room environment.

## STEM CELL SOURCE OPTIONS

Every patient is different, in condition, progression and overall health. For these reasons, Stemedix provides treatment access to various stem cell sources, Adipose (fat), Umbilical Cord Tissue, and Bone Marrow derived mesenchymal stem cells (MSCs). In addition, we also offer multiple administration techniques and enhancement options to optimize our patients potential for success.

## ANESTHESIOLOGY TRAINED INTRATHECAL INJECTION

In addition to systematic intravascular (IV) administration of adipose or umbilical cord tissue-derived stem cells, the intrathecal injection is effective in targeting the tissues of the brain and spine. This delivery bypasses the blood-brain-barrier and is an aggressive approach for those with neurological conditions and spine-related conditions. This procedure is performed only by a Board-Certified Anesthesiologist and the injection is inserted into the lumbar area of the lower back into the cerebral spinal fluid (CSF).



# The Stemedix Difference

## ACTIVATION PROTOCOL

Some stem cell treatment centers use only one form of activation protocol. At Stemedix we use both platelet rich plasma (PRP) and laser activation in most procedures. This process is used to ensure that the stem cells are effectively prepared and is an important step to the overall potential success of your therapy.



## ANTIBODY FILTRATION PROTOCOL

Antibodies are specialized proteins that cause the immune system to react. Even though the stem cells taken can be yours in our autologous cell therapy, antibodies can still create side effects if they are not properly treated. For this reason, we filter all of the antibodies out of the stem cells before introducing back into the body.

## US STANDARDS FOR MEDICAL CARE

Our US stem cell clinics are located conveniently in the east and west coast of the United States in Florida & Arizona. We also offer therapy in our Costa Rica location as well. Each of our locations execute the excellent customer care demanded by our patients.

## DEDICATED CARE COORDINATOR

You are assigned a dedicated Care Coordinator who will assist you and your family throughout your journey. They work closely with you and the physician team to help address your inquiries and ensure all information is gathered to allow a thorough medical review for treatment.

## CONCIERGE AND PATIENT COMFORT

Our travel team, will help set up your ground transportation along with your choice of hotel and needed accommodations. Any medical accommodations needed for your treatment stay can also be coordinated to the best availability possible.





# Adipose Stem Cell Therapy

## WHAT IS ADIPOSE STEM CELL THERAPY?

Using only the latest advancements in regenerative medicine, our Board-Certified Providers offer a therapy which harvests mesenchymal stem cells from a patient's own adipose (fat) tissue in hope of repairing the damage caused by several autoimmune and degenerative conditions. These cells can be reintroduced into the body using few different methods for a targeted approach. Mesenchymal stem cells are considered undifferentiated cells that have the ability to replicate many tissues of the body, including those damaged by chronic inflammation. Our own body fat is rich with stem cells that can be used as a renewable source of cell replacement for a powerful treatment against a wide range of debilitating autoimmune, degenerative, neurological, and orthopedic conditions.



# Adipose Stem Cell Therapy

## WHAT CAN I EXPECT?

Your week will include a pre-operative appointment with the performing provider to review any questions you may have and the treatment day expectations. There is also a post-operative appointment to monitor the healing process of your treatment and change the dressing of the incision site.

The treatment process begins with a mini-liposuction to extract up to 200cc (approximately 3/4 cup) of adipose tissue. The cells are then placed through an anti-body filtration and

sterilization process. You will have vials of blood drawn which will be placed in the centrifuge system to isolate the platelet-rich plasma (PRP). The PRP is then added to the stem cell concentration.

Based on your treatment plan, the cells are then reintroduced into the body. The administration methods could include one or more of the following methods; intravenous, intranasal, intra-articular, intrathecal, and or via nebulizer.

## \$6,900 PACKAGE INCLUDES:

- 3 Day/ 2 Night stay at provided choice of hotel
- Care Coordinator assistance during your stay
- Private car service to and from airport and appointments
- Pre- & Post-treatment Appointments
- Customized treatment plan including local anesthetics





# Umbilical Cord Stem Cell Therapy

## WHAT IS UMBILICAL CORD STEM CELL THERAPY?

Stemedix offers a new approach to stem cell therapy that utilizes one of the most potent and viable cell sources, Umbilical Cord Tissue (Wharton's Jelly). Our Board-Certified Providers use umbilical cord tissue derived cells to provide a powerful approach in the management of a wide variety of neurological and respiratory conditions as well as degenerative and joint related conditions.



Using a patented and proprietary process, umbilical cord cells are harvested from healthy C-section births, screened for disease and processed within 12 hours of births in USA hospitals. These cells are some of the youngest, meaning they possess a longer cell life than those derived from adults. The product is derived from the Wharton's Jelly, which lines the vessels in the Umbilical Cord. This area contains 50X greater Growth Factors, Hyaluronic Acid, Cytokines, and Proteins than any other product which allows for a more concentrated healing cascade. The Wharton's Jelly is comprised of 80% mesenchymal stem cells (MSCs) making it extremely potent. Cryopreservation is used to ensure potency and cell count remains minimally impacted. Mesenchymal stem cells are considered undifferentiated cells that have the ability to replicate many tissues of the body. Because this is not a cord blood product, this is extremely safe and does not require blood type matching.



# Umbilical Cord Stem Cell Therapy

## WHAT CAN I EXPECT?

Unlike bone marrow and adipose stem cell therapies, there is no surgery involved and the recovery process is considered minimal. While other stem cell procedures require an incision to be made or post-operative care lasting up to at least one-week, umbilical stem cell therapy does not require surgical intervention. The procedure involves the administration of umbilical cord stem cells into the targeted areas of the body according to your customized treatment plan.

Methods of administration could include one or more of the following methods; intravenous, intranasal, intra-articular, intrathecal, or via nebulizer. Umbilical Cord Stem Cell Therapy offers a powerful alternative for those considering an allogeneic approach when traditional medicine has provided less than optimal results. As pioneers in the field of stem cell therapy research, our medical staff proudly offers this revolutionary and viable method of regenerative medicine in the treatment of a wide variety of debilitating conditions.

Starting at \$9,900

### PACKAGE INCLUDES:

- 3 Day/ 2 Night stay at provided choice of hotel
- Care Coordinator assistance during your stay
- Private car service to and from airport and appointments
- Pre-treatment physician consultation
- Customized treatment plan
- Post-operative monitoring & follow-up protocol



## Extracellular Vesicle Therapy *also known as Exosomes*

In order to tell other parts of the body how to react, cells must be able to communicate. For many years, scientists have known that cells do this through chemical secretion, which releases a message to other cells. It wasn't until recently, however, that researchers discovered the ability to deliver these messages through extracellular vesicles. Tiny vesicles are assembled inside the cell before being released through the membrane. These are known as exosomes and they carry sophisticated RNA.

Recent studies show that exosomes play a critical role in inter-cellular communication to other parts of the body through the circulatory system. They carry many chemicals, including microRNA that can enhance the therapeutic effects of mesenchymal stem cells (MSCs). Exosomes formed by specific cells can perform multiple functions, including exerting positive effects on tissue regeneration and guiding your body's cells to the damaged areas. Some researchers have stated that Exosomes act like a beacon for the stem cells and other healing cells in your body. They guide the cells to the damaged areas and help to focus on that specific tissue.



## Extracellular Vesicle Therapy

MSCs can secrete a higher number of extracellular vesicles, also known as exosomes, than other types of cells. Unlike their parent cells, the exosomes are smaller, less complex. They are easier to produce and store giving them the ability to pass the blood-brain barrier and in greater numbers. Through a growing number of research studies, exosomes show promise in delivering the biological molecules and proteins to targeted damaged areas of the body. In Regenerative Medicine, exosomes are administered in conjunction with MSCs. Exosomes alone do not repair/regenerate but are the messengers that direct and tell the MSCs where to go and repair and regenerate.

Exosome studies continue to be performed in the field of Regenerative Medicine to discover the full impact these powerful chemical messengers will

have on medicine today. However, based on the sheer volume of exosome research currently being conducted, scientists believe exosomes could hold the answers to some of our most pressing medical questions and hold therapeutic potential for many degenerative conditions.

---

### BENEFITS:

- Can easily bypass the blood-brain barrier due to their size
  - Immediate and long-lasting potential benefits
  - Enhances the therapeutic effects of MSCs
  - Facilitates cell-to-cell communication in a target-specific manner throughout the body
-



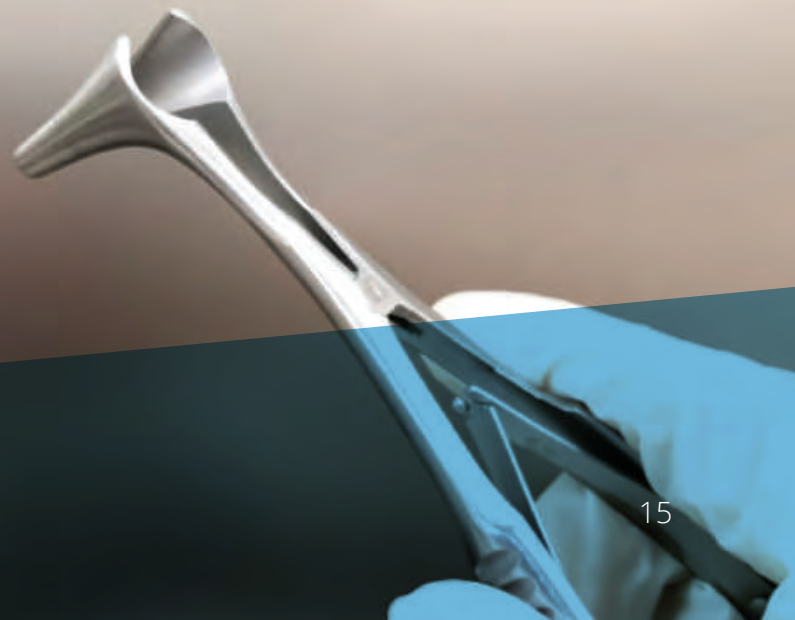
## Intranasal Injection

When considering a regenerative cell treatment that is most effective for your condition, the administration of the cells back in to the body may be one of the most important aspects. Along with the widely utilized intravascular (IV) method of re-introduction, there are several ways that these powerful cells can be placed back in the body to reach specific areas of concern. When targeting damage, degeneration, and/or inflammation within the tissues of the brain, in conjunction with the IV method is an injection of the cells intranasally.

The intranasal injection has been effectively performed by our team of physicians providing promising results to those battling a wide range of neurological conditions. This technique is used widely throughout the neurological community to get medications and substances directly to

the brain and is now being explored in the field of regenerative medicine. Using this method allows the physician overseeing your procedure the ability to get the harvested mesenchymal stem cells to the tissues of the brain. Our Stemedix team of physicians fully believe that the intranasal delivery of stem cells can effectively bypass the blood-brain barrier (BBB). The blood-brain barrier is a semipermeable membrane that filters circulating blood from the brain. By using the intranasal method, stem cells can easily bypass the blood-brain barrier without the use of medication. This technique will allow the stem cells to target the brain by traveling extracellularly along the olfactory neural pathway and target the tissues responsible for a wide range of neurological conditions, including Alzheimer's, Frontal Lobe Dementia, Multiple Sclerosis, and Parkinson's Disease.

*continued...*





# Intranasal Injection

The intranasal injection procedure begins with the licensed performing physician numbing the entire nasal cavity using a local anesthetic, Lidocaine. Once this area is completely numbed, the harvested stem cells are gently injected, using a small needle, into the nose towards the back of the nasal cavity. Located within this area are several small arteries that lead directly into the tissues of the brain. This form administration is considered a minimally invasive, out-patient process and is completed in under ten minutes. There is no post-operative care involved, however a follow up appointment or phone call will be scheduled for the morning after your regenerative stem cell therapy.

---

## BENEFITS:

- Cells can effectively bypass the blood-brain barrier
- Non-invasive alternative for delivery
- Procedure is minimally pain-free
- Offers a more powerful and targeted approach

*No cost when included with Adipose or Umbilical Cord Treatments.*

---







# Intrathecal Injection

The administration of cells, when dealing with any type of stem cell therapy, can be one of the most important aspects to consider for best possible outcomes. When targeting specific tissues, direct injections are necessary to ensure the cells remain in a particular area of the body. An example of this is seen with an intrathecal injection. An intrathecal injection is a method of inserting the stem cells into the lumbar or epidural space so that it reaches the cerebrospinal fluid (CSF). This clear fluid can be found within the spine and brain flowing continuously through each of these parts of the vertebral column and skull. This route of administration is widely used within the anesthetic, chemotherapy, and pain management fields of medicine and has been routinely practiced for many years.



# Intrathecal Injection

When utilizing this technique, our physician staff targets the tissues of the brain, spinal cord and vertebral columns specifically. Offering a specialized procedure can be the difference between an ordinary treatment and a unique and personalized one. A Board-Certified Provider performs this minimally invasive procedure in conjunction with our intravascular (IV) stem cell therapies.



## WHAT CAN I EXPECT?

When the procedure begins, the patient is generally lying flat or on their side, allowing for the entire back to be exposed. Once the patient is comfortable, the lumbar area, or lower back, is disinfected and numbed using local anesthesia. This method of injection is usually pain-free, and the patient is awake and responsive throughout the entire process. The physician introduces the adipose or umbilical cord tissue derived cells using a long, thin needle into the fluid-filled intrathecal space. Once the cells are inserted into this area of the spine, they can be absorbed by

the brain. By injecting these cells in this manner, research suggests the stem cells have a better chance of reaching the tissues of the brain and crossing the blood brain barrier. The blood-brain barrier is a semipermeable membrane that filters circulating blood from the brain. By using the intrathecal method, stem cells can easily bypass the blood-brain barrier without the use of medication.

In many neurodegenerative conditions like Multiple Sclerosis, Parkinson's, Alzheimer's, Post Stroke Syndrome, and Traumatic Brain Injury, targeting the damaged tissues of the brain helps increase potential outcomes. This type of injection has been used throughout medical history when dealing with the spine and brain for many years and is now being used in the targeted administration of stem cells.

---

## BENEFITS:

- Cells can effectively bypass the blood-brain barrier
- Encourages the homing of cells within the spinal and cranial space
- Local anesthesia is used
- Offers a more powerful and targeted approach

**COST - \$2,000**

---



## Hyperbaric Oxygen Therapy

Hyperbaric Oxygen Therapy (HBOT) provides the inhalation of 100% pure oxygen through a process that uses increased atmospheric pressure. This method in regenerative medicine has been proven to enhance the body's natural healing process by promoting the growth of new blood vessels, increasing bone marrow production, reducing inflammation and accelerating tissue repair. Normally, oxygen is carried through the body exclusively through red blood cells; however, with HBOT, oxygen is dissolved into all of the body's tissues and fluids including the plasma, central nervous system fluids, lymph nodes, muscles, and bones. In areas of the body where oxygenated blood flow has been lost, hyperbaric oxygen therapy can help

reduce swelling and restore function to dormant tissues. Self-reparation cannot occur in certain tissues of the body without the appropriate levels of oxygen present. In many cases, such as cardiovascular, cerebrovascular, neurological, non-healing wounds etc., HBOT is utilized to assist the body's natural ability to regenerate a multitude of cells.

White blood cells (WBC), and inflammation within the tissues of the body are also impacted by the extra amounts of oxygen. A highly oxygenated environment increases WBC count. This allows for the killing of bacteria, the reduction of swelling, and the growth of new blood vessels.





# Hyperbaric Oxygen Therapy

When breathing 100% oxygen in a pressurized chamber the increase of oxygen in the body affects the DNA in each cell. The stimulation of damaged or injured cells promotes the replication of healthy, non-damaged cells using your DNA. HBOT can also be used to alleviate inflammation and pain caused by a wide variety of conditions. Anyone can benefit from hyperbaric oxygen therapy, whether it be preventing future circulatory problems, helping with debilitating inflammation, or addressing an autoimmune condition. HBOT has been used for many years through the medical community and is now being utilized in junction with stem cell therapy to provide an aggressive approach to the treatment of several degenerative conditions.



If electing to include the use of hyperbaric oxygen therapy with your regenerative cell therapy plan, you will

have five scheduled appointments or 'dives'. Each treatment takes approximately 90 minutes to 'dive' and come up from the prescribed pressure. A written prescription from a medical doctor is necessary for the use of hyperbaric oxygen therapy and once properly evaluated by our team, one will be composed with the

proper depth of pressure to fit your particular needs. The treatments take place within a private, free standing clinic where each chamber is constructed of glass and steel with safety guidelines that must be followed for your safety while in the chamber.

There are a few side effects with hyperbaric oxygen therapy caused by the pressure change such as discomfort in the ears or barotrauma. This can generally be address using learned clearing techniques during compression (similar to clearing your ears on an airplane). Some changes in vision may also be noticed during treatment, but like the ear, symptoms are usually minor and temporary. Patients are in constant view and communication with the technician while in the chamber.

---

## BENEFITS:

- Enhances the body's natural healing process
- Stimulates stem cells
- Potentially improves the quality of life
- Increases the synthesis of nitric oxide, which signals the release of stem cells
- Promotes the growth of new, healthy tissues
- Can reduce inflammation, swelling and pain

## Cost - \$3,000

Includes additional hotel accommodations and car services.

---