Stemaid is the only company that brings to the public the potency of Embryonic Stem Cells to treat major degenerative diseases.

Following 10 years of research including 6 years of clinical treatments using embryonic stem cells, ESC, we have acquired a unique understanding of the potency of these cells as well as of their limits.

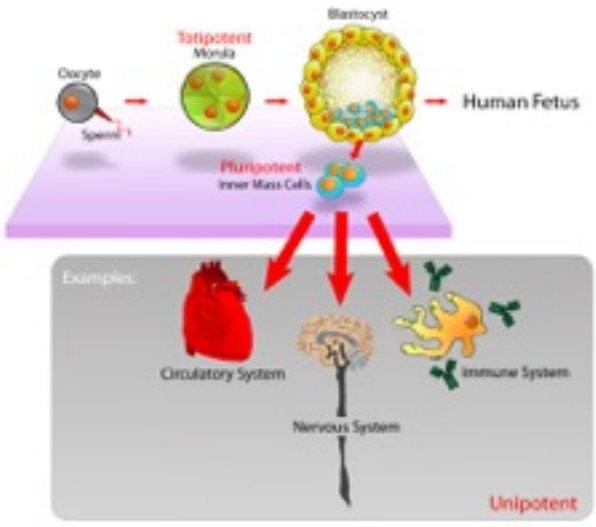
This document describes our products, protocols and what one can expect from them.

## WHAT ARE EMBRYONIC STEM CELLS?

In 1998, human embryonic stem cells were isolated for the first time. Unlike adult stem cells, embryonic stem cells have the ability to differentiate into any of the 221 cell types of one's body: they are "pluripotent". They also hold exclusive information, which they exchange with the cells close to them.

Contrary to what is often believed, embryonic stem cells are not derived from a fetus. They are the cells found in a five day old blastocyst, the early stage of an embryonic formation. Once an egg has been fertilized, it will start to divide until it reaches a stage where it contains about 150 cells. At this stage, about 5 days after fertilization, the cells are separated from each other. The cells that are located at the center of the blastocysts are then isolated and cultured yielding millions of embryonic stem cells that may be used for treatment. Such a line of cells can live for ever when maintained within the right environment.

Stemaid has cultured several generic lines in its laboratories which were created from embryos donated to us 10 years ago by an IVF clinic with the consent of the parents.




We also have developed the capacity to produce one's own embryonic stem cells which we call 'autologous embryonic stem cells'. These cells are the most potent available and the most efficient at repairing one's body since they carry the patient's own DNA information.

## AUTOLOGOUS EMBRYONIC STEM CELLS

A proprietary technique has been developed by Stemaid's scientists which allows us to transform a skin cell from an individual into its own embryonic stem cells by using what is known as a 'cloning' technology.

By introducing a fibroblast (which is one of the cells found in the skin), into an enucleated human egg and 'fusing' them, we can derive what is called a cloned embryo which will behave exactly as the one shown above.

This technique has now developed further as it isn't necessary to use a human egg harvested from a woman anymore. Our scientists are able to trigger the transformation of another human cell into a human egg. It means that they are able to sample cells from one individual and transform them into an egg which can then be fused with another one of these cells and become an embryo of that person from which we can harvest a line of personalized embryonic stem cells. These cells are what we call the autologous embryonic stem cells.

Other teams have been able to reprogram a human cell into a cell that is almost an embryonic stem cell. They call these cells 'IpS' cells. After several tests, it was shown that they do not behave like embryonic stem cells but rather like advanced adult stem cells.
In the case of our Autologous Embryonic Stem Cells , (AESC) , they possess all the properties of embryonic stem cells, without the need of having gone through a fertilization process. In other words, no reproductive step is performed and no human egg or sperm are involved in the making of these AESC. Our team has perfected a method to create your ideal personalized repairing kit in a few easy steps without the need to go through fertilization.

In order to prepare these cells, skin cells must be sampled by one of our doctors. It then takes between 3 to 6 months to derive a line that may be used for ongoing treatments.

## HOW DO EMBRYONIC STEM CELLS WORK?

We have identified that the first method of action of the ESC is 'signaling'. Upon their introduction into the body, the stem cells send information to the whole system through communication channels that are yet to be identified. This information triggers an immediate reaction in the body to begin repair.

Within minutes, the heart produces the same proteins that it produces after an infarction, the 'proteins of repair'. Recent studies have even shown that upon introduction of ESC into the blood, the heart begins to produce its own cardiac stem cells which become new heart cells. The existence of these cardiac stem cells was unknown up until late 2013 and researchers have shown that the heart produces these cardiac stem cells in

abundance after a heart attack, but only for one week. In other words, the heart has only one week to repair after a heart attack. With the use of embryonic stem cells, the heart can repair each time that ESCs are injected.

The same phenomenon is observed in the brain. Within minutes of their introduction into the blood of a patient, the ESCs trigger the production of neural stem cells in the brain and intensive repair processes are observed. Many patients experience dizziness following injection. Some describe their brain activity as an intense buzz. A few patients display mild signs of hypoglycemia within 30 minutes, illustrating how intensely the body is using the blood glucose to provide energy for the repair that is going on in all organs simultaneously. This is one of the reasons why we usually provide patients with healthy green juices or energetic bars while they receive the cells.

The other method of action, which is the one usually described by the media, involves repairing of damaged organs by replacing damaged cells. This is only possible when receiving AESCs as the cells need to carry the same DNA as the patient's in order to be included in their organs. This is why AESCs are the ultimate repair tool as they carry the same information as generic ESCs and can then trigger repair by 'signaling', but they can also contribute by becoming new young cells in an aging body.

## HOW ARE ESC ADMINISTERED?

The Embryonic Stem Cells used by Stemaid are developed following rigorous protocols to ensure the highest quality possible. They are grown without animal feeder layers and thus do not present any contamination concerns. Each dose of Embryonic Stem Cells is prepared just prior to injection and injected while still alive.

In most cases, stem cells are injected intravenously. Patients with specific concerns with their spine or spinal fluid may receive lumbar puncture injections. For patients with joint problems, ESC can be injected directly into the joint fluid.

The quantity of stem cells injected depends upon the weight and condition of the patients. In theory one may receive up to 1 million ESC per kilogram of body weight.

## WHAT DISEASES HAVE BEEN SUCCESSFULLY TREATED WITH STEM CELLS?

The fastest and most impressive results have been observed with diseases connected to brain damage.
**TBI, Stroke, MS, Autism, Depression, Alzheimer, Parkinson, Dementia,** all respond well to ESC therapy. The quantity of stem cells injected ,as well as the rhythm at which they are delivered, vary depending on the disease. Improvements for all these conditions are observed after a minimum of 3 injections. 6 injections are our recommended protocol for best results.

**Heart failure** is a condition which has responded well to ESC therapy for the reasons explained above. Patients and their doctors have seen ejection flows as low as 20% increase to 45% after only two injections.

**Arthritis, bone degeneration and most degenerative diseases** are reversed following ESC therapy. For the diseases of aging, it is recommended to follow a 3 week treatment where patients receive a personalized detox protocol and between 6 to 12 injections, depending on their condition. Patients report reduction of pain and increase of energy. The full anti-aging benefit may take years to become fully apparent. One of the most impressive results was observed at the DNA level where we showed that following 12 injections of ESC, the DNA telomere length had grown back by an average of 14%. The DNA telomere length is a measure of our biological age as each time our cells divide, the telomeres shorten until they are too short to protect the DNA and then the cells die. The shorter our telomere, the closer we are to our 'natural' death. By receiving 12 injections, the participants of our study increased their life expectancy by 14% in addition to the benefits of feeling energized and younger.

**ESC regulate and boost the immune system**. We have observed excellent results in their use to treat auto-immune diseases such as Lupus and Multiple Sclerosis. ESC therapy is the ideal way to rid the body of Lyme disease. Not only does it boost the immune system so that bacteria cannot survive, but they also repair damage done to the brain and heart in those who have suffered for a long period of time from the infection.

The **reproductive system**. Women between the ages of 42 to 54 who no longer had their periods, report the return of their menstruation cycle. Men report an increase of libido and/or the reversal of erectile dysfunction. These positive side effects have been reported in all adults over the age of 40.
Other positive side effects include an increase in the production of collagen resulting in a more youthful appearance, especially in patients who have received a minimum of 12 injections.

The possibilities of treatment with embryonic stem cells are endless as they actually enable the body to heal itself and are not specific to any disease.
For conditions that are not mentioned above, please inquire with our stem cell expert who will give you the latest updates on the best available therapy for any specific diseases.