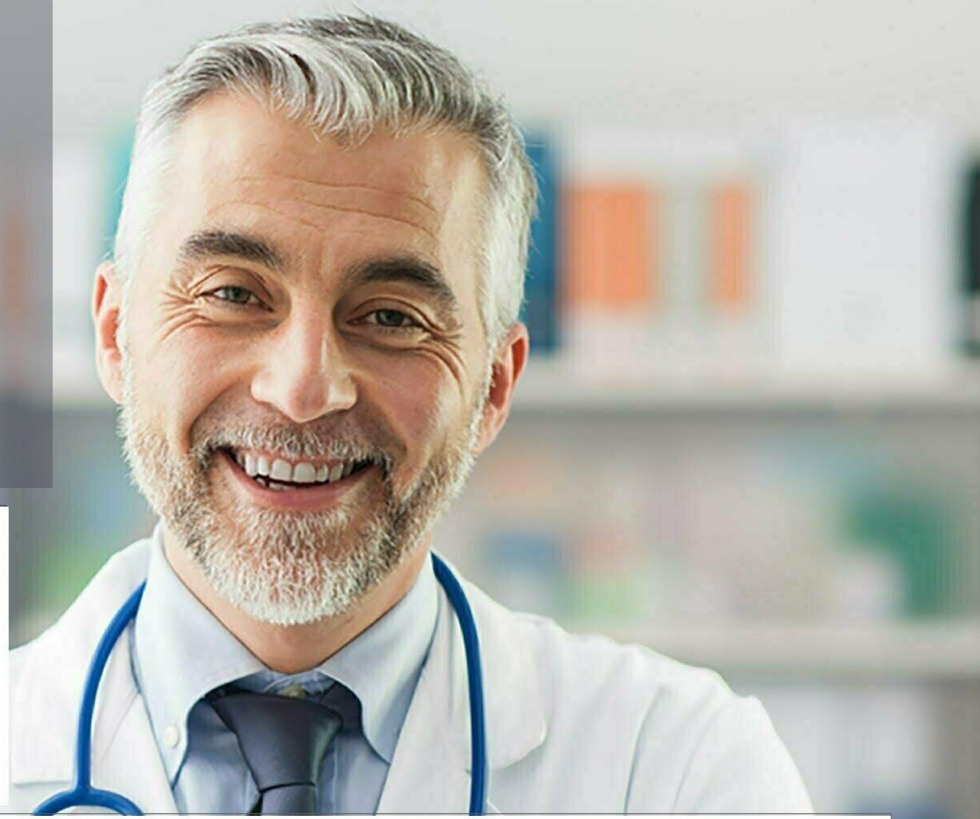
National Wellness Centers

Presents

RECONSTRUCTIVE CELL THERAPY 101



Learn How

National Wellness Centers

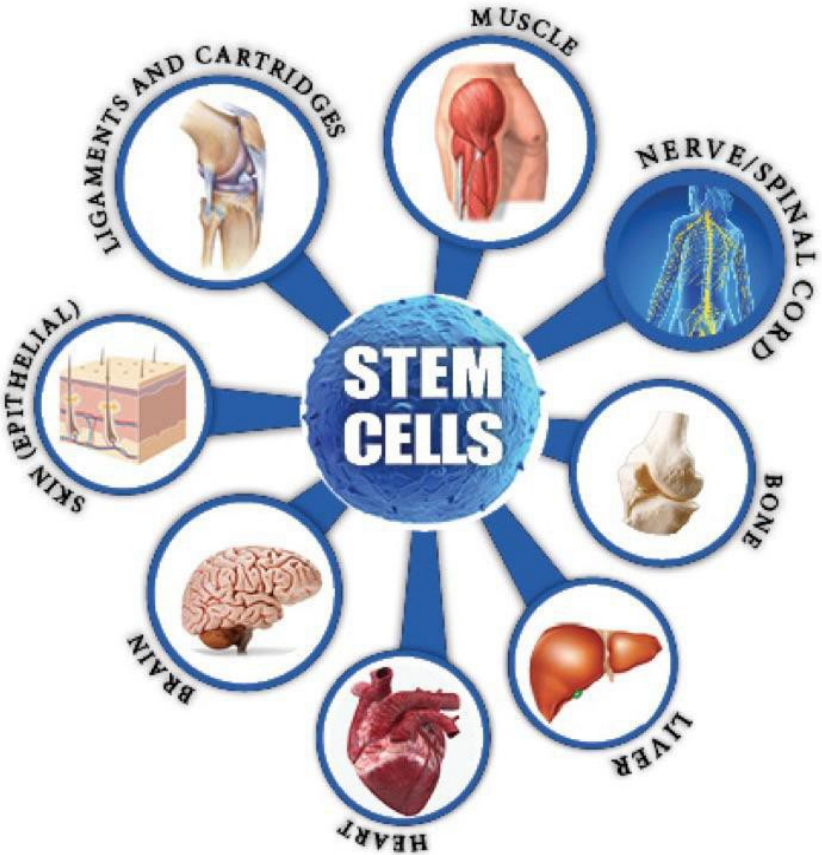
Can Help Your Body

What Are Stem Cells?

Stem cells are the **starting point** from which the rest of the body *grows*. Stem cells are what creates the human being after a sperm and egg meet.

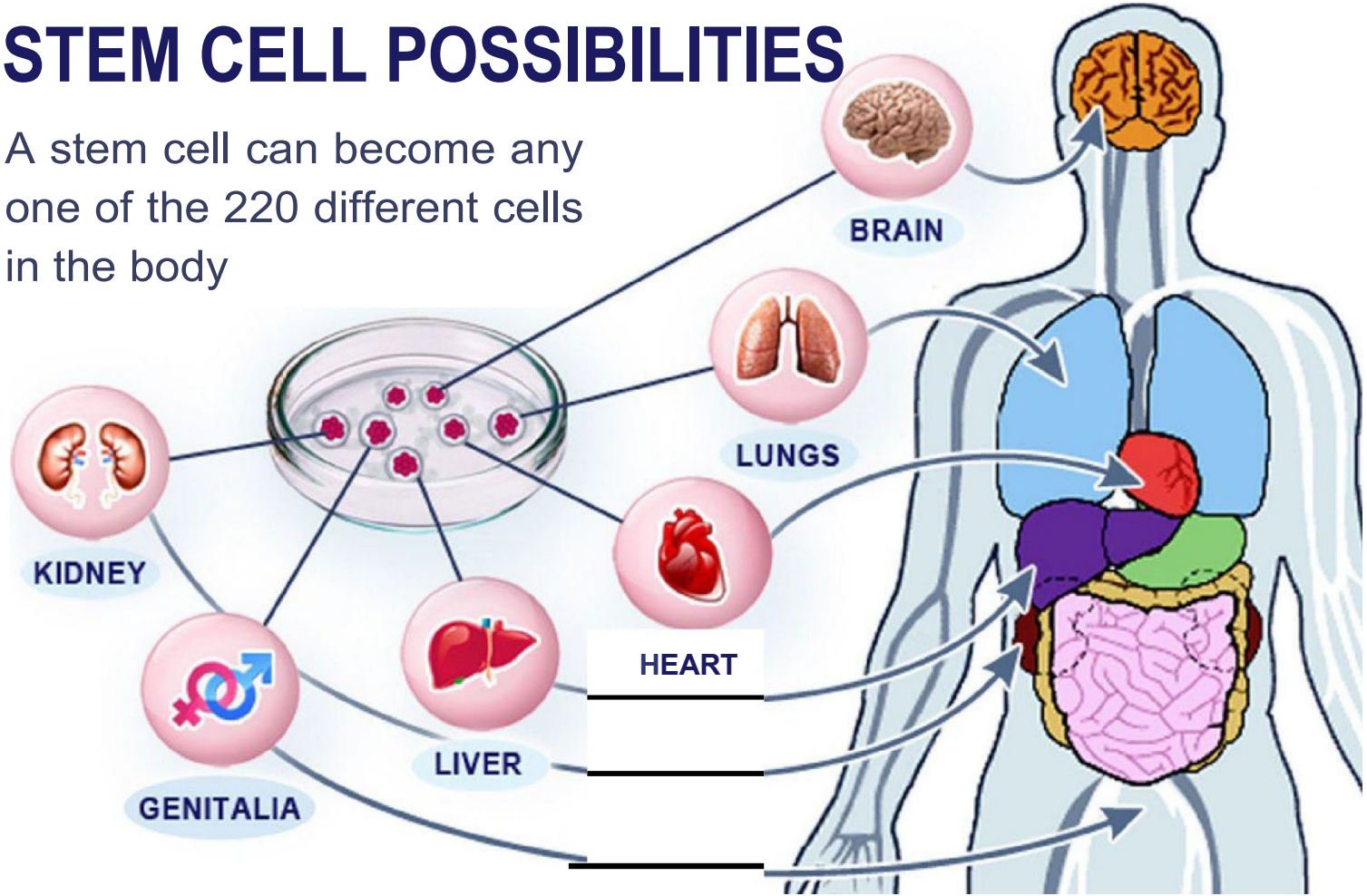
They are responsible for the **creation of new tissues and repair of old tissues**. Our bodies are made up of hundreds of millions of different types of cells specialized for *different tasks*.

Stem cells exist in **every** tissue of our bodies. Stem cells are how our bodies heal every day. Our bodies are constantly healing ourselves.



STEM CELL POSSIBILITIES

A stem cell can become any one of the 220 different cells in the body



What Types of Cells Can Stem Cells Create & Repair?

- **Nerve cells** for the brain and nervous system
- **Muscle cells** for tensile strengths
- **Red blood cells** to carry oxygen
- **White blood cells** to fight infection
- **Gut cells** to absorb nutrients

In addition:

- cells to make hormones
- cells to break down toxins
- cells to store fat
- cells to make hair
- cells to line blood vessels
- *And many more!*

Stem cells can create over 200 cell types. Stem cells can also divide in order to replace themselves.

Some of the Physical Conditions **Regenerative Cell Therapy May Help**

Knee

Shoulder

Hip

Ankle

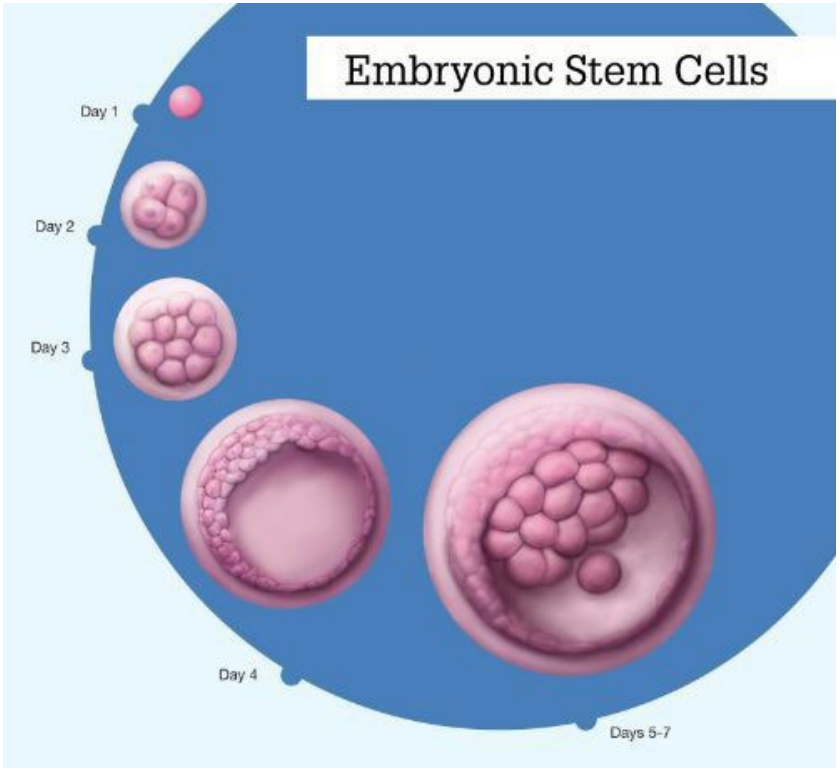
Back

Osteoarthritis

Types of Stem Cells That Exist

- **Embryonic/fetal (ILLEGAL IN USA)**
- **Amniotic**
- **Placental**
- **Autologous** (your own stem cells)
- **Umbilical cord blood stem cells**

Embryonic/Fetal

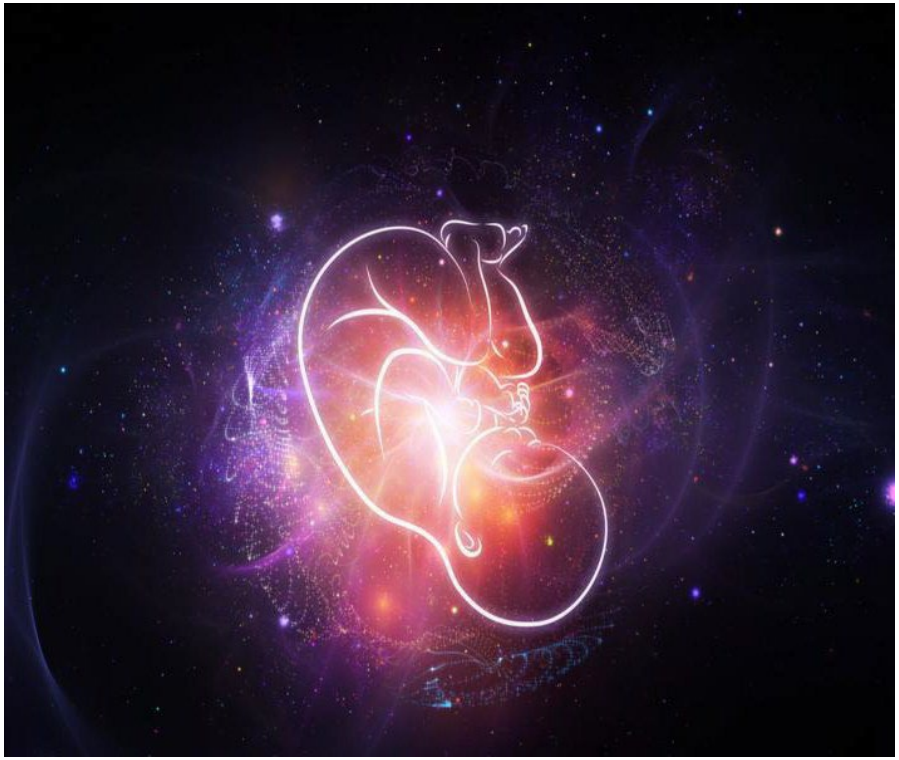


Illegal.

Unethical.

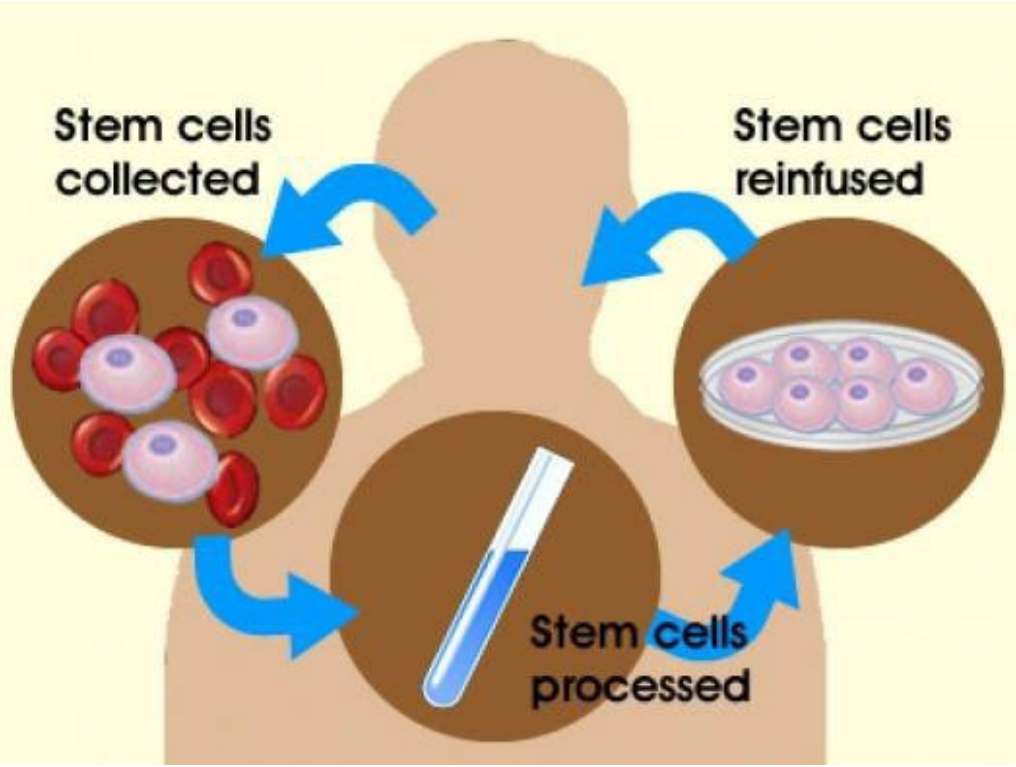
<u>Not available</u> in the United States.

Amniotic & Placental



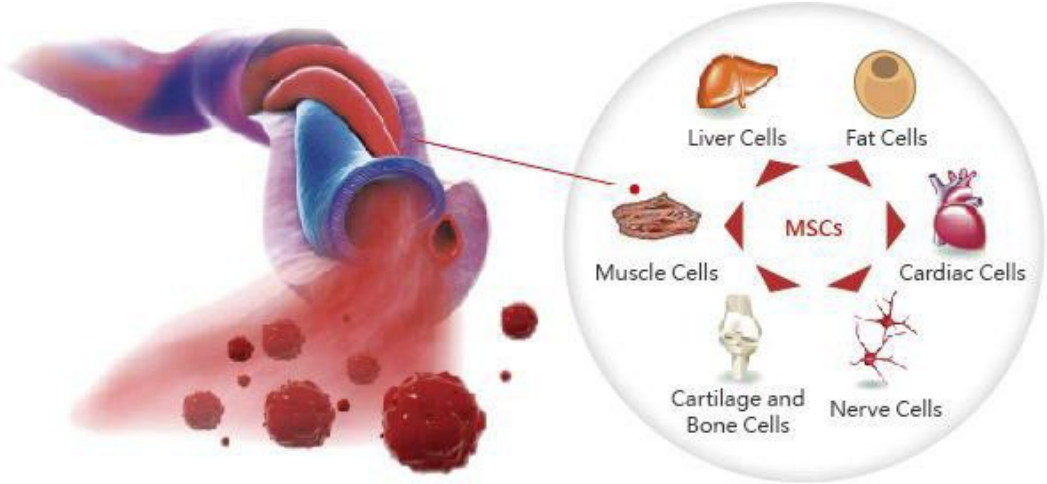
- Extracted from a pregnant mother's **amniotic sac or placenta**
- Chance of 'Human Leukocyte Antigen' (HLA) allergic reaction
- Large amount of **cellular debris**
- *Unverifiable* actual stem cell count

Autologous (Your Own Cells)



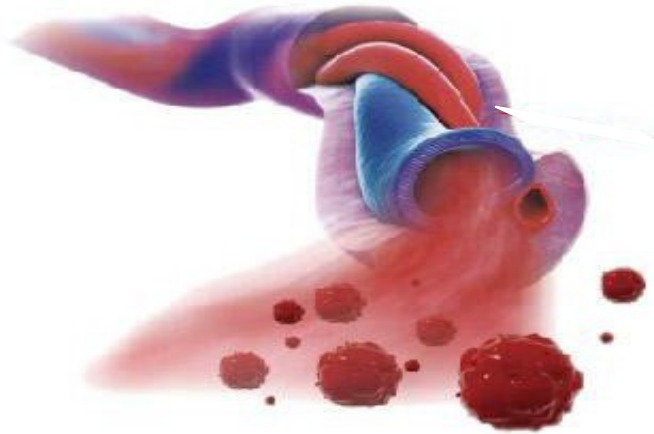
- Stem cells are extracted from patient's bone marrow or fat. (OUCH!)
- **Surgical procedures are** performed to collect bone marrow or fat stem cells.
- Cells are then sent to a lab to be processed and frozen.
- Thawed adult stem cells are then returned into the same patient.
- Increased risk of potential complication, pain, recovery due to necessary surgical procedure.
- Cells are the same age as patients (e.g. 50-year-old patient will have 50 year old stem cells).

Umbilical Cord Stem Cells



- Umbilical cord stem cells are derived from **healthy umbilical cord blood.** These cells are obtained from a *healthy baby & healthy mom*.
- These cells are **only one day old** and are **frozen** in that state. This is essential to their *potency, vibrance, robustness and consistency*.
- Treatment with Umbilical Cord Stem Cells is safe and administered based on **accepted medical practices** - for example injections.
- **Rigorously tested** & screened at an FDA-cleared tissue bank.

Umbilical Cord Stem Cells



Our cord blood bank has attained a prestigious AABB **accreditation** and is responsible for procuring, processing and storing **umbilical cord blood stem cells**.

Accreditations

American Association of Blood Banks

American Association of Tissue Banks

National Institutes of Health

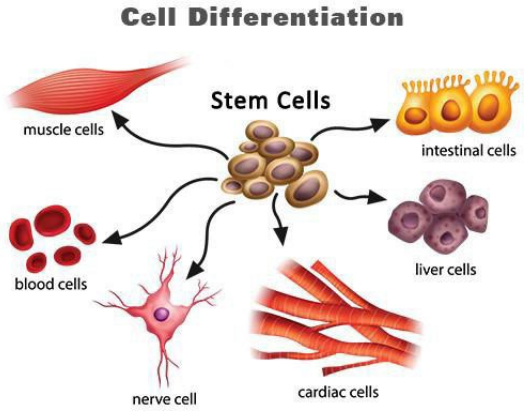
Undifferentiated *vs* Differentiated

“Umbilical Cord Blood Stem Cells”

“Autologous (Your Own Cells)”

Overview:

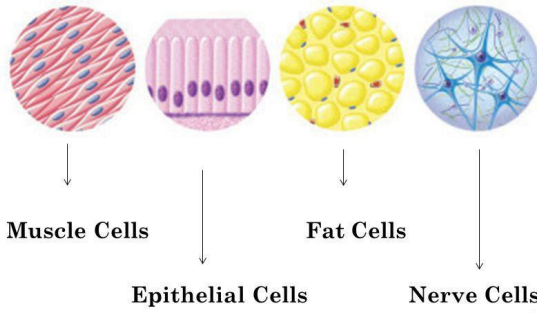
Because cells are only one day old and from a healthy born umbilical cord, those cells may turn into ANY cell your body needs (e.g. bone cells, heart cells, liver cells, skin cells, etc.)



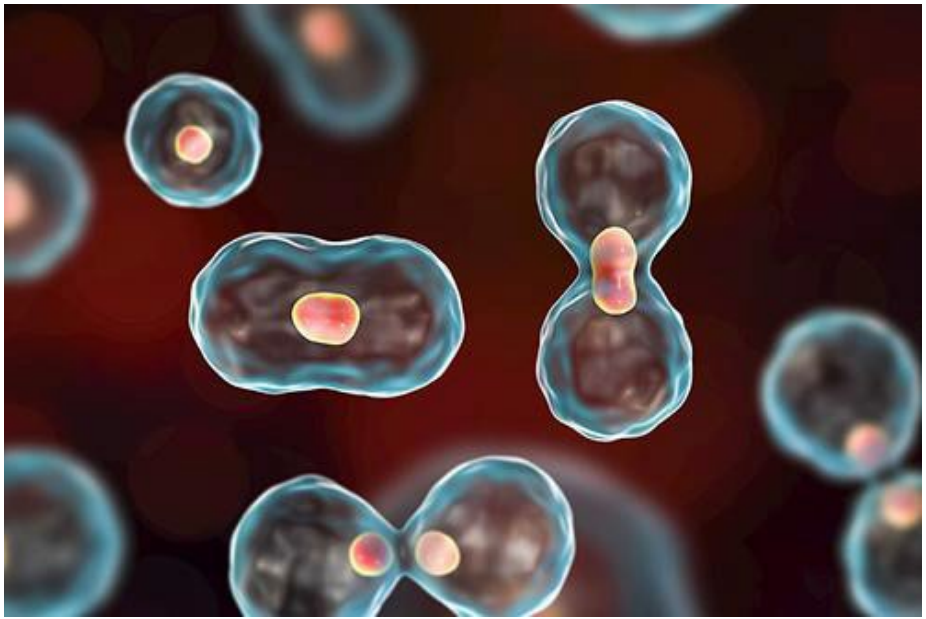
Overview:

Autologous stem cells are already differentiated meaning they may only become the cells they are programed to be. Stem cells extracted from your bones may only become bone cells.

- Examples of differentiated cells in our bodies:



Are Umbilical Cord Stem Cells Really the Best Option for You?



Umbilical cord blood cells are “young”, undifferentiated cells, meaning they can turn into **ANY** cell your body needs (e.g. bone cells, heart cells, liver cells, skin cells, etc.)

Adult stem cells on the other hand, are **already differentiated** and *may only turn into the type of cell they already are* (bone stem cells may **only** turn into bone cells and heart stem cells may only turn into heart cells).

Risks Associated with Amniotic & Placental Stem Cells

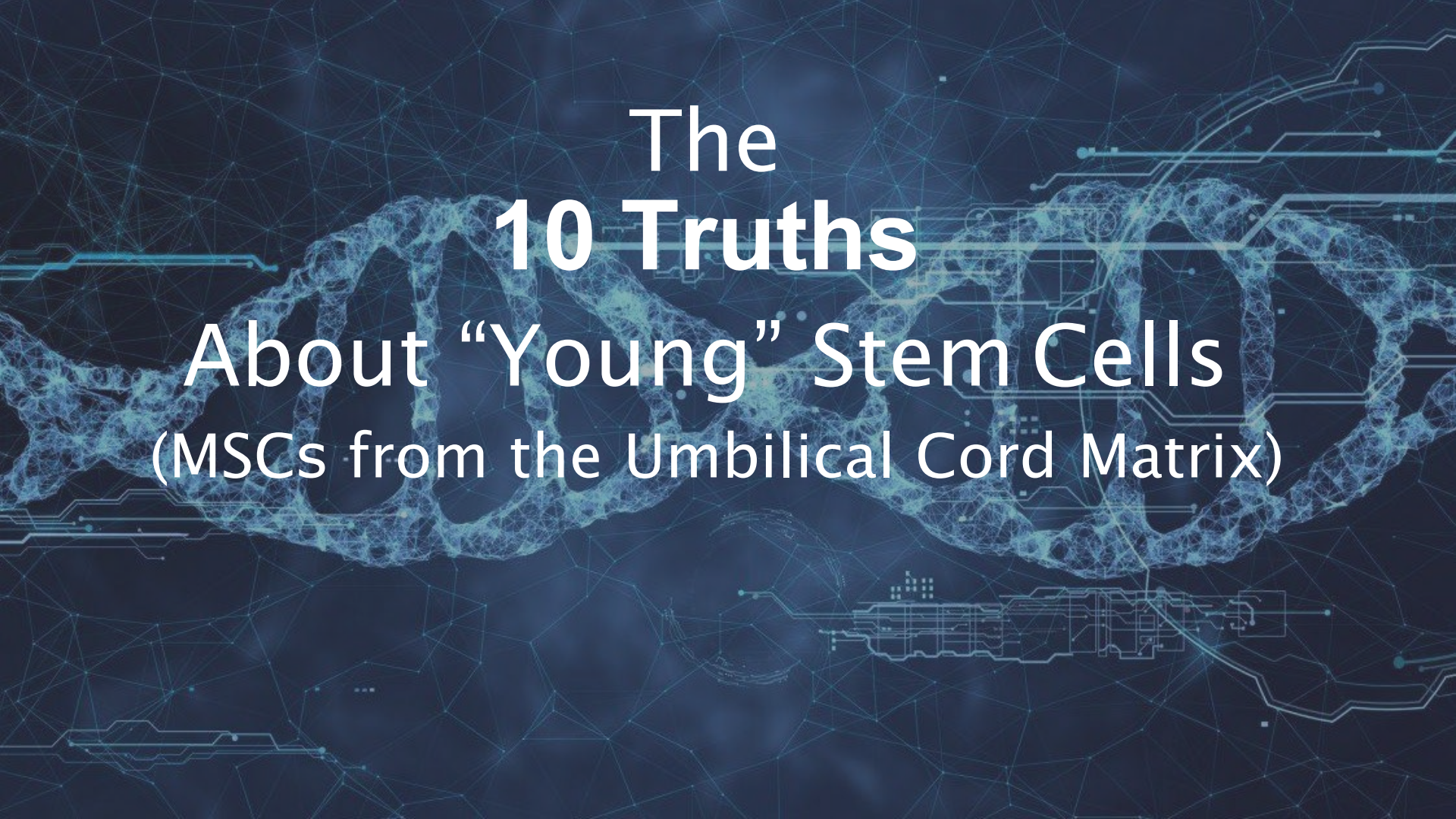
Amniotic & Placental stem cells carry a risk of Human Leukocyte Antigen (HLA) allergic reaction after the recipient has received an injection of these cells.

Which Type of Stem Cells Should You Choose to Restore Your Body Naturally?

There's only **one** kind of stem cell option which fits ALL of the following criteria:

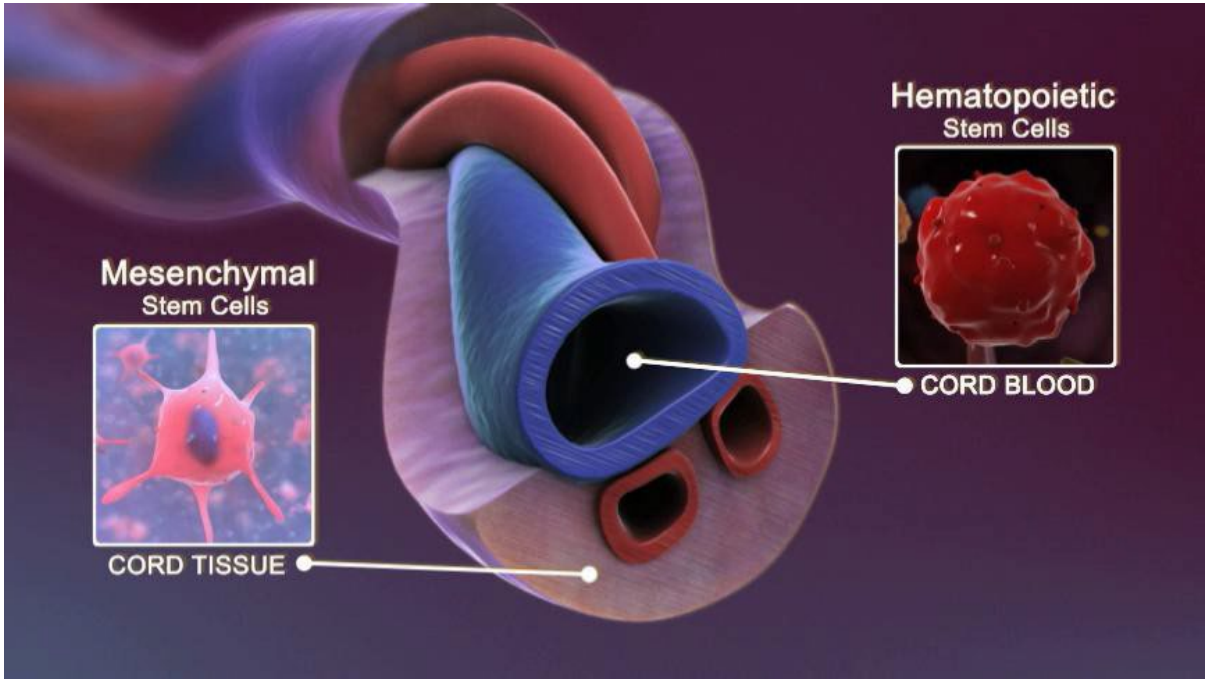
- **Safe**
- **Non-surgical**
- **Fast recovery time**
- **Ethical**
- **Trusted By Medical Practitioners**

Answer: ***Umbilical Cord Blood Stem Cells***


The
10 Truths
About “Young” Stem Cells
(MSCs from the Umbilical Cord Matrix)

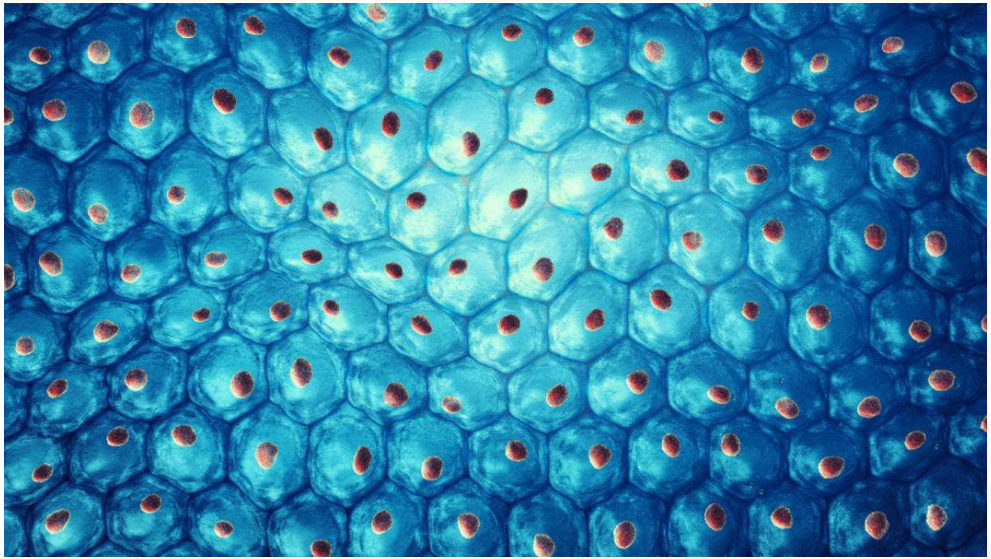
Non-invasive Procedures

Umbilical cord mesenchymal stem cells (MSCs) may be obtained from non-invasive procedures, *unlike* **Autologous stem cells** obtained through liposuction or bone marrow collection, which have an increased risk, cost, and liability.



Fitness Level

Umbilical cord mesenchymal stem cells (MSCs) have a far greater ‘fitness’ level and therefore can **replicate at greater and faster rates**. These cells are used for tissue damaged tissue and tissue defects. (joint related injuries)



Increased Proliferation

Umbilical Cord Mesenchymal Stem Cells (MSC) have a higher proliferative capacity meaning they replicate faster than older cells.

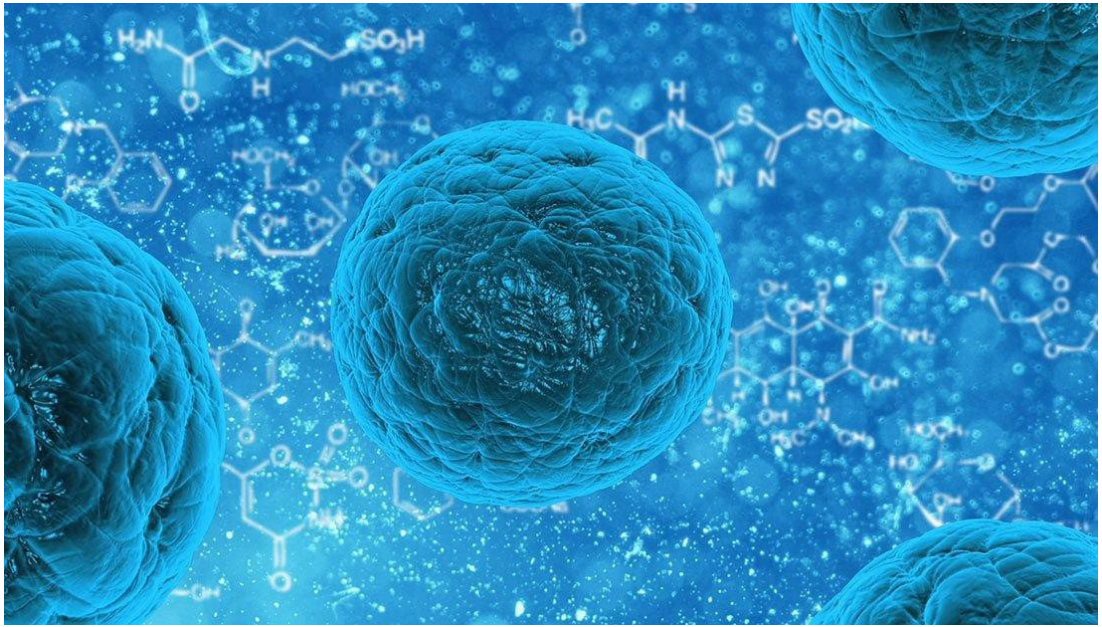
This translates to much **faster healing in recipients.**

Multitude of Cell Types

Hematopoietic stem cells known as HSCs (found in umbilical cord blood (MSCs) can generate **the multitude of cell types** found in the bloodstream, including red blood cells and different types of white blood cells among many others! These cells are used to treat different types of cancers.

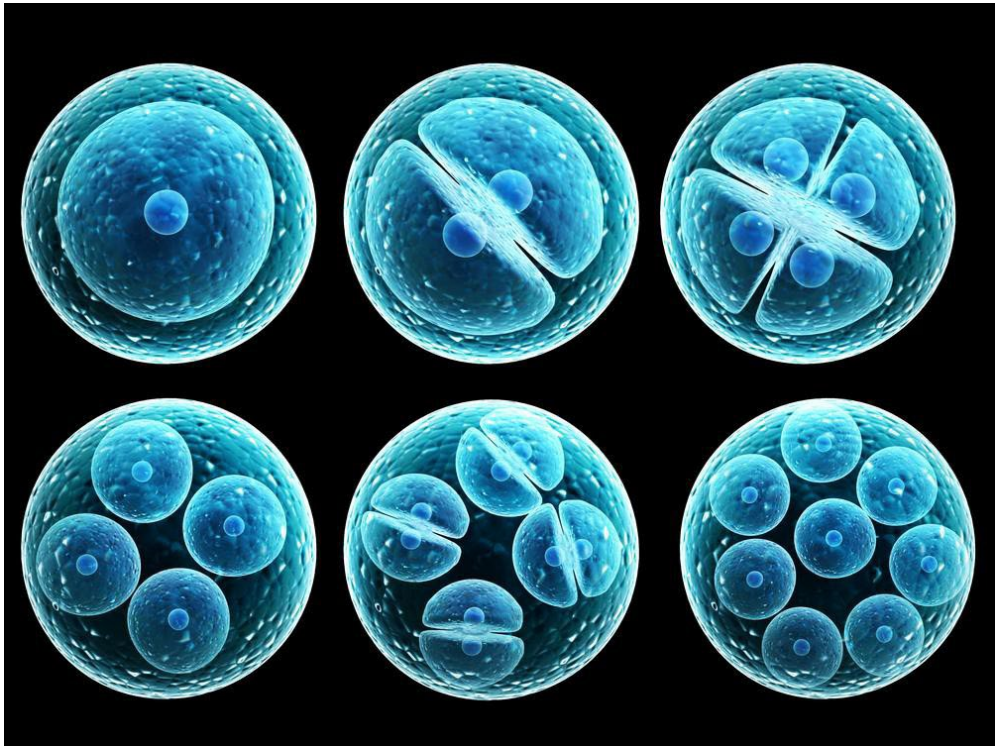
Inflammatory Protective Effect

MSCs have a **stronger inflammatory protective effect** and a strong migratory ability toward the site of inflammation.



Organ Differentiation

MSCs have also been shown to differentiate into nervous system cells, liver, pancreas, heart, and other organs of the body.



Increased Growth Factors

MSCs have a larger amount of different growth factors.

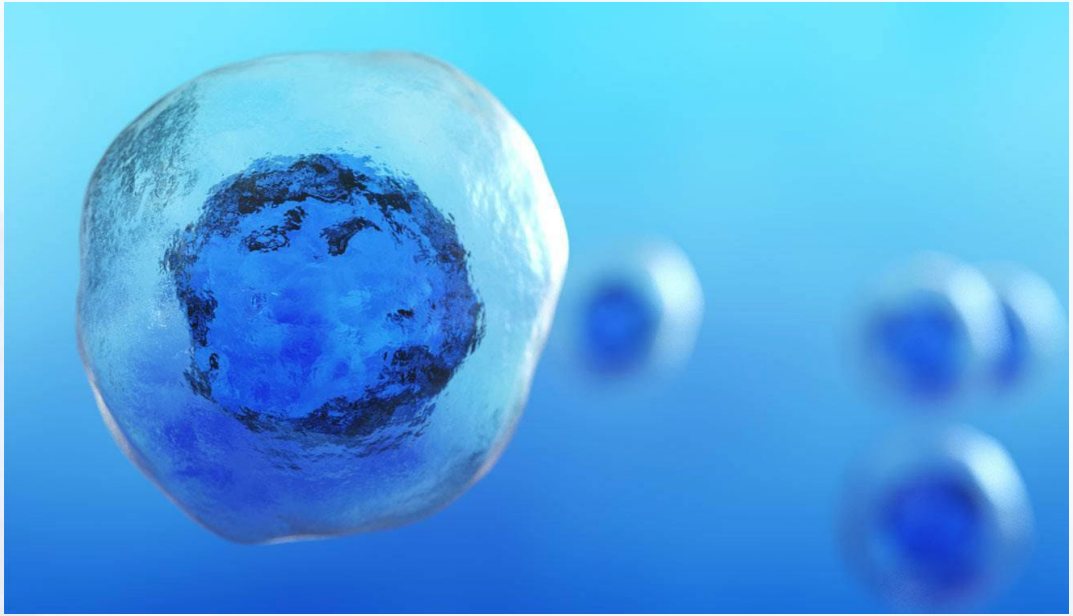
Growth factors typically act as signaling molecules between cells. Examples are cytokines and hormones that bind to specific receptors on the surface of their target cells.

Wider Range of Applications

Backed by 30 years of research, Umbilical Cord Stem Cells have been applied to support people who have symptoms from more than 80 diseases in many countries.

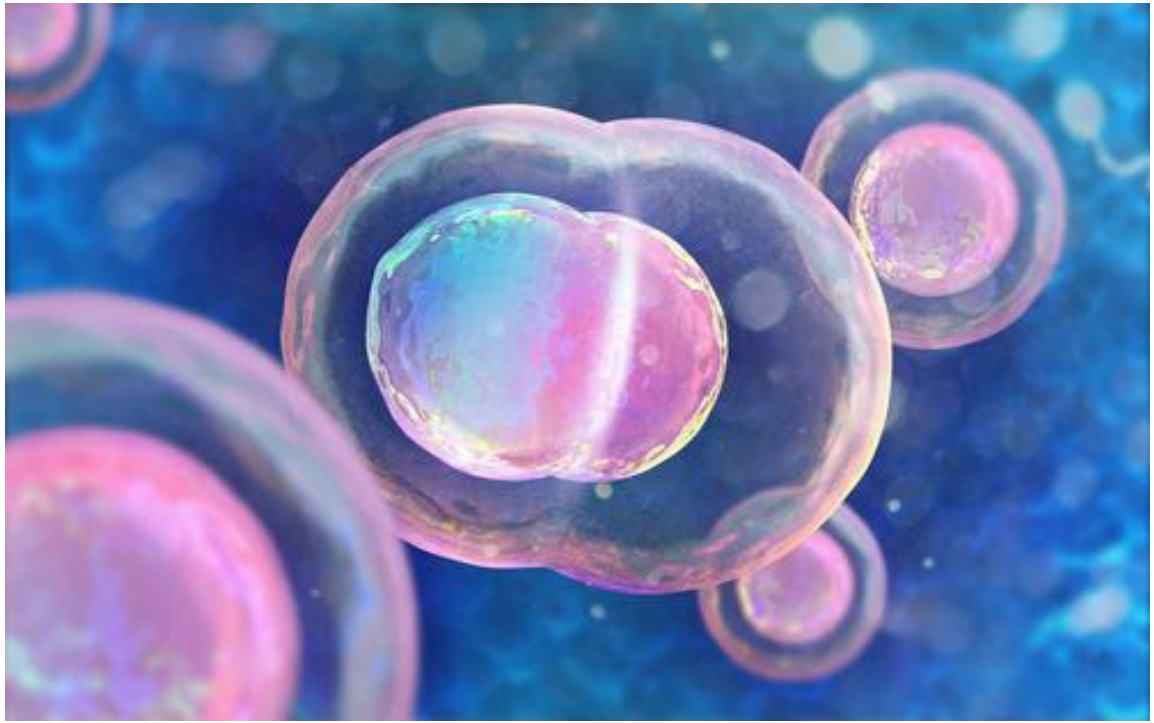
Resistant to Damage

In addition to being more robust, young MSCs sustain less damage and are more resilient to wear and tear than adult MSCs.



Stronger Cellular Structure

MSCs retain the highest possible length of their cellular structure which protects them from premature loss of usefulness.



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Umbilical Cord Blood Stem Cells Have Two Properties That Set Them Apart From Other Cells:

1. **Anti-inflammatory:** These cells do not cause inflammation.

2. **Immunomodulatory:** These cells are capable of modifying your body's immune response. These cells are used to treat certain types of cancers of the blood and bone.

How Are the Stem Cells Collected?

We receive cord donations from tissue banks.
The tissue banks we work with receive cord donations from healthy mothers.

Donors sign a consent form, fill out a detailed questionnaire, and give a blood sample.

The mother's blood and the cord blood undergo extensive testing to ensure sample quality.

After rigorous screening and testing to ensure quality, the collected cord blood is processed to yield maximum amount of stem cells.

They are then cryogenically preserved below -190 C.

Where Should You Go to Get Your Treatment?

"Backed by 30 years of stem cell therapy research, we are currently using regenerative cell therapy for all its health benefits."

-National Wellness Centers

At National Wellness Centers, our goal is to address the underlying cause of disease and not simply treat symptoms.

We've worked hard to become a leading provider for natural solutions to your health challenges.

We offer one of a kind service and customized treatment plans aimed at maximizing results in the shortest amount of time possible.

What Happens Next?

Schedule Consult

Verify Your Eligibility

Receive Stems Cells & Begin Restoration

Book Your Appointment

Once you've scheduled your appointment , we will begin to send you important information you'll want to know regarding your consult prior to arriving.

During Your Consult

Our licensed doctors will determine your eligibility for the procedure. In addition, they will discuss what to expect during the treatment and in the weeks to come. Once you have been deemed a suitable fit for the procedure, we will schedule an appointment for your restorative therapy.

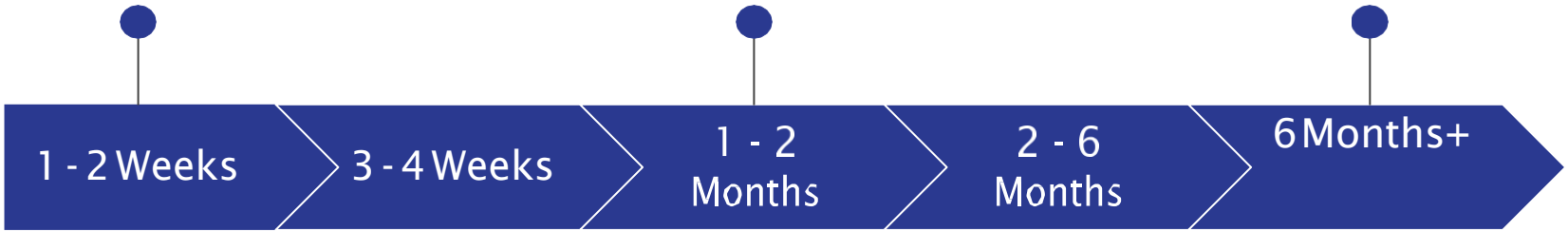
Receive Stem Cells

We will administer stem cells to the necessary area(s). We will then allow 4-6 weeks for the stem cells to begin differentiating. This process restores damaged areas as the cells replicate and regenerate your body!

The Restorative Process

Everyone is different,

however many patients report feeling better within days after their first treatment. You may experience noticeable improvement at this time.



Most patients report a significant improvement within this timeframe.

Many patients have reported outstanding improvements to their conditions within this time-frame.

Most patients have

experienced all the possible benefits of stem cells prior to this time but it is not uncommon to still experience improvements for up to 18 months.

Visit Us Online

WWW.nwc.health

Call to Book Your Consult

800-553-6102