

Stem Cell Treatment for Stroke Patients

Stem Cell treatment for stroke patients through Umbilical Cord Blood at CBC Health provides a positive impact for patients who expect improvement to be better than before.

Although until now research on Stem Cell Treatment for Stroke through Umbilical Cord Blood is still being developed, currently increasing number of patients have been doing therapy with this method and the results are more impactful than other types of stroke therapy.

To what extent can this therapy be of benefit to the patient?

What are the patient's struggles to find the best therapy to combat stroke?

Following is an overview of potential answers:



Why Stroke Can Make People Suffer?

People who suffer a stroke generally suffer not only physically, but also mentally.

Following are some of the conditions that are found common in stroke patients:

- Have vision problems.
- Experience paralysis of arms and/or legs, and balanced problems.
- Difficulty speaking, reading, and writing.
- Difficulty swallowing.
- Problems with memory.
- Tend to be depressed, mood swings, and so on.

Does Stroke Shorten Life?

Yes, some studies have been carried out, one of which is through the Danish Study of Stroke Survival Rates published in the AHA JOURNALS. This study involved 5,262 patients who suffered from stroke with a minimum age of 25 years. It was found that patients who survived their first stroke were five times more likely to die in 1 month - 12 months after the first stroke.

Why Are Stroke Patients so Emotional?

As is known, stroke is a health problem that attacks the patient's brain, where it also affects the patient's behavioral and emotional wellbeing. This is what causes some stroke sufferers to be more irritable, confused, forgetful, and/or depressed.

Is a Stroke Painful?

Yes, as many as 10 percent of people experience severe pain referred to as post-stroke pain. This affliction is usually described as burning, aching, and tingling.

As is known, stroke is a health problem that prevents blood from reaching the brain, resulting in damage to brain tissue. The pain generally will gradually get worse over time if it is not treated seriously.

Can Stroke Patients See Improvement after Cord Blood Therapy?

Yes, according to the review: "A Hallmark Clinical Study of Cord Blood Therapy in Adults with Ischemic Stroke." by Paul R. Sanberg and Jared Ehrhart (Sage Journals, 2019), recent clinical trials have shown that Stem Cell Therapy through Umbilical Cord Blood can provide cognitive and physiological improvements to stroke survivors.

This therapy can promote regeneration and repair of brain cells due to ischemic stroke so that gradual improvement in patients can be obtained several months after undergoing Stem Cell Therapy.

How does Umbilical Cord Blood Treatment Provide Improvement for Stroke Patients?

Stem Cell Treatment for Stroke using Umbilical Cord Blood has been developed and researched by scientists from CBC Health with more than 20 years of experience.

Below are some of the benefits provided by CBC Health to stroke patients:

- Cell Replacement: Boosts restorative effects of progenitor cells.
- Neurotrophic Influence: Neurotrophins reduce cell death and increase cell growth.
- Immune Benefits: Immune modulation and paracrine signaling stimulate cell repair.
- Inflammation Reduction: Promotes cellular healing and cell regeneration.

The way it works is that the patient will get Umbilical Cord Blood infusions over a period of 1 – 2 days.

Stem cells and their secreted proteins from applied Cord Blood will regenerate cells over several months, some potential effects could include reduction in brain swelling and inflammation, save some brain cells that could die, help form new synapses from existing neurons (“neuroplasticity”), and form/regenerating new blood vessels in a stroke patient’s brain.

Here Are the Steps for Making an Umbilical Cord Blood Treatment Reservation at CBC Health

- **Contact the CBC Health for Umbilical Cord Blood Treatment**

The patient can engage with CBC Health through various digital and remote consultative sessions. This will help discuss patient's symptoms, and potential treatment options.

- **Submit Necessary Medical Information**

Submitting patient's latest medical evaluations will help CBC Health's doctor evaluate the case closely and whether they can help the patient through their protocols.

- **Treatment Options and Costs**

If CBC Health can help the patients using stem cells, they will advise the patient accordingly. The qualified team will provide treatment plan as well as estimated cost of the treatment.

- **Scheduling Treatment**

Patients will get a guide for the whole process, as well as get information about the treatment schedule.

- **Preparation and Travel Arrangements**

Patients or representatives from the patient's family can coordinate with the Customer Representative to prepare some of the accommodations needed during the treatment.

- **Starting the Umbilical Cord Blood Treatment**

When the patient arrives at CBC Health, the Medical Staff and Qualified Doctors will be fully responsible for the treatment the patient undergoes.

Patient Qualifications for Umbilical Cord Blood Treatment

Before undergoing Umbilical Cord Blood Treatment, there are several requirements that patients should know. By knowing these requirements, doctors who treat stroke patients will be able to take the best treatment steps.

These requirements are:

- The patient does not suffer from any disease that interferes with his current immune function.
- Patients who have previously received tPA or have undergone endovascular reperfusion are also allowed to undergo Umbilical Cord Blood Treatment.
- Patients must be willing to visit the location or clinic where this treatment is carried out.
- The patient does not have a severe mental disorder.
- The patient has no history of fatal bleeding related to the stroke suffered.
- The patient does not have an active systemic infection.
- The patient does not experience acute heart, kidney, liver, and lung organ failure.
- The patient does not have an active autoimmune disease.
- Not pregnant or lactating women.
- Patients who are detected to have complex conditions that are feared will interfere with the process and safety of the Umbilical Cord Blood Treatment being carried out.

Procedures for Umbilical Cord Blood Treatment

Umbilical Cord Blood Treatment is performed on patients over a period of 3 - 4 days in our day-clinic. Here is a breakdown of the procedure:

Day 1 (Patient Evaluation/Checking)

On the first day, the medical team will check on the patient. In this stage, the patient will follow a series of thorough clinical evaluations, starting from anamnesis, physical examination, and blood analysis.

Day 2 - Day 3 (Treatments)

At this stage, the patient's vital signs (blood pressure, urine output, temperature, heart rate, oxygen saturation, and respiratory rate) will be monitored consistently, i.e. 5 minutes during Cord Blood infusions, every 15 minutes for the first hour, and every 30 minutes for the first 2 hours after the infusion. At certain conditions, and if needed, patients can get close monitoring for 24 hours.

Day 4 (Final Examination)

The day after undergoing the Umbilical Cord Blood Treatment, the patient will undergo a series of final physical evaluations. Patients will also get follow-up information and medical documentation.

Risks of Umbilical Cord Blood Treatment

In the last 25 years, Umbilical Cord Blood Treatment has been transfused more than 40,000 times worldwide. During this process, the researchers continue to observe what side effects or risks that can arise from Umbilical Cord Blood Treatment.

Below are some risks that have a very small percentage to happen:

1. Common Risks

In the General Medical Literature, some Short Duration Risks which are easy to be controllable can also occur when patients undergo Umbilical Cord Blood Infusion. These include:

- Constipation, Diarrhea,
- Headache, Dizziness,
- Allergic reactions,
- Hypertension, Hypotension,
- Varied tastes,
- Mild upper respiratory Tract Infection.

2. Hepatitis B and C

This is also the risk of other diseases that are transmitted due to the blood transfusion process. The chances are also equally very small, which is only 1 in 2 million donations.

3. Creutzfeldt-Jakob Disease (vCJD)

This disease is a very rare type of disease. Generally, the disease is spread by transfusion, but the risk of exposure is very low.

4. HIV

A risk that can certainly occur due to the process of blood transfusion is done. The percentage of this risk is very small. The comparison is only 1 in 2 million donations can theoretically carry or transmit HIV to their patients.

Stroke Therapy Specialists at CBC Health

The presence of Umbilical Cord Blood Treatment is a breakthrough that can provide many advantages for patients. Umbilical Cord Blood Treatment in CBC Health is carried out directly by a highly competent and experienced international specialist, namely Dr. Nils H. Thoennissen.

Here is more information about his profile:

Profile and Experience of Dr. Nils H. Thoennissen

Dr. Nils H. Thoennissen is an international specialist with over 20 years of experience in regenerative medicine, chronic degenerative disease, and cancer. So far, Dr. Nils H. Thoennissen has contributed clinically to Blood Transfusion Hemotherapy, as well as Umbilical Cord Blood.

