

# 5 Blood Disorders that Can be Treated by Stem Cell

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In this highly unpredictable world, the rise of life-threatening diseases is increasing significantly. Sometimes, the baby develops a critical disease even before it steps out in the world. Moreover, these critical diseases can economically hit families as the treatment is expensive, and sometimes, the treatment is not even available.

Blood disorders are life-threatening diseases that prevent the blood from doing its job. Blood disorders increase the chances of blood clotting, which can lead to pulmonary embolism, heart attack, and stroke.

In such cases, [stem cell treatment](#) is effective as it contains magical healing powers and cures life-threatening blood and other diseases, increasing the chance of survival. Read on more if you want to do your best to secure your little one's future from blood disorders that could endanger their life:

## What are stem cells?

Stem cells are specialized cells extracted from the [umbilical cord](#), connecting the mother to the fetus. These are special cells with a unique power cell regeneration and hold the potential to cure life-threatening diseases, including cancerous and non-cancerous blood disorders. In stem cell therapy, the stem cells are injected into the patient, and they have the potential to grow into different specialized cells, like the heart and others. In earlier days, people used to throw away the umbilical cord; until the researcher discovered that it could cure diseases like other medications.

### Blood disorders that can be treated by stem cell therapy

[Stem cell therapy](#) has shown promise in treating various blood disorders. Here are five blood disorders that can potentially be treated using stem cell therapy:

- Leukemia

Leukemia is bone marrow and blood cancer. Stem cell transplantation is the most common treatment option in which stem cells of a patient's bone marrow are replaced by a healthy donor. That allows the production of healthy blood cells.

- Sickle Cell Disease:

An inherited blood disorder characterized by abnormal red blood cells. Stem cell treatment involves replacing the patient's bone marrow with healthy stem cells from a compatible donor.

- Thalassemia

It's a genetic disorder that affects the production of hemoglobin, leading to anemia. Stem cell treatment helps produce healthy red blood cells by replacing the patient's bone marrow with healthy stem cells.

- Aplastic Anemia:

Aplastic Anemia is a medical condition when bone marrow's ability to produce new cells is significantly reduced. Stem cell treatment helps regenerate a healthy bone marrow that can produce normal blood cells.

- Myelodysplastic Syndrome

It refers to a disorder where enough healthy blood cells are not produced in the bone marrow. It can be cured by stem cell treatment, where healthy stem cells from a compatible donor replace the patient's bone marrow.

Instead of looking for a compatible donor which can take time; [cord blood stem cells](#) are immediately available and have a greater chance to cure the disease. Research in stem cell treatment holds great promise regarding regenerative medicine, disease modeling, drug discovery, and understanding developmental processes.

### **Conclusion**

Stem cells are the future of blood disorders and other diseases. However, extracting and storing the stem cells is only a one-shot chance, and you must think about it before your expected due date arrives. [stem cell preservation](#) should be on every parent's pregnancy check-list to secure the baby's future

Cord blood storage can save your little one's life from more than 80 diseases. Visit our [www.cryoviva.net](http://www.cryoviva.net) today and schedule a consultation today!

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