

## Leukemia

Leukemia is an extremely deadly blood cancer designed to greatly multiplies the amount of mutated white blood cells, and greatly reduces the amount of normal red blood cells. It can be both genetic and can be diagnosed later in life. Both genders are in equal risk of getting the disease and it cannot be detected inside of the womb. One way to recieve leukemia is to be around large amounts of radiation. Leukemia mutates the body's white blood cells and causes them to kill parts of the body. Eventually , if not properly treated, it is an instant death. Also, Leukemic people are anemic, which means they don't produce a lot of erythrocytes (red blood cells). This means there is a very low amount of blood in the body, which in turn, dramatically affects your chances of heart failure due to low blood amounts. There are three effective yet risky ways to treat leukemia. One way is to undergo chemotherapy, in which chemicals are placed in the body to eliminate all mutated cells. Option two is radiotherapy, in which the body is filled with radioactive isotopes, which eliminate bad cells. The last and most succesful one is the bone marrow transplant. The patients bone marrow is replant with the marrow of someone with the same blood type. If the blood type isn't the same, the body will reject the new marrow and clot, causing death by a blood clot. These treatments have risk of killing the patient. Symptoms of these treatment are: Nausea, death of hair follicles, stomach aches, bone pain, and fatigue.

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