Chemotherapy and/or radiation therapy is given to the patient.

Infused stem cells are infused into the patient.

Thawed stem cells are infused into the patient.

Chemotherapy and/or radiation therapy is given to the patient.

The cells move through the bloodstream and settle in bone marrow. They begin to grow and produce new red blood cells, white blood cells, and platelets.

The frozen stem cells are stored in a liquid nitrogen tank until infusion day.

Stem cells are collected from the patient's blood.

Collected stem cells are processed and frozen in the laboratory.