

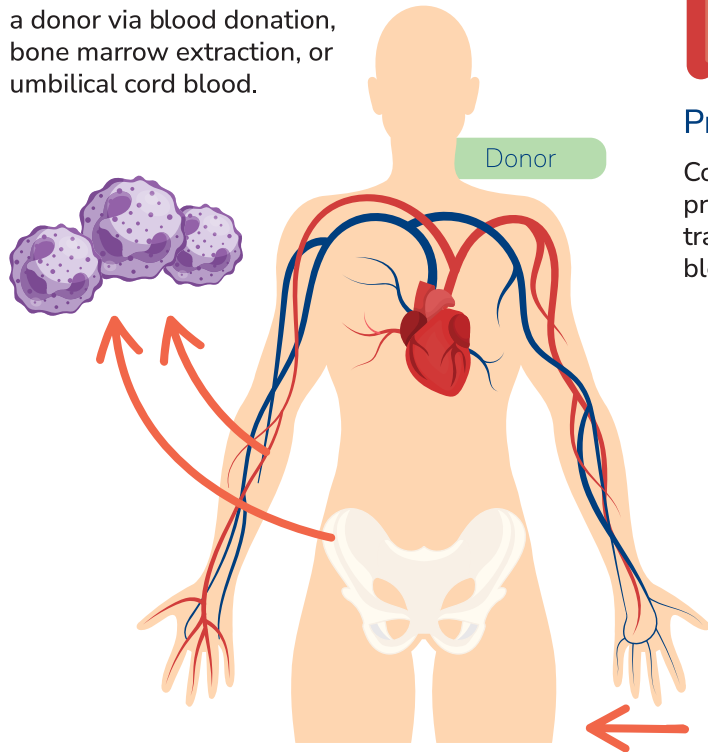


Allogeneic hematopoietic cell transplantation

In an allogeneic transplant, patients receive stem cells from a donor to replace damaged bone marrow and rebuild the immune system.

Collection of donor cells

Stem cells are collected from a donor via blood donation, bone marrow extraction, or umbilical cord blood.

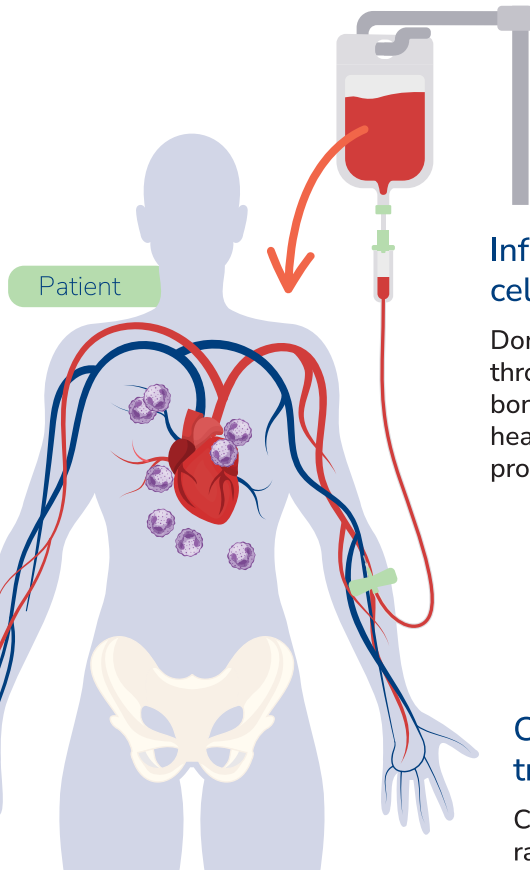


Donor



Processing of stem cells

Collected donor stem cells are processed, stored, and transported while the rest of the blood is returned to the donor.



Patient

Infusion of donor stem cells

Donor stem cells are infused through an IV, engraft in the bone marrow, and restore healthy blood cell production.

Conditioning and treatment

Chemotherapy (sometimes radiation) suppresses the immune system to prevent rejection and prepares the body for transplant.

To learn more about allogeneic hematopoietic cell transplants and what to expect, visit [MedStarHealth.org/Allo](https://www.MedStarHealth.org/Allo).