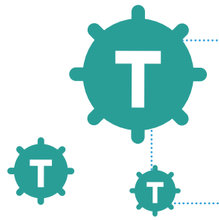
From T cell → to CAR-T cell

CAR-T therapy (or chimeric antigen receptor-T cell therapy) is a treatment that genetically modifies your T cells to identify and destroy cancer cells. This process of collection, genetically modifying, and return of your cells may take several months.

1 Collection

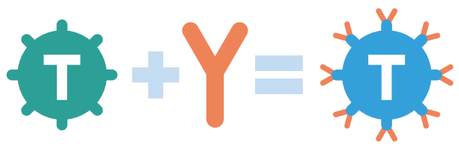
Your blood is collected, and white blood cells are separated (including T cells), then the remaining blood is put back in your body.



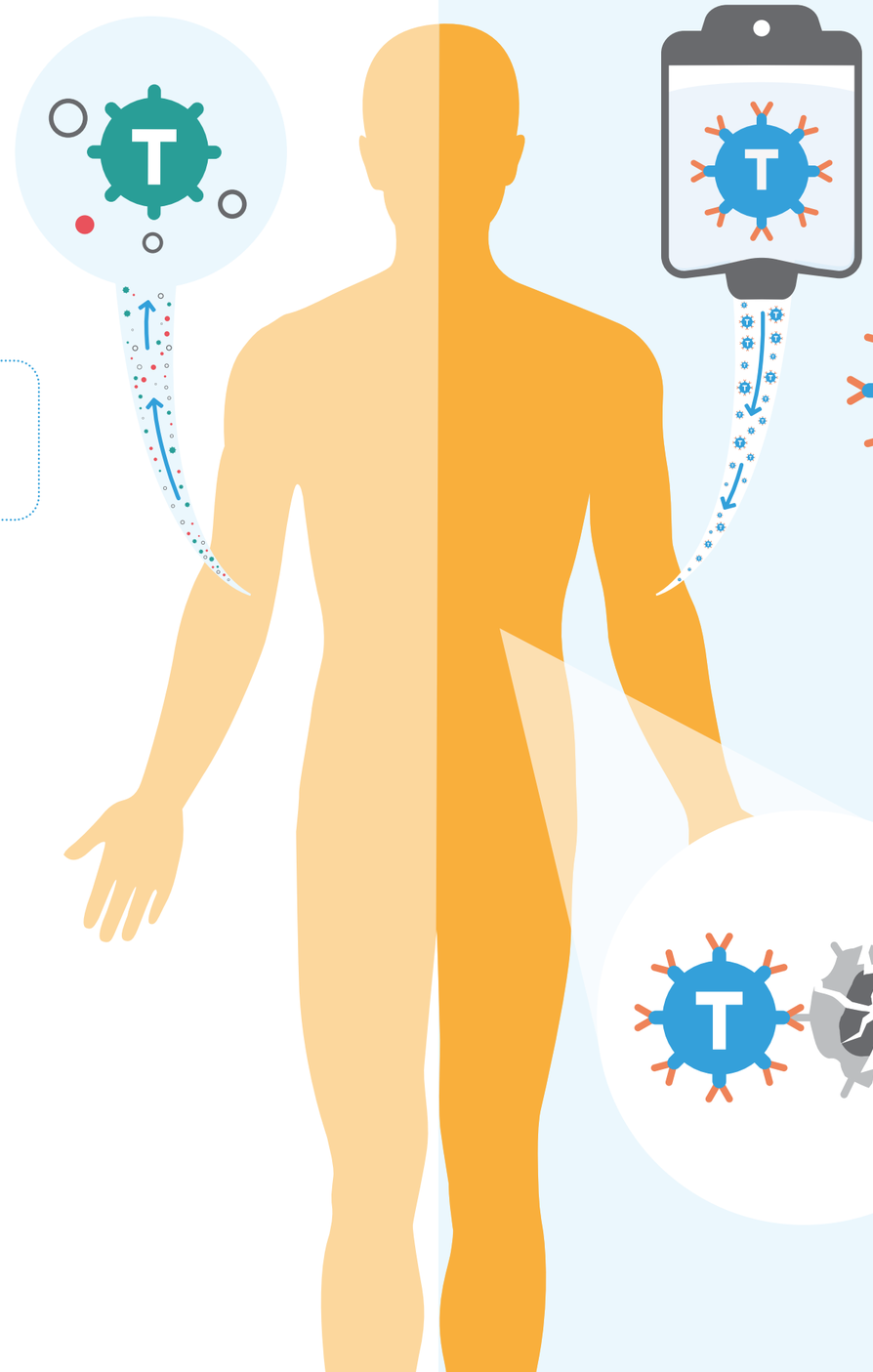
T cells are immune cells that monitor for and attack infection or disease.

2 Genetically modifying

The white blood cells are shipped to a manufacturing site where the T cells are separated and then genetically modified to identify and attack cancer cells. These CAR-T cells are then multiplied and shipped to a Certified Treatment Center.

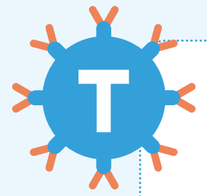


T cell **Chimeric antigen receptor (CAR)** **CAR-T cell**



3 CAR-T Infusion

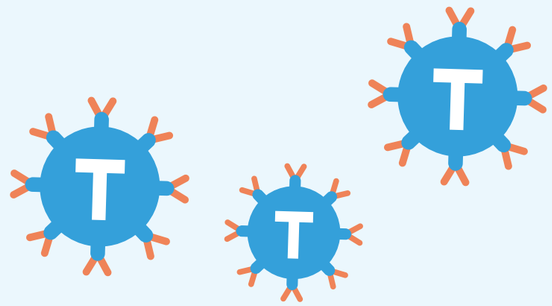
Once your CAR-T cells are received at the Certified Treatment Center and you are ready, they are put back into your body through a one-time intravenous (IV) infusion.



CAR-T cells are T cells that have been genetically modified to find a protein that is on the surface of cancer cells and some other cells and destroy them.

4 Expansion

Your CAR-T cells continue to grow in number in your body. The CAR-T cells then find and kill cells that have the target on their surface.



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