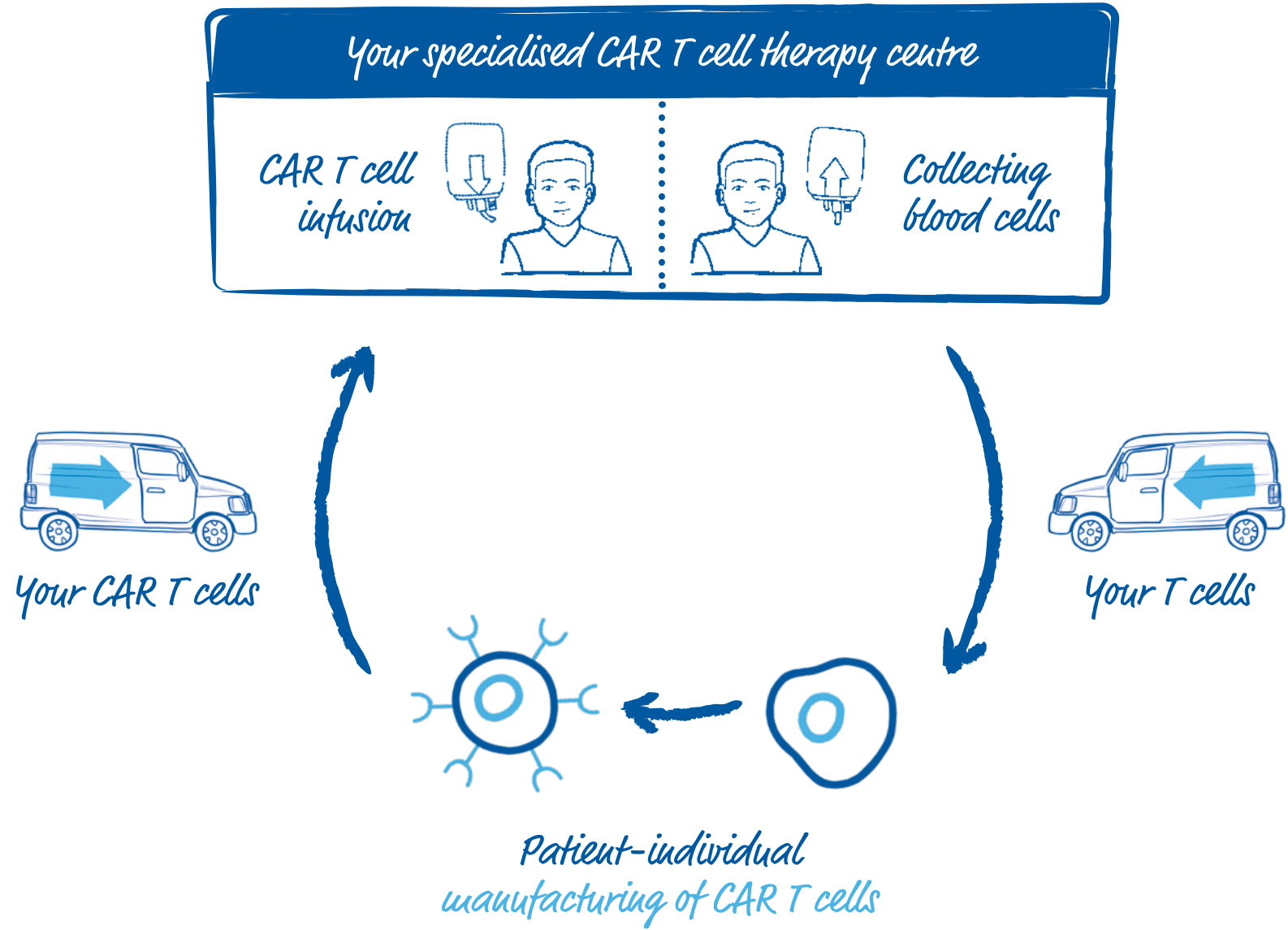


What happens in CAR T cell therapy



You can find further information about CAR T cell therapy and other treatment options at www.onkologie-iu-wandel.de

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WHAT IS CAR T CELL THERAPY?



CAR T cell therapy is what is known as immune therapy, where the patient's own immune cells are modified so that they can detect and destroy cancer cells. This approved therapy can be used to fight some aggressive forms of blood cancer.

We'd like to use this flyer to familiarise you with the most important information about CAR T cell therapy.



What are CAR T cells and how do they work?

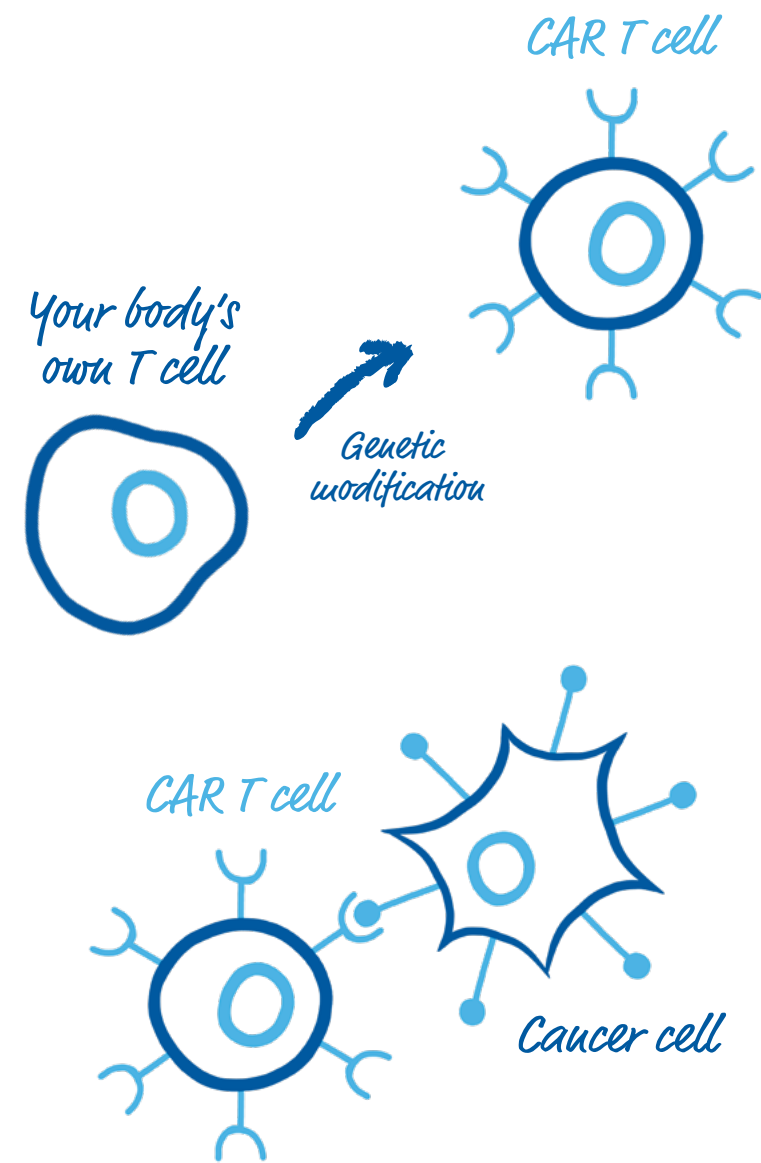
T cells are an important component of your body's own immune system. They are important for defending the body against various pathogens and for fighting cancer cells. Unfortunately, some cancer cells can hide from the T cells and thus multiply unnoticed in the body. This is where CAR T cell therapy comes in.

In this therapy, your own T cells are collected, genetically modified and then subsequently given back to you by a drip (infusion).

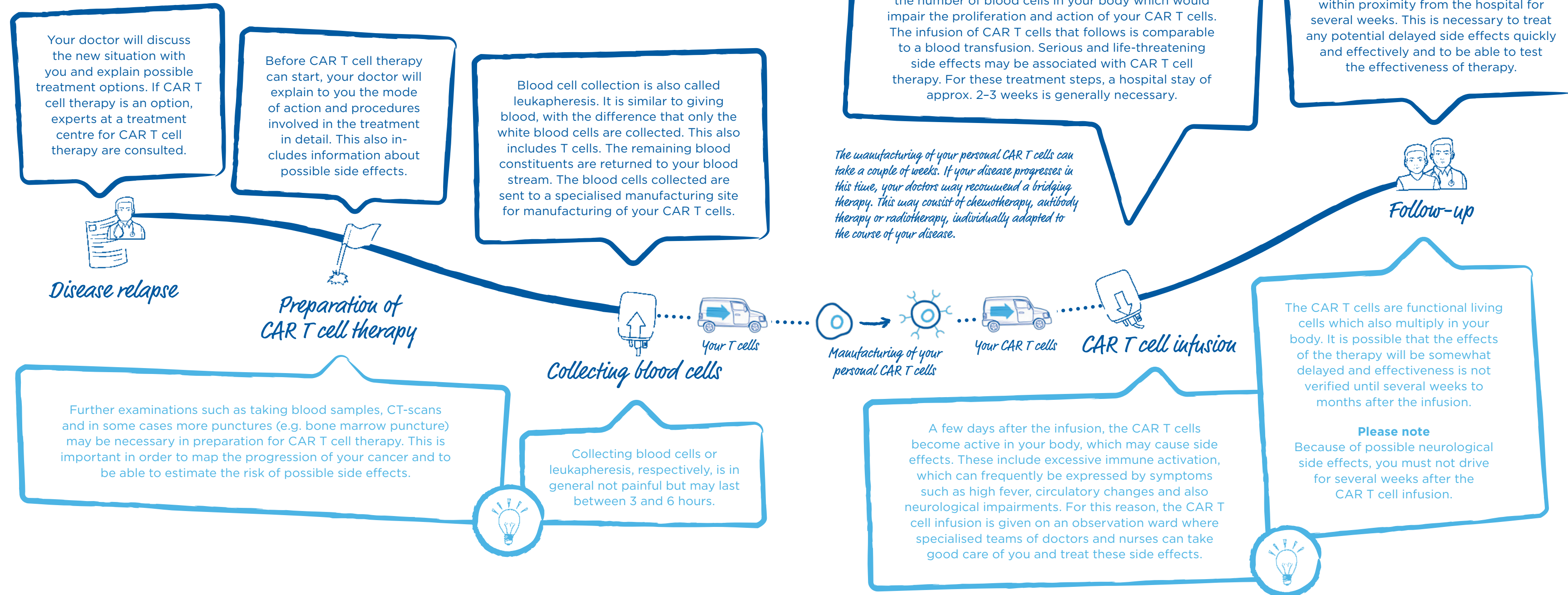
These modified T cells are now called CAR T cells, because they carry on their surface what is known as the chimeric antigen receptor* (CAR).

The CAR helps the CAR T cell to detect the cancer cells in the body, as it can recognise special structures on the surface of cancer cells and destroy the cancer cell.

This therapy for the treatment of certain blood cancers can be administered at specialised centres only. Please ask your oncologist whether this therapy can be considered for you.



The CAR T cell therapy journey



* The chimera is a mythical creature which combines the traits and abilities of various animals. You can think of the chimeric antigen receptors as being similar. The antigen receptor combines the abilities of various proteins.