CAR T-cell therapy
Here is how it works.

Step 1

Blood is drawn from the patient and T-cells are separated out.

Step 2

T-cells are genetically altered to have chimeric antigen receptors (CAR), designed to activate the cells.

Step 3

Over 3 to 4 weeks, the CAR T-cells multiply, creating millions of supercharged immune cells.

Step 4

To prepare for treatment, the patient receives a low dose of outpatient chemotherapy.

Step 5

Patient is admitted to the hospital. CAR-T cells are infused into the patient's blood.

Step 6

Patient remains in the hospital 7 to 14 days to monitor possible side-effects.

MedStar Health | MEDSTAR GEORGETOWN UNIVERSITY HOSPITAL