## **CAR T Cell Therapy Myths Debunked:**

## Your guide to what cell therapy is (and isn't)

Living with blood cancer can feel overwhelming, especially when it comes to making treatment decisions. It's important to understand what cancer treatment options are available and how they differ by asking questions and working with your healthcare providers to determine the most appropriate path for you.

Chimeric antigen receptor (CAR) T cell therapy is an innovative treatment that's FDA-approved for certain blood cancers. Because of the cutting-edge science behind it, CAR T cell

therapy may sometimes be misunderstood. Keep reading to learn the facts about this treatment.

CAR T cell therapy is too new, and it has only been studied for a couple years.

CAR T cell therapy development timeline

CAR T cell therapy has been researched for over 30 years.

First generation of

**CARs** engineered

Fact

First used in a clinical trial to treat a specific blood cancer in humans



received FDA approval

First CAR T cell therapy



cell therapies are approved in multiple

Now, several CAR T

1993

2010

autologous stem cell transplant.



blood cancer indications

2017

Present Day

Since 2017, CAR T cell therapies continue to demonstrate effectiveness and safety in clinical trial outcomes for people with certain blood cancers. Beyond clinical trials, similar results have been seen in the "real world," meaning results have been collected from patients who received CAR T cell therapy after the treatment received FDA approval.

CAR T cell therapy is only used as a last resort, after chemotherapy and



For certain blood cancers, CAR T cell therapies may be used as early as after



cell transplant. Your doctor

relapse or failure of initial treatment, which may or may not include a stem

CAR T cell therapy if your disease has:

may recommend



CAR T cell therapy is the same as an autologous stem cell transplant.

What it is?

or



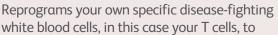
(refractory)

Autologous CAR T cell therapy

target your cancer

not target cancer directly

Autologous stem cell transplant



They are different types of treatments.



How it works? Reprogrammed cells continue to multiply in your body to work to target and attack cancer cells long after the infusion occurs

to stem cell transplant.



May act as a "rescue" to the bone marrow from the toxic side effects of high doses of chemotherapy and radiation used to treat

the cancer by restoring your body's ability to produce new blood cells after treatment

Autologous stem cell transplant

• Includes apheresis (removal of stem cells from the blood) or bone marrow harvest,

infusion and adverse event monitoring

· Autologous stem cell transplant center

Option for outpatient setting or inpatient

setting, as determined by your doctor and

Inpatient transplant typically requires

a hospital stay before, during and right

freezing cells until you're ready for transplant,

been treated with high-dose chemotherapy

Typically spans 2-7 months

or radiation

Uses your own stem cells (harvested from either

your blood or bone marrow) to replace cells that

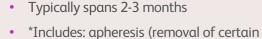
have been destroyed by cancer therapy but does



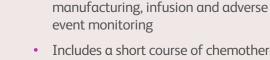
takes 30 minutes, whereas an autologous stem cell transplant infusion can last 1-5 hours. Other key factors include:

The CAR T cell therapy process\* includes a one-time infusion that typically

Receiving CAR T cell therapy is a long, difficult infusion process compared



CAR T cell therapy



- Includes a short course of chemotherapy before CAR T infusion to prepare the body to receive modified cells
  - \*These may not be the only steps required in the process. Full infusion appointment includes additional steps and will vary in length. Treatment location

Certified CAR T cell therapy center

Option for outpatient setting

types of white blood cells from the blood),

(no hospitalization needed), if determined by your doctor Inpatient (requires hospital stay)

hospital before, during and right

after treatment, as determined

## Can only be done after the cancer has

Treatment process



- infusion requires you to be in the
  - by your doctor
- effects including cytokine release syndrome (CRS), neurotoxicities and other adverse events Side effects may require treatment in the hospital Must stay within close proximity of

treatment center during the 30 days

following treatment

Monitored for at least 30 days following the infusion for potential serious side

- The side effects of CAR T cell therapy outweigh the benefits this therapy can provide.
- after treatment

the hospital

following treatment

Monitored for 100 days following the

Must stay within close proximity of

treatment center, as defined by your

treating physician during the 100 days

Side effects may require treatment in

treatment center

## transplant to ensure your blood counts recover, and once they return to normal, the immune system takes several months to recover

Adverse event monitoring



for 8 weeks post infusion Long-term monitoring for side effects, disease status and other cancers

Must not drive or operate heavy machinery

This does not encompass all the possible side effects of CAR T cell therapy, as they will vary from person to person based on a variety of factors, including what CAR T cell therapy you are prescribed. CAR T cell therapy trained healthcare providers are trained to spot and monitor for serious side effects. Prior to

responds too aggressively to a treatment

Neurologic toxicities - side effects that affect the body's nervous system

you should seek immediate medical care.

or infection

treatment option(s) has stopped working.



The most common side effects, which can be

severe or life-threatening, include: first week after CAR T cell therapy and peak within one to two weeks after infusion but Cytokine release syndrome - condition that can occur later in some cases develops when your immune system

CAR T cell therapy may increase your risk of getting secondary cancers, including certain types of blood cancers.

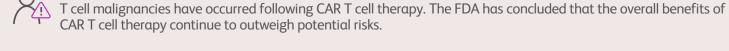
\*The treatment process can take approximately 2-3 months and includes: apheresis (removal of certain types of white blood cells from the blood), manufacturing, infusion and adverse event monitoring.

If you are eligible to receive CAR T cell therapy, your doctor can

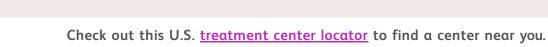
treatment, you should speak to your doctor about the possible side effects you may experience and when

CAR T cell therapy side effect information

Research demonstrates that, with a single infusion\*, CAR T cell therapy has been effective at producing improved outcomes in patients where another



- **Myth** My treatment center doesn't offer CAR T, so I probably can't get it.
- refer you to a certified CAR T cell therapy center. Staff at certified treatment centers are trained on how to deliver treatment and support to patients during every step of the process. Following CAR T cell treatment and adverse event monitoring by the certified CART cell therapy center, you can return to your



cover CAR T cell therapies.

The number of certified treatment centers continues to grow, with sites available

These side effects typically occur within the

Your CAR T treatment team is trained to

manage the side effects

CAR T cell therapy is too expensive, and insurance doesn't cover the cost.



For Medicare patients, CAR T cell therapies are covered for all FDA-approved indications under the National Coverage Determination.

Cancer treatment costs can be a very important consideration for patients.

The majority of commercial insurance plans and most government payers

requirements may apply and vary by program.

Want to learn more about CAR T cell therapy? Consult your care team to see if this treatment is right for you, or <u>find a certified treatment center</u> near you.



around the U.S.

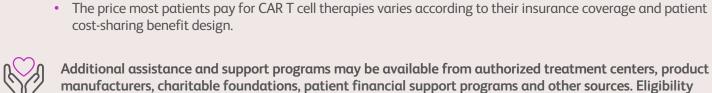
referring physician for follow-up care.

















© 2024 Bristol Myers Squibb. All rights reserved. HE-US-2400951.12/24.