



বাংলা



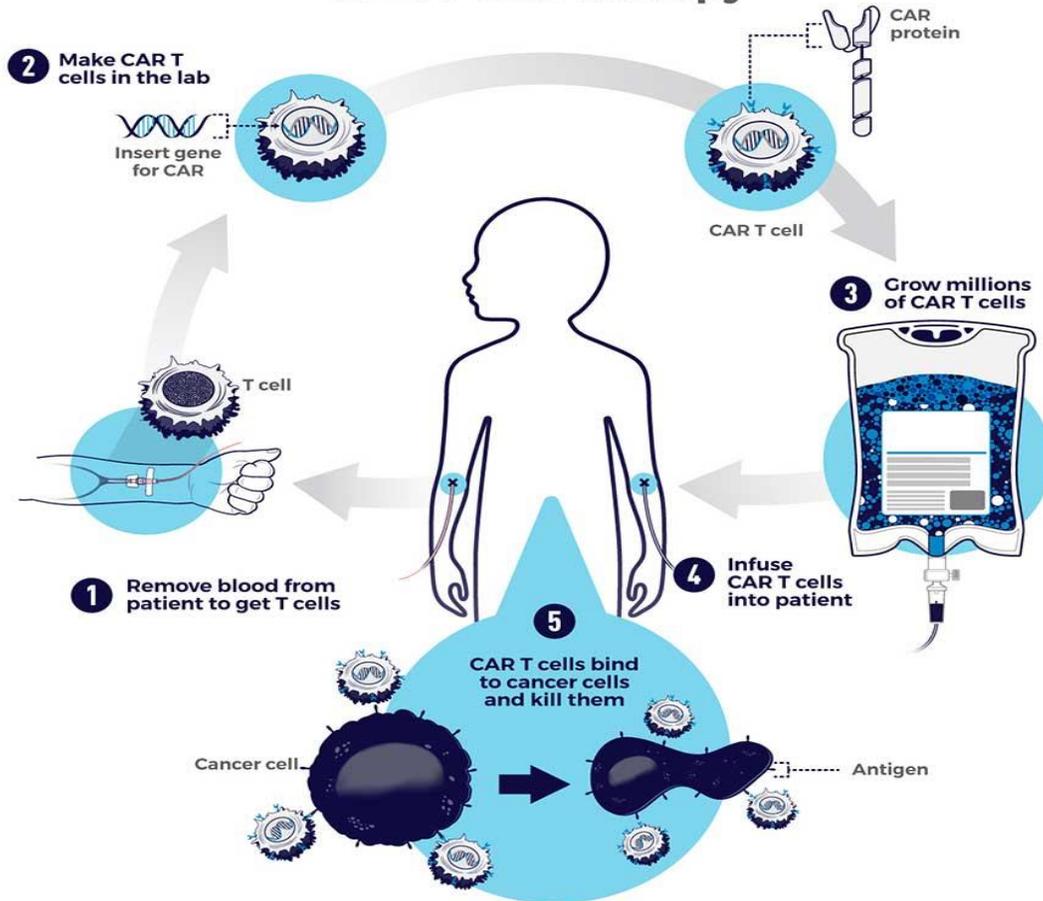
14 October 2023

International & National News

<p>'World Athlete of Year' award</p> 	<p>Context Neeraj Chopra was named as one of the 11 nominees for the 2023 men's 'World Athlete of the Year' award.</p> <p>Key points:</p> <ul style="list-style-type: none"> • Olympic and World champion javelin thrower. • The winners of the 'World Athlete of the Year' award will be revealed on World Athletics' social media platforms on December 11.
<p>Cricket will be part of the 2028 Olympics</p>	<p>Context</p> <ul style="list-style-type: none"> • Cricket to feature in 2028 Olympics <p>Key points:</p> <ul style="list-style-type: none"> • International Olympic Committee approved Cricket to be part of 2028 Olympics. • T20 format for men and women <p>Did you know?</p> <ul style="list-style-type: none"> • Compound archery is not part of the 2028 Olympics. • Los Angeles to host the 2028 Olympics. • The 2028 Summer Olympics is officially known as the Games of the XXXIV Olympiad.
<p>India's 1st CAR-T cell therapy gets CDSCO nod</p>	<p>In news:</p> <ul style="list-style-type: none"> • India's 1st CAR-T cell therapy developed by ImmunoACT gets CDSCO nod. <p>Did you know?</p> <ul style="list-style-type: none"> • Mumbai-based Immunoadoptive Cell Therapy Private Limited (ImmunoACT) has received approval from the Central Drugs Standard Control Organization (CDSCO) for India's first Chimeric Antigen Receptor T-cell (CAR-T cell) therapy. • The therapy, called NexCAR19, is a CD19-targeted CAR-T cell therapy product used to treat relapsed/refractory B-cell lymphomas and leukemia.



CAR T-Cell Therapy



CAR T-cell therapy is a type of treatment in which a patient's T cells are genetically engineered in the laboratory so they will bind to specific proteins (antigens) on cancer cells and kill them. (1) A patient's T cells are removed from their blood. Then, (2) the gene for a special receptor called a chimeric antigen receptor (CAR) is inserted into the T cells in the laboratory. The gene encodes the engineered CAR protein that is expressed on the surface of the patient's T cells, creating a CAR T cell. (3) Millions of CAR T cells are grown in the laboratory. (4) They are then given to the patient by intravenous infusion. (5) The CAR T cells bind to antigens on the cancer cells and kill them.

cancer.gov

Chimeric Antigen Receptor T-cell (CAR-T cell) therapy

About

- CAR-T cell therapy stands for chimeric antigen receptor T cell therapy.
- It is a type of cancer immunotherapy that uses the patient's own T cells, genetically modified in a laboratory to enhance their ability to locate and destroy cancer cells.

Did you know?

- CAR-T cell therapy is effective against certain types of cancer, especially when other treatments are ineffective.



বাংলা

<p>Biden awards \$7 bn for Clean Energy Projects</p>	<p>In news:</p> <ul style="list-style-type: none">• Biden administration awards \$7 billion program to kickstart Clean Energy Projects. <p>Key points:</p> <ul style="list-style-type: none">• Invest in the development and production of hydrogen fuel.• Aims to establish seven regional hydrogen hubs to help replace fossil fuels.• Aim to achieve the President’s vision of a strong clean energy economy” and net-zero greenhouse gas emissions in the U.S. by 2050.
<p>Operation Ajay</p>	<p>About</p> <ul style="list-style-type: none">• Operation Ajay is a mission launched by the Indian government.• It aims to evacuate its citizens from Israel during the ongoing conflict with the Hamas group in Gaza.
<p>Ninth G-20 Parliamentary Speakers’ Summit (P-20)</p>	<p>Context</p> <ul style="list-style-type: none">• Ninth G-20 Parliamentary Speakers’ Summit was held in New Delhi. <p>Key points</p> <ul style="list-style-type: none">• The event was held at the Yashobhoomi convention centre in New Delhi’s Dwarka area.• The unanimous adoption of the Joint Declaration at P-20 Bharat exemplified the spirit of Vasudhaiva Kutumbkam.
<p>Three main ethnic groups of Sikkim: Lepchas, Bhutia, and Nepalese</p> 	<p>Context</p> <ul style="list-style-type: none">• Lepchas, Bhutia, and Nepalese are the 3 main ethnic groups of Sikkim. <p>Other key points</p> <ul style="list-style-type: none">• Rangpo and Singtam were affected areas of recent flash floods in Sikkim.• The South Lhonak glacial lake burst caused the flash floods.

Copyright © by Adda247

All rights are reserved. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without prior permission of Adda247.



বাংলা

ADDAPEDIA

Daily Current Affairs Encyclopedia

To get free Live Classes,
Materials Scan this QR Code &
Download our Adda247 App

