

IMMUNO-ONCOLOGY OVERVIEW

HOW IMMUNOTHERAPY HELPS THE BODY ATTACK CANCER

TYPES OF CANCER TREATMENT¹



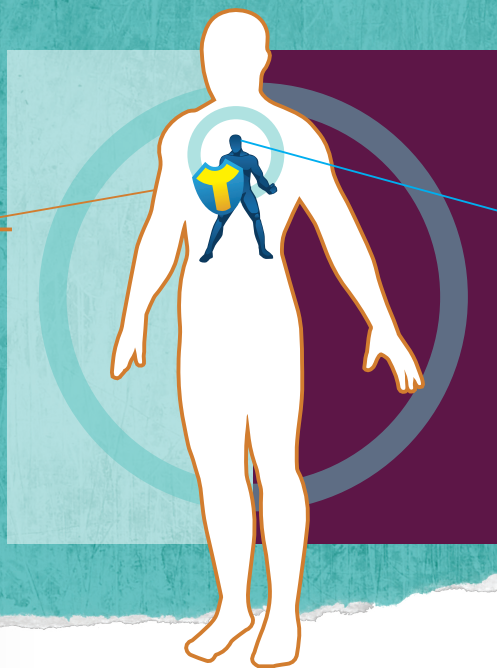
THE ROLE OF THE IMMUNE SYSTEM²

The immune system is a collection of organs, specialized cells, and substances that keeps track of everything normally found in the body. **Any unrecognized substance is attacked by the immune system to protect the body from infections and diseases.**

THE FIRST LINE OF DEFENSE³

The innate immune system:

Provides first line of defense against infection and includes barriers like the skin.³



THE SECOND LINE OF DEFENSE³

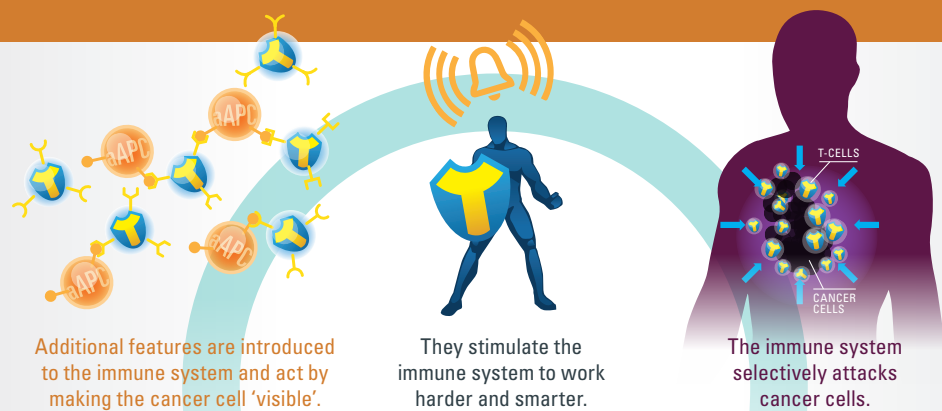
The adaptive immune system:

Remembers that it has encountered an invading organism and reacts more rapidly next time.³

THE IMMUNE SYSTEM & ITS CONNECTION TO CANCER

Substances that trigger the immune system to attack are called antigens. Cancer cells often appear similar to normal cells, so some cancers avoid detection and destruction as an antigen.^{2,4}

HOW IMMUNO-ONCOLOGY THERAPIES WORK^{2,5}



IMMUNOTHERAPY TARGETS THE IMMUNE SYSTEM, NOT THE TUMOUR ITSELF.⁶

THEN

For years, medical researchers have studied the role of the immune system in cancer.⁷

NOW

Today, over 900 clinical trials are evaluating immunotherapies in various cancers⁸, including the **10 most common**.^{9,10}

IMMUNO-ONCOLOGY APPROACHES²

1.

Monoclonal antibodies
Man-made versions designed to target and boost the specific cells that will stop the cancer.

2.

Cancer vaccines
Substances introduced into the body to cause an immune response against certain diseases.

3.

Non-specific immunotherapies
Treatments that boost the immune system generally, which can help it attack cancer cells.

THERE IS GREAT POTENTIAL FOR IMMUNO-ONCOLOGY THERAPIES TO INCREASE LONG-TERM SURVIVAL AND IMPROVE QUALITY OF LIFE.⁶

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