

МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ  
СУМСЬКИЙ ДЕРЖАВНИЙ УНІВЕРСИТЕТ  
КАФЕДРА ІНОЗЕМНИХ МОВ  
ЛІНГВІСТИЧНИЙ НАВЧАЛЬНО-МЕТОДИЧНИЙ ЦЕНТР

МАТЕРІАЛИ ІХ МІЖВУЗІВСЬКОЇ  
НАУКОВО-ПРАКТИЧНОЇ КОНФЕРЕНЦІЇ  
ЛІНГВІСТИЧНОГО НАВЧАЛЬНО-МЕТОДИЧНОГО ЦЕНТРУ  
КАФЕДРИ ІНОЗЕМНИХ МОВ

**“TO MAKE THE WORLD SMARTER AND SAFER”**

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## CANCER IMMUNOTHERAPY

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Over the years we have resorted to radiation, chemotherapy and surgery in fighting cancer. Unlike the latter mentioned forms of therapy cancer immunotherapy is one of the more recent approaches. Cancer immunotherapy focuses on enhancing the body's immune system in fighting cancer.

The body's immune system has limitations when it comes to fighting cancer because the body thinks of cancer tumor as 'self' for cancer cells are derived from the body's own cells. Cancer immunotherapy works by providing an external stimulus or rendering the immune system with cancer vaccines. Immunotherapy's mode of attacking the cancer cell offers long term protection against the disease and brings about minimal or no side effects because the focus is attacking the cancer cells only and not the healthy cells where as the other forms of cancer therapy tend to eliminate even the healthy cells.

There are several forms of immunotherapy that can be employed and they can be categorized as passive immunotherapy and active immunotherapy.

Passive immunotherapy employs antibodies created outside of the body to fight cancer.

- Monoclonal antibodies.

Active immunotherapy triggers the immune system to recognize and destroy the cancer cells.

- Cancer vaccines
- Cellular therapies
- Adjuvants

Cancer immunotherapy evident to have brought wonderful results to many patients, it has shown minimal side effects and the results of immunotherapy may be apparent in a short time. Immunotherapy is critical to bringing new and potentially lifesaving treatments to more patients with more types of cancer, and may represent the greatest hope for patients currently facing the disease.