



Immunotherapy Milestones in Modern Oncology

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02/12/2026

Immunotherapy

Did you know that the first ever recorded cancer diagnosis was made in ancient Egypt around 3000 BC? Cancer deaths have increased over the years, but with modern-day advancements in immunotherapy, death related to cancer can be greatly reduced, and healing could be even more improved. The future of cancer treatment promises to significantly reduce mass death from the disease. Immunotherapy for cancer describes a treatment that does not permit cancer cells to further devastate a host's immune system. A common form of immunotherapy is CAR T-cell therapy, where a patient's immune cells are used to recognize and fight cancer cells (Park & Lee, 2020). These treatments have the potential to change the future of cancer treatment, especially colorectal cancer (Park & Lee, 2020). Despite the potential of cancer immunotherapy, physicians face challenges such as managing side effects and understanding the effectiveness of patients' treatment. The side effects increase when treatments are given in combination, involving life-threatening conditions like diabetes, inflammatory arthritis, and death in a few cases. (Johns Hopkins Medicine, n.d). The varied results in patient responses with CAR T-cell therapy emphasizes the need for more consistent studies to further improve therapies and treatments (Park & Lee, 2020). As cancer immunotherapy strengthens, cancer treatment evolves alongside it, by using the body's immune system to fight disease far more effectively. While these therapies show great promise in reducing cancer-related deaths, challenges like managing side effects and personalizing treatments

remain. With rapid growth in research, scientists are hopeful that these challenges can be overcome, bringing us closer to a cure for cancer.

References

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