

Breast Cancer: Yesterday, Today, Tomorrow (From the intense probe to targeted therapy)

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Abstract

Since ancient times, humanity's struggle against breast cancer has persisted without pause, and the finding a cure still seems distant. The discovery of the DNA structure marked the beginning of a new era in the exploration of life, establishing this molecule as the central focus of scientific research.

Along the DNA molecule are specialized structures called "genes," in which, through a unique alphabet, the essential blueprint of life is encoded. Intensive research in genetics and molecular biology has opened new horizons, enabling the development and application of innovative cancer treatment methods. The successful treatment of any cancer relies on our ability to accurately identify these specific

changes in malignant cells in order to select the most effective therapies to eliminate them.

Breast cancer treatment is becoming increasingly personalized as we learn more about the disease. Today, breast cancer is recognized as a heterogeneous condition with distinct subtypes and different mechanisms of action within the body.

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