



# Targeted Therapy: A Revolutionary Approach to Cancer Treatment

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## DESCRIPTION

The world of cancer treatment has been revolutionized by the development of targeted therapy. This innovative approach to cancer care has shown encouraging results in treating various types of cancer, including Adenocarcinoma pancreas. With the recent challenges posed by the COVID-19 pandemic, targeted therapy has emerged as an essential tool in the fight against cancer. This article describes the concept of targeted therapy, its benefits and its role in cancer care during the COVID era [1].

### Targeted therapy

Targeted therapy is a type of cancer treatment that uses drugs or other substances to identify and attack specific cancer cells. Unlike traditional chemotherapy, which kills both cancerous and healthy cells, targeted therapy is designed to only target cancer cells, minimizing the damage to healthy cells. It works by targeting specific molecules that are involved in the growth, progression and spread of cancer cells. This targeted approach makes it a more effective and less toxic treatment option for patients [2,3].

The key to the success of targeted therapy lies in its ability to identify and target specific molecules that are present on the surface of cancer cells. These molecules, also known as targets or biomarkers, play an important role in the growth and survival of cancer cells. By targeting these molecules, targeted therapy can stop cancer cells from growing and dividing, leading to their death through a process called apoptosis.

### The benefits of targeted therapy

Targeted therapy offers several advantages over traditional cancer treatments. As it only targets cancer cells, it causes fewer side effects, making it a more tolerable treatment option for patients. Additionally, targeted therapy can be combined with other treatments, such as chemotherapy and radiation, to further

enhance its effectiveness. It also has the potential to overcome drug resistance, a common problem in cancer treatment [4].

### Targeted therapy in cancer care during the covid era

The COVID-19 pandemic has had a significant impact on cancer care, with many patients experiencing delays in treatment and reduced access to healthcare facilities. In this scenario, targeted therapy has emerged as a game-changer. Its targeted approach and reduced side effects make it an ideal treatment option for patients who are at a higher risk of developing severe complications from COVID-19. It also allows for at-home treatment, reducing the need for hospital visits and minimizing the risk of exposure to the virus [5-8].

As our understanding of cancer continues to evolve, it's clear that targeted therapy will play an increasingly important role in the future of cancer treatment. This approach offers a more precise, effective and personalized alternative to traditional methods, with fewer side effects and a better overall quality of life for patients [9,10].

While targeted therapy may not be suitable for all cancer types, it's undoubtedly a game-changing treatment option that is already helping countless patients in their fight against cancer. As research and technology continue to advance, it's likely that targeted therapy will only become more effective in the years to come, offering hope to even more patients around the world.

## CONCLUSION

Targeted therapy has revolutionized the field of cancer treatment, offering a more effective and less toxic approach to fighting cancer. Its ability to target specific molecules and minimize damage to healthy cells has made it a preferred option for many patients. With the added challenges posed by the COVID-19 pandemic, targeted therapy has emerged as an important tool in the fight against cancer, providing hope and a ray of light for patients battling this deadly disease.

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