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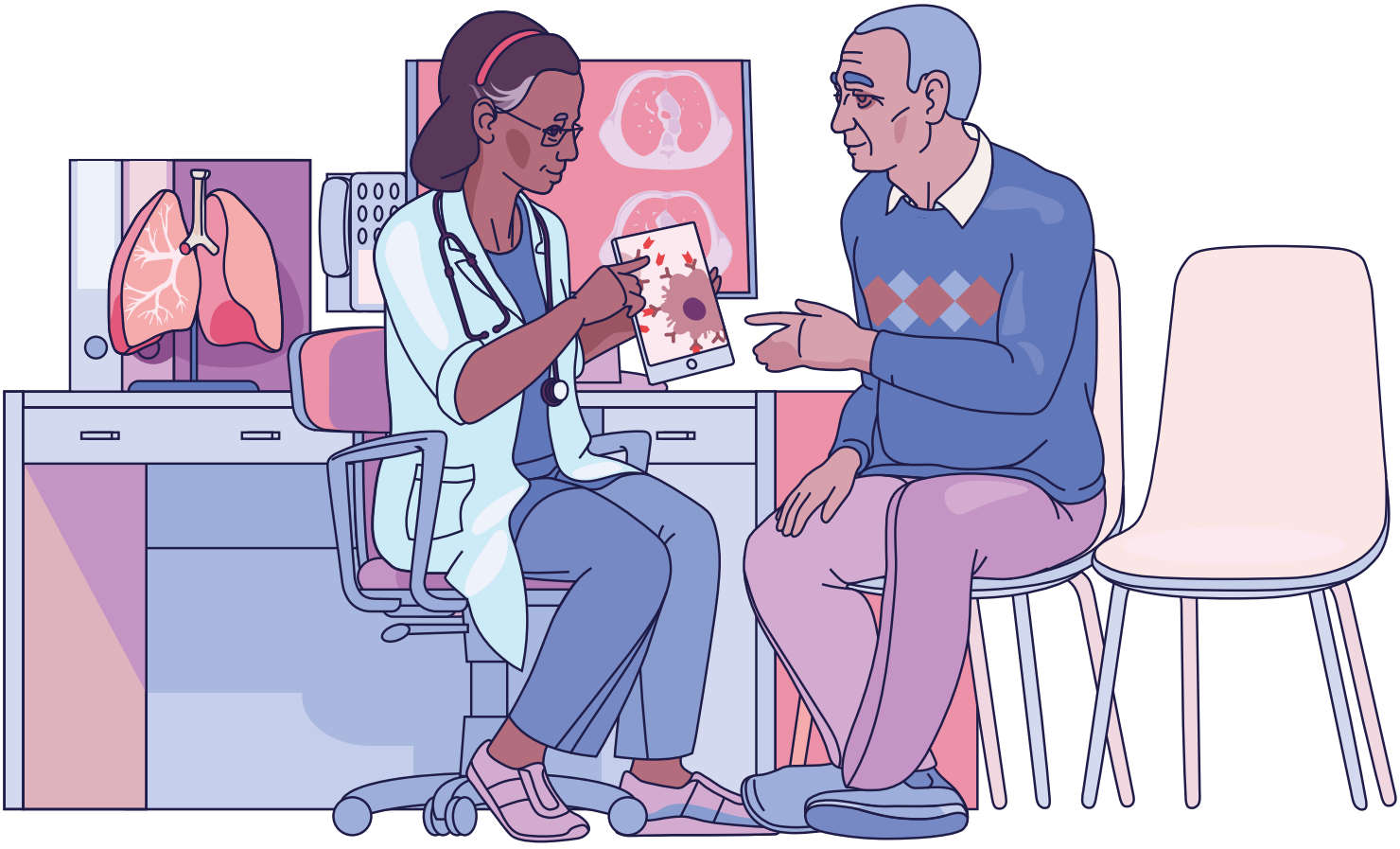
Have you been diagnosed with cancer?

Cancer treatment can be a complex and challenging. However, with advances in medical technology and treatments, many cancer patients can achieve long-term survival and good quality of life. Patients and their families can work closely with healthcare teams to develop a comprehensive treatment plan that meets their needs and goals.

Several factors determine the type of treatment you receive. These factors include the type and stage of cancer as well as the patient's health and preferences.

Effective treatment plans eliminate or manage the disease while minimizing side effects. We understand your path may be challenging, but the right treatment plan and a strong support system can help you regain your health and improve your overall quality of life. We recognize that the road ahead is not easy, but you are not alone.



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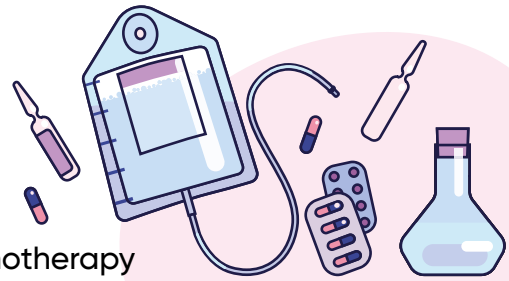
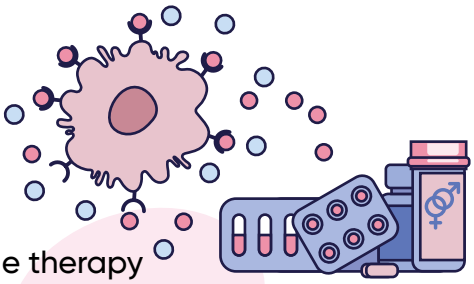
Treatment options

Cancer treatment options vary based on their effectiveness, side effects and duration. Depending on your specific case, one or a combination of these treatments may be recommended.



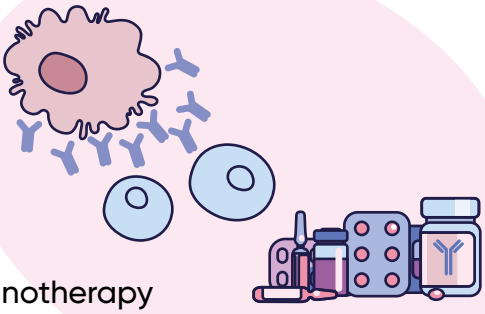
Chemotherapy

Chemotherapy is a systemic treatment administered intravenously or orally and its effects can be far-reaching throughout the body. It works by interfering with the tumor cells' ability to grow and divide, ultimately leading to cancer cell death.



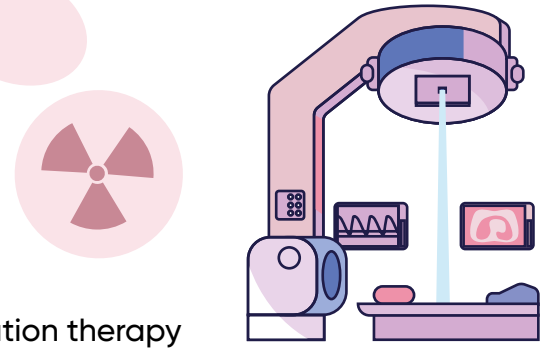
Hormone therapy

Hormone therapy is a cancer treatment that inhibits the hormones that promote the growth of certain cancers, such as breast and prostate cancer. Its goal is to slow down or stop the progression of hormone-dependent tumors.



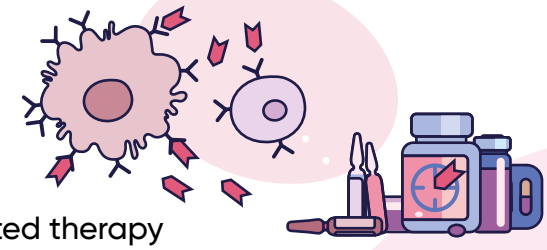
Immunotherapy

Immunotherapy enhances the immune system's ability to recognize and attack cancer cells. Several factors can determine the likelihood of a successful outcome from immunotherapy treatment.



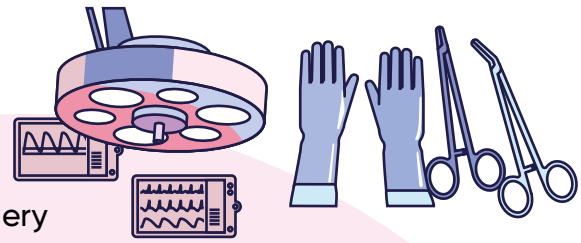
Radiation therapy

Radiation therapy utilizes high-energy radiation to kill cancer cells or reduce tumor size. It can be administered externally or internally. The treatment aims to precisely target the affected area while minimizing the exposure of healthy tissues to radiation.



Targeted therapy

Targeted therapy blocks specific proteins that promote the growth and survival of cancer cells. These proteins typically exist due to genetic mutations within the cancer cells. Comprehensive genomic profiling of the cancer cells may be necessary to identify the most effective treatment targets. This analysis can reveal genetic alterations that can guide the selection of targeted therapy drugs and increase the chances of a positive outcome from treatment.



Surgery

Surgery is widely used to remove tumors and surrounding tissues that may be affected by cancer. The surgeon aims to remove as much of the cancerous tissue as possible while preserving the function of the affected area.

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Clinical trials

Each year, advances in cancer treatment lead to the development of new therapies that are increasingly effective. There is now a wide variety of promising drugs in clinical research, offering patients the opportunity to receive innovative treatments that may be more effective than conventional therapies. By participating in clinical trials, patients can gain access to these new treatments while also receiving close medical supervision, regular monitoring and potentially benefitting from personalized medicine approaches.

Side effects

Cancer treatments can cause various side effects, including fatigue, nausea, vomiting, pain and hair loss. Fortunately, many of these side effects can be managed. You should communicate with your doctor about any side effects you are experiencing so they can be addressed and managed effectively.

Useful links

Advocacy groups play an important role in supporting cancer patients and their caregivers by working to improve the cancer care system. Please find links to advocacy organizations and useful guidelines below.

NCCN Guidelines for Patients

National Cancer Institute (NCI)

American Cancer Society (ACS)

American Association for Cancer Research

Cancer.Net ASCO

BostonGene Information

Comprehensive genomic profiling

Selecting the appropriate treatment plan can be challenging. Understanding your specific cancer can aid in that process. Comprehensive molecular testing with the BostonGene Tumor Portrait™ test provides a detailed view of the genetic changes driving your cancer. Results from the Tumor Portrait™ test can assist you and your doctor in making personalized treatment decisions that could improve outcomes.

Transforming Cancer Care

BostonGene provides comprehensive molecular and immune profiling to assist in cancer treatment selection. Our analysis helps create a personalized therapy plan that aligns with your cancer genomics and medical history:

- All relevant alterations detected by next-generation DNA and RNA sequencing
- Unique analysis of the tumor microenvironment that could predict immunotherapy response
- Potentially beneficial clinical trial options
- Inherited mutations which can provide valuable information about cancer risk for your relatives

To learn more visit www.bostongene.com