UNDERSTANDING IMMUNOTHERAPY FOR LUNG CANCER

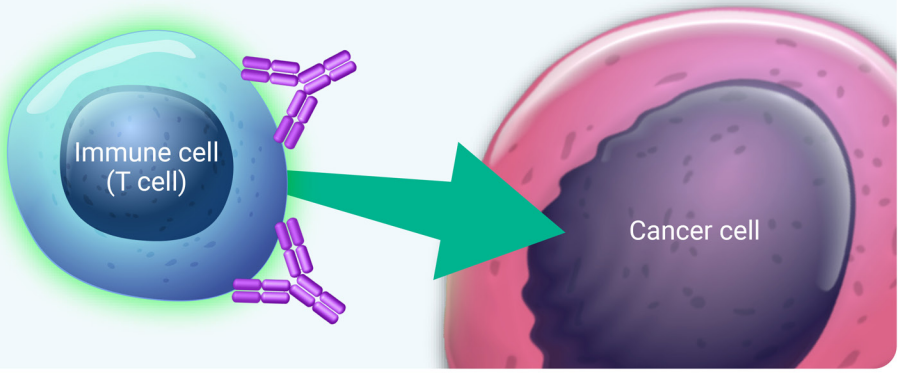
A Breath of Hope LUNG FOUNDATION

YouAndLungCancer.com

What is immunotherapy?

Immunotherapy is a type of cancer treatment that uses the body's immune system to fight cancer. Immunotherapy stimulates your immune system to recognize and attack cancer cells.

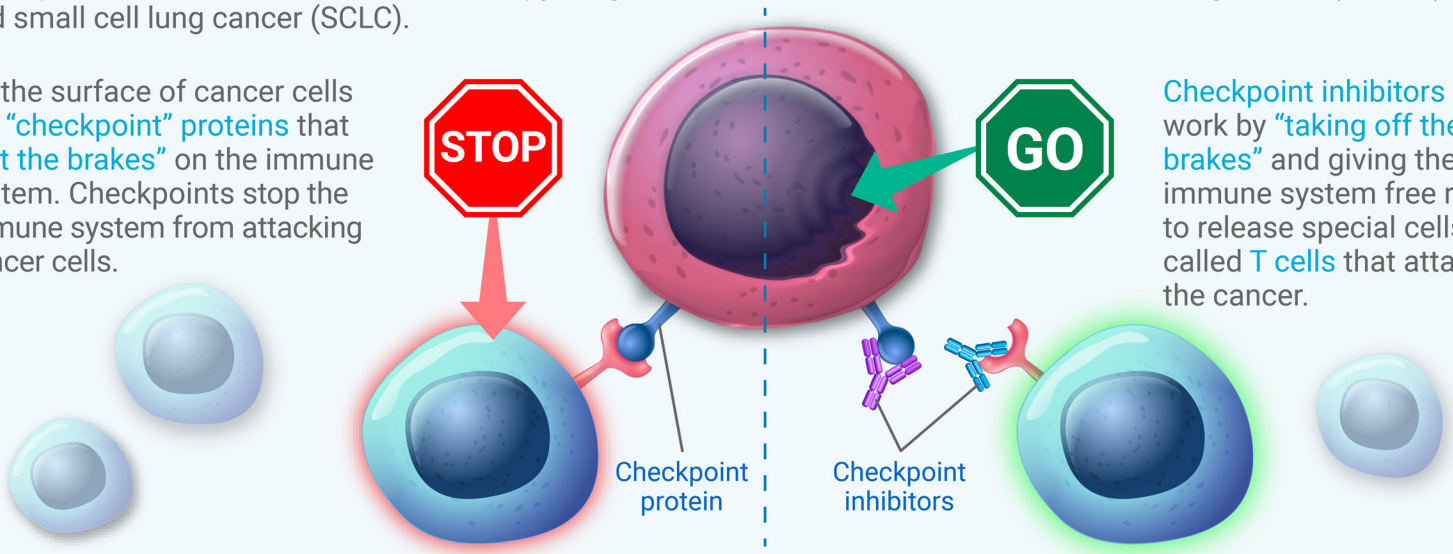
Immunotherapy is a kind of precision medicine – treatment tailored to the precise features of *your* cancer.



What are immunotherapy checkpoint inhibitors?

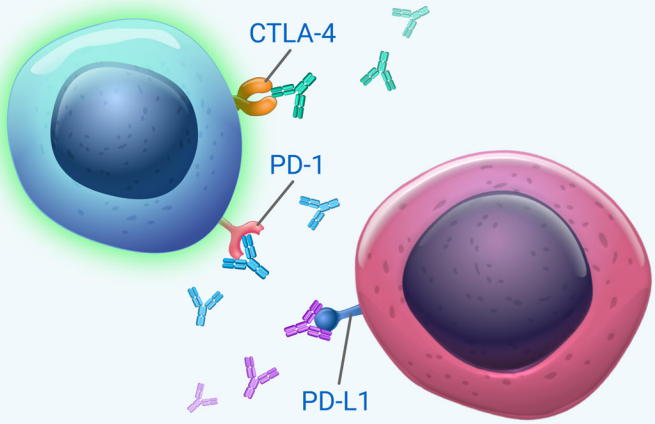
Checkpoint inhibitors are the immunotherapy drugs most often used to treat non-small cell lung cancer (NSCLC) and small cell lung cancer (SCLC).

On the surface of cancer cells are "checkpoint" proteins that "put the brakes" on the immune system. Checkpoints stop the immune system from attacking cancer cells.

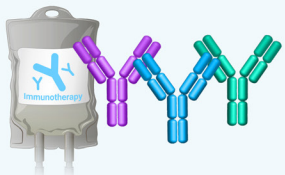


Checkpoint inhibitors work by "taking off the brakes" and giving the immune system free rein to release special cells called T cells that attack the cancer.

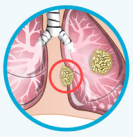
Checkpoint inhibitors block checkpoint proteins PD-1, PD-L1, or CTLA-4



Checkpoint inhibitors approved to treat lung cancer that has metastasized, or spread, into the chest, to lymph nodes near the lungs, or from the lungs to other organs:

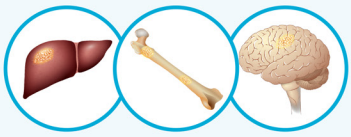


- Atezolizumab
- Durvalumab
- Ipilimumab
- Nivolumab
- Pembrolizumab



Spread into chest

Spread to lymph nodes near lungs



Spread to other organs

For more information visit:
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Developed by **A Breath of Hope Lung Foundation** and **Mechanisms in Medicine Inc.**

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