

## Cancer Immunotherapy and its Benefit: An Editorial

**Stefan Riley**

Department of Chemotherapy, Massachusetts General Hospital, USA

\***Corresponding author:** Department of Chemotherapy, Massachusetts General Hospital, USA, E-mail: [stefanriley@rediffmail.com](mailto:stefanriley@rediffmail.com)

**Received Date:** November 27, 2018; **Accepted Date:** December 05, 2018; **Published Date:** December 12, 2018

### Editorial

Cancer immunotherapy is also known as immuno-oncology which is the artificial activation of the immune system to fight against cancer, improving on the immune system's natural ability to fight the germs and disease causing cancer. Immunotherapy can be classified as into three categories such as active, passive and hybrid.

In Active technique, immunotherapy directs the immune system to fight tumor causing cells by targeting antigens whereas in passive, it enhances the existing anti-tumor responses and include the use of monoclonal antibodies, lymphocytes and cytokines.

### Cancer Immunotherapy can Work on Different Types of Cancer

Immunotherapy enables the immune system to recognize and target cancer cells, making it a universal answer to cancer [1,2]. The list of cancers that are currently treated using immunotherapy is extensive. Immunotherapies by cancer type includes: Cervical Cancer; Childhood Cancer; Colorectal Cancer, etc.

Immunotherapy has been an effective and most powerful treatment for patients with cancer that have been resistant to chemotherapy and radiation treatment such as melanoma [1].

### Cancer Immunotherapy Provides the Possibility for Long-Term Cancer Remission

Immunotherapy helps the immune system to remember cancer cells this is called as immunomemory and may result in longer-lasting remissions of targeted cells.

Studies on long-term overall survival have shown that the favorable responses to cancer immunotherapy treatment are long lasting and can be maintained even after treatment gets completed [3].

### Cancer Immunotherapy: Not Cause the Side Effects as Chemotherapy and Radiation

Cancer immunotherapy is concentrated on the immune system and is often more targeted than normal cancer treatments.

Both chemotherapy and radiation damage healthy cells which lead to common side effects such as hair loss and nausea/vomiting. Effect of this is less likely with immunotherapy.

**Citation:** Stefan Riley, Cancer Immunotherapy and its Benefit: An Editorial. Cancer Med J 2018: 1(1) 37-38.  
© 2018 Tridha Scholars.

## **Conclusion**

From this editorial it can be concluded that Immunotherapy is treatment that uses body's own immune system to help fight cancer and will be beneficial for long lasting treatment.

## **References**

1. <https://www.cancerresearch.org/immunotherapy/why-immunotherapy>
2. IF Ciernik (2018) Enhanced tumor response to palliative radiotherapy with crizotinib in a patient with metastatic non-small cell lung cancer. *Cancer Medicine Journal* 1(1): 1-2.
3. Julie Hunley (2018) The Effect of yoga on barriers to occupational engagement in African, American breast cancer survivors. *Cancer Medicine Journal* 1(1): 3-11.