

## Controversial Views on Cancer

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### Abstract

Cancer is a complex disease, 90 percent of all cancers caused by mainly by external environmental factors such as tobacco, alcohol, viruses, chemicals. Cancer is a process from tumor initiation, promotion and progression by various immune mediators, where chronic inflammation is considered as a seventh hall mark of cancer. In the long process of tumor progression takes many years and the cancer cells spread throughout the body and the mutations takes place to become cancer. In this process of tumor initiation to progression and in early diagnosis of cancer by biopsy there are many controversies in cancer. This article brief about the controversial views of cancer.

**Keywords:** *Cancer; Tumor Initiation; Tumor Promotion; Tumor Progression*

Everyday many cells die and replace by new cells in this process if some cells are outliving than other cells can we call it as cancer cells. There are 4 - 5 mutations has to take place from normal cells to become cancer cells. The food we eat, air we breathe contaminated by chemicals can change the normal cells to undergo mutations, cell proliferation and cell survival can we call it has cancer cells?

From tumor initiation to tumor promotion and tumor progression takes many years in the process how can we detect cancer early? Cancer is a chronic inflammatory disease more than 90% of all cancers are due external environmental factors such has tobacco alcohol and viruses (HPV-16, 18 and EBV). Chronic inflammation is considered has 7<sup>th</sup> hall mark of cancer 25% of all cancers are due to chronic inflammation or chronic infection.

Current advanced treatment moralties include surgery, chemotherapy and radiotherapy fails to improve the prognosis and survival rate in cancer patients. We need to have holistic preventive and therapeutic approach in management of oral cancer without adverse effects and inexpensive for better cancer prognosis and survival rate.

Hungarian noble laureate Albert Szent Gyorgi said we do not know any treatment which can kill cancer cells without killing normal cells. Cancer cells work exactly like normal cells. Abnormal cancer cells are proliferating and progressive growth of the tumor not attacked by any immune cells to kill the cancer cells where normally the key immune cells tries to kill the abnormal cancer cells.

Cancer cells seeding takes place throughout human body lodged in different places how can we detect cancer early?

Tissue biopsy is taken stained with chemical eosin and hematoxylin microscopic picture appear as distorted cells rather than studying the functions of the cancer cells.

If we train human immune system to fight against cancer, immunotherapy will help to fight against cancer cells without adverse effects and inexpensive with good prognosis and survival rate.

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