

A Brief Synoptic Note on Pathological Cancer

Yavuz Selim Saglam*

Department of Pathology, Ataturk University, Erzurum, Turkey

DESCRIPTION

The modern medicine of oncology injuries of the genetic equipment of the cell is taken into account to be the first explanation for cancer, and therefore the pathologic of cancer is seen as a process of transformation of a traditional cell into a tumor cell. It's proven by deep basic analysis of the pathologic process of cancer, which is command completely at the cellular, molecular and genetic levels of the organism. Such a vector of the research supported the construct of cancer as a "genes injury disease" limits the look for effective strategies of cancer treatment. The information on the survival of cancer patients against treatment, as for the past 30 years has solely increased may be thought about the confirmation of the lean potency of the present approaches to cancer medical pathological therapy [1].

Additionally, the incidence of cancer globally has exaggerated in only four years from 12.4 million in 2008 to 13.98 million new cases in 2012, once there have been 8.0 million deaths. Over future 25 years, it's expected in the next 20 million a year to increase. This unfavorable prognosis has been created whereas the annual finance of research of the cancer downside within the world is increasing tremendously, because the scholars optimism relating to the fast creation of effective cancer medication. Despite the provision of the necessary basic data regarding the cancer biology, the obstacle to the creation of effective cancer treatment in humans exists. As per study opinion, this obstacle is lack of actuality pathologic process of malignant tumors. Etiological causes of cancer and severally, 3 sorts of carcinogenesis: Chemical carcinogenesis (chemical carcinogens benzpyrene, amphibole and over 800 chemicals) physical carcinogenesis (physical carcinogens radiation, actinic ray), biological carcinogenesis (biological carcinogens viruses, bacteria, fungi).

However, in clinical observation still have not possible to see the etiological explanation for cancer, and directly suitable for etiotropic cancer in every case, therefore the causative cancer treatment doesn't exist. Moreover, paradoxically from the positions of usually accepted cancer etiology existing and developing trendy strategies of cancer treatment (chemotherapy,

therapy, and sequence therapy/biotherapy) is predicated on the utilization of carcinogens. Such Associate in Nursing approach is "cancer treatment by carcinogens" reminds the hearth being destroyed with hydrocarbon and contradicts one in every of the basic principles of clinical drugs conducting causative (Etiotropic) treatment of the illness. As mentioned on top of, the usually accepted basis of the pathologic process of cancer is that the injury to the genetic equipment of cells (disturbance of organic phenomenon, activation of tumor promoter sequence, inactivation of tumor suppressor genes, etc) [2].

The sole pathogenetic cancer medical aid is application of strategies of cancer sequence medical therapy aimed to eliminating the genetic injury and management over cancer cells. However, the strategies of cancer sequence medical therapy solely being developed and their use in clinical observation. It is thought about to possess been well-tried that variety of pathological processes that are typical for varied malignant tumours are caused by the bustle of the cancer cells specifically. These pathological processes caused by cancer cells are inflammation (cell production of pro-inflammatory cytokines, growth factors, and others), disruption of the system with violation result or functions of NK cells, cytotoxic lymphocytes, macrophages, the emergence of T-regulatory cells, imbalance of Th1/Th2, immune evasion by tumour cells [3].

Currently, the damage of genetic apparatus of the cell is considered to be a cancer disease, which is a systemic error in understanding of the nature of cancer. The damage of genes does not necessarily lead to the development of cancer and this pathological process is located only in a number of other well-known cellular molecular disorders in cancer, and the development and progression of cancer process is only possible at formation specific pathophysiological state in the organism in the state of cancer reparative trap.

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Correspondence to: Yavuz Selim Saglam, Department of Pathology, Ataturk University, Erzurum, Turkey E-mail: saglam23@gmail.com

Received: December 01, 2021; **Accepted:** December 15, 2021; **Published:** December 22, 2021

Citation: Saglam YS (2021) A Brief Synoptic Note on Pathological Cancer. *J Med Surg Pathol.*6:233.

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