

The new method cancer therapy via warburg effect mechanism targeting for rearrangement pathologic quasi-stationary state of cancer cells into normal stationary state of able-bodied cells

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Having borrowed from the folk healers Omelchenko A. and Breusse R. the method treatment of oncologic patients, having tested the positive results of this method of treatment, it was explained the mechanism of the method cancer treatment via using "Prolonged medical Starvation (42 or 45 days)" and was substantiated this method cancer treatment, using the offered concept of Warburg effect mechanism: As outcome of oncogenes operation the huge anabolic processes cause huge consumption of energy and Acetyl-CoA and suppress catabolic processes causing overloaded "nodal point of bifurcation anabolic and catabolic processes" [NPBac] in cancer tissue. Lactic acids accumulate energy for anabolic processes in condition glycolysis metabolism in cancer tissue. This concept gives possibility to explain as Warburg effect mechanism and distinction between mechanisms Pasteur effect and Warburg effect, as well as mechanisms of "Contact inhibition of propagating cells in norm" and "Absence of contact inhibition of propagating cells in malignant tumor" using Theorell formula. Besides, the offered concept gives possibility to explain the mechanisms of irrepressible tumor growth, non-healed cancer ulcer and mechanism of metastases formation. Prolonged medical Starvation as the new approach to cancer therapy activates catabolic processes in an organism for maintenance stable temperature 36,6°C - 37,3°C by which all enzymes operate. Increase of fat oxidative metabolism from fat depot, due to Prolonged medical Starvation, leads to augmentation glutathione peroxide (GPX) and phospholipid hydroperoxide glutathione peroxidase (PHGPX) in all cells of an organism and contributes to neutralization of redundant ROS in mitochondria of cancer cells in G1/S phases cellular cycle. Thus Prolonged medical Starvation promote suppression excessive anabolic proliferative processes, due to expression catabolic processes with relieving of overloaded "nodal point of bifurcation anabolic and catabolic processes" [NPBac] via use of Acetyl-CoA for catabolic processes. Besides, neutralization of redundant ROS in mitochondria of cancer cells in G1/S phases cellular cycle, due to Prolonged medical Starvation, leads to suppression nuclear DNA replication in G2/M phases cellular cycle, due to ROS/free radicals neutralization in G1/S phases cellular cycle before nDNA replication in G2/M phases cellular cycle. Such suppression nuclear DNA replication in G2/M phases cellular cycle occurs as in able-bodied cells of an organism and as well as in cancer cells. However ROS/H₂O₂/free radicals exert process nuclear DNA replication in G2/M phases, being undergone neutralization, as in normal cellular cycle and as well as in cellular cycle of cancer cells. Thus huge proliferative processes of cancer cells are suppressed due to suppression nuclear DNA replication in G2/M phases cellular cycle via Prolonged medical Starvation. Thereby Warburg effect, characterizing by aerobic glycolysis, is destroyed because of expression aerobic catabolic processes and decrease anaerobic processes of glycolysis. Warburg effect destruction rearranges pathologic quasi-stationary state of cancer cells into normal stationary state of able-bodied cells, contributing to normal mechanism maintenance stability cellular Internal Energy as basophilic chemical potential of cytoplasm. Warburg effect destruction violates cancer metabolism and promote normal metabolism characterized by Pasteur effect. So it is occurred depression cancer tumor development that helps for efficient anticancer therapy with decreased dosage of cytotoxic drugs. Such approach to anticancer chemotherapy prevents damage Internal Energy and Internal Medium both an organism and cells of an organism, preventing damage of immune and hormonal systems as the links of defensive mechanism in regulative system of an organism. Prevention damage of immune and hormonal systems as the links of system stability Internal Energy and Internal Medium an organism prevents recurrence of cancer disease after long anticancer chemotherapy and resistance to anticancer drugs in process of intensive anticancer chemotherapy with cytotoxic drugs.

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