



## Efficient method of cancer cells therapy repairing Quasi-stationary pathologic State of an organism into Stationary normal State of an organism

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### Abstract

The stable balance catabolic processes & anabolic processes induce cytoplasm's basophilic chemical potential ( $\mu$ ) of stable basophilic coloration via staining of cell forming the stable Internal Energy of cell due to resonance waves of cellular capacitors operations according to first law of thermodynamics. Just cells' stable Internal Energy makes Stationary State as an organism and as well as cells of an organism in norm. The excessive shifts balance catabolic processes & anabolic processes into abundance anabolic processes lead to transmutation into Quasi-stationary State both cancer cells and cancer tissues exhibiting Warburg effect mechanism. Affecting by viral oncogenes, the excessive shifts balance catabolic processes & anabolic processes into huge anabolic processes result in expression nuclear activity as center anabolic processes due also to operations of excessive ROS/H<sub>2</sub>O<sub>2</sub>/free radical produced in mitochondria that exert irrepressible cancer proliferative processes. The method Cancer Therapy proposes combination "Prolonged medical starvation" with considerably decreased dosage of cytotoxic drugs. The forced inflow of substances and energy in condition of prolonged medical starvation occurs from the organism's depots both for the organism metabolism and for the cancer cells metabolism. The exhausted organism's depots in condition of prolonged medical starvation exerts mechanism maintenance stable Internal Energy of an organism (temperature 36,5°C – 37,2°C, by which all enzymes operate) that causes shift both an organism's metabolism and tumor metabolism into catabolic exergonic pathway violating anabolic endergonic processes in tumor metabolism. Thus inhibition of the abundance anabolic endergonic processes, which characterize cancer metabolism, results in cancer cells depression. Thereby the treatment with considerably decreased dosages of cytotoxic drugs in condition of depressed cancer cells' metabolism damage tumor metabolism and rearrange Warburg effect of cancer metabolism into Pasteur effect of normal tissue metabolism, causing efficiently cancer therapy. The advantage of this method of cancer treatment is that this method of cancer disease treatment does not intrude into the stability of Internal Medium and Internal Energy an organism and cells of an organism, does not violate defensive mechanisms of an organism /the cells of immune and hormonal systems/ in comparison with targeting metabolic links of anabolic processes both in the organism's cells and in the tumor's cells, causing damage of hormonal regulatory processes and protective immune processes in an organism by up-to-date chemotherapeutic methods which use great dosage cytotoxic drugs. Therefore the efficient method cancer therapy using decreased dosage of cytotoxic drugs against depressed cancer tumor does not lead to negative consequences how recurrence cancer disease after some medical remissions and resistance to cytotoxic drugs after long anticancer therapy.



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