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Features of signal transmission and aqueous media in tumorigenesis

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Abstract

Background: The latest studies highlight the importance of a holistic bioelectric field in the development of tumor diseases. According to some researchers, carcinogens prevent formation of a single morphogenetic field and lead to the creation of separate bioelectric fields. It has been experimentally proved that the development of a tumor in a certain part of the body depends on the bioelectric state of the distant regions. Water is one of the important links between the morphogenetic field and molecular substrates. Due to the presence of hydrogen bonds in the aqueous media, specific structures can be formed that can receive, store and transmit information. Intracellular structured water can serve as a “transformer” of various types of energy for use in the life processes of cellular structures. It was found that normal biological tissues could be distinguished from hyperplastic and malignant ones by means of magnetic resonance image scan based on recording diverse reactions of water protons.

Conclusions: the importance of a holistic bioelectric field in the development of tumor diseases is probably paramount. The development of a tumor in a certain part of the body depends on the bioelectric state of the distant regions. It is possible that carcinogens prevent formation of a single morphogenetic field and lead to the creation of separate bioelectric fields. A more in-depth study of the bioelectric and water constituents in patients with oncopathology will probably open up new facets of oncogenesis.

Key words: carcinogenesis, bioelectric patterns, aqueous media.