

DOES WATER MEMORY EXIST? DEAD WATER AND WATER OF LIFE

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Introduction. It is known that development of homeopathic treatment is high enough now. According to recent studies in France, 40% population uses homeopathic medicines prescribed by 39% of physicians; in England - 42% of specialists direct patients to homeopaths, and 80% of graduates of medical colleges would like to get education in homeopathy. With the acknowledgment of homeopathy at the state level in Ukraine homeopathic treatment began to develop more intensively, including homeopathic pharmacy. For example, near 20 years complex homeopathic medicines by Heel are presented in Ukraine. During this time the whole generation of patients who have positive experience of application Heel has managed to be created and assemble the home first-aid kit on the basis of these medicines. Homeopathy is a kind of alternative medicine, involving the using of highly diluted drugs and based on his doctrine of similar cures similar (*similia similibus curentur*), a claim that a substance that causes the symptoms of a disease in healthy people would cure similar symptoms in sick people. Many scientists believe that homeopathic remedies are not effective in treating any diseases; large-scale studies have shown that homeopathy is no more effective than placebo, indicating that any positive effects following treatment are due only to the placebo effect and normal recovery from the disease.

Purpose. To conduct theoretical studies and systematization of the most important views on the water memory effect and define such concepts as live and dead water. To analyze the statement about homeopathy, based on the water memory, as pseudoscience.

Materials and methods. In most of works, in which the researchers studied the structure of ordinary water, it was used the method of water purification from all impurities, eliminating the influence of all impurities, methods of refractometer analysis, proton magnetic resonance, high-performance liquid chromatography, methods of freezing various water sources. It was pointed out that the group of Zenin created a device that is sensitive to changes in the structure of water. In particular, it was written that the liquid property is affected by a person's thought. The main sources of information on the water molecular structure in these studies were data from neutron, X-ray diffraction and Raman spectroscopy.

Results and discussion. Structured water is water in which molecules are able to form clusters. The information about the interactions that have taken place or takes

place with a given water sample is encoded in these structures. Many researchers attribute the possibility of information transfer to the water fractals. In addition, water is able to store and transfer information important for the human body. Water at the molecular level has a "memory" of the substance once dissolved in it, and retains the solution properties of the original concentration. This is the basis of the homeopathic effect. The scientific community is divided into two sides: some do not accept the concept of water memory, others agree.

The French biologist Jean Benveniste in his studies in the field of homeopathy, discovered that "water has at the same time a physical "memory" that allows it, even after a significant dilution of the substance dissolved in it, far below the physical availability of the corresponding molecules, still perceive these molecules biologically". Emoto tries to prove that water is able to absorb, store and transmit human thoughts, emotions and any external information - music, prayers, conversations, events. Zenin believes that water is a hierarchy of regular volumetric structures based on a crystal-like "quantum of water". Water has the ability to infinitely structuring under the influence of information. The structured water state is a sensitive sensor of various fields, especially it is necessary to single out its response to the change in the electromagnetic vacuum state. Other laboratory researches with seeds of wheat showed that water is capable to remember the fields generated by alive objects.

Ivanitsky in his experiments has no reason to assert that there is a molecular information matrix in the water that could serve as a long-term memory. Hypotheses that water has a memory are not confirmed in the experiment.

The "dead" water and the one of life were firstly obtained by Kratov. These liquids are produced by electrolysis of ordinary water, acid water is called "dead", and alkaline (concentrated around the negative cathode) is one of life. Water of life is antioxidant, an immunomodulator, a source of vital energy. Dead water is an antiseptic, has anti-inflammatory, antiallergenic, antiedematous properties.

The key moment of scientific disclosing of life-making and the curative mechanism of water consists in studying its catalytic role in the chemical and biochemical processes which constitute the basis of a life.

Conclusions. Despite wide homeopathic medicines using, the experimental proofs of water memory existence which are available today, insufficiently for its existence admitting by the scientific community. So nowadays we can't recognize a homeopathy as a science.

Existence of dead water and the one of life is proved experimentally. These forms of water are widely applied in medicine.

The proofing of water memory existence can open us a new class of power informational technologies which can become breakthrough in agricultural production, the food industry, health care and other branches of the national economy.