

Water represents 70% of the total mass and 99% of the molecules in average living organisms (Ramazzini monograph). Researchers have learned that water responds to the natural electromagnetic environment with oscillations and waves, providing a resonant matrix for physiologic processes. Artificial electromagnetic fields may change these biologic functions. Structures such as proteins and smaller charged particles in contact with tissue fluids modulate EMF effects. The shapes of cells and sub-cellular elements also modulate the effects.

These facts are true whether we are voluntarily or involuntarily exposed.

[WATER IN BRAIN AFFECTS WIRELESS CAR-LOCK SIGNAL.](#)

★ [WATER MOLECULES IN A MICROWAVE OVENS](#)



"The chemical and physical interaction that takes place between electrical charges and water molecules can cause certain atoms to lose their electrons. When this happens, atoms become ionized or charged because of the missing electrons. As a result, these atoms will attempt to regain their missing electrons. The combination of ionized atoms and magnetic fields causes an electrical current to form in the water." Jacquelyn Jeanty

[Ramazzini Institute: Non-Thermal Effects and Mechanisms of Interaction between Electromagnetic Fields and Living Matter](#)

[Paul Heroux: Cancer, Magnetic Fields, Water A Unified Theory of Weak Magnetic Field Action](#)

[Martin Chaplin: Water and Microwaves Magnetic and Electric Effects on Water](#)

[Mae-Wan Ho: Living Rainbow H2O](#)

EMF AND PHYSIOLOGIC WATER STRUCTURE AND BEHAVIOR

Studies [RBC shape, RF effects](#)

[Water-membrane dielectric, EF](#)

★ [Cell water absorbs mm waves](#)

[Dielectric properties of body tissues](#)

[Cells, electric fields, polarizing effects](#)

[Interaction external EMF and physiology](#)

★ [Body's water as receptor of EMF field](#)

[Cell orientation, EMF effects, polarization](#)

[MF treated water, changes in planarian activity](#)

★ [Pulsed EF, water bridges, pores, membranes](#)

[Higher water content, youth, dielectric values, RF](#)

[Effect of weak magnetic fields on water and salt solutions](#)

[MW, relaxation responses in water, proteins, heating effects](#)

[Negatively charged nuclear movement, microelectrophoresis](#)

[EM stimulation of cultures in biotechnology, incl. role of water](#)

[Membrane-bound water, frequency dependent non-uniformity](#)

[SAR and changes in conductivity with age, decreased hydration](#)

[MF effects on aqueous solutions of glutamic acid, Zhadin effect](#)

[Electrophoretic mobility of cell nuclei as an indicator of EMF effects](#)

[Hydration of amino acids altered by MF, water-water bonds affected](#)

[MW treatment of water increases molecule mobility, drug dissolution](#)

[Transmission of DNA info. into water, presence of Schumann resonances](#)

["kT problem", non-thermal effects, magnetic moments of protons in liquid water](#)



"the configuration of molecular bands of water varies in the EMF, as well as the lengths of the H-bond chains. The field orients water bands in the three-dimensional space and, at a sufficient number of interactions, a local order of directions originates." Susak



"The investigation of indirect magnetic field effects have shown that magnetically treated water has changes in light absorption, specific electrical conductivity, magnetic susceptibility, Raman spectrum, index of light refraction, surface tension and viscosity." Hunt et al

[WATER ABSORBS LIGHT AT TERAHERTZ FREQUENCIES](#)

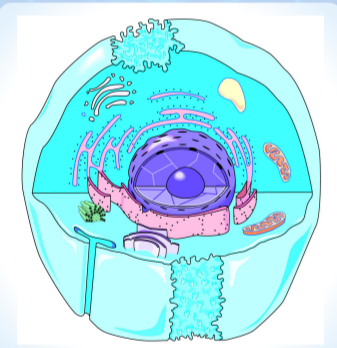
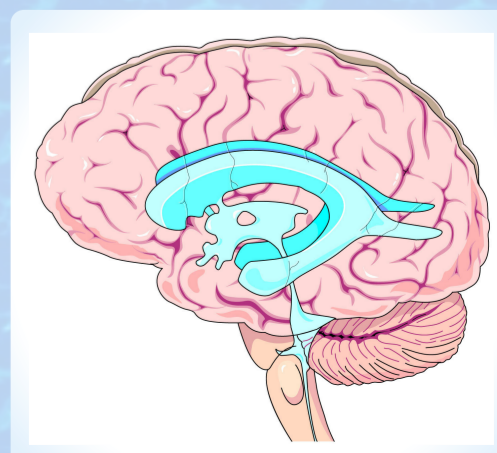
[BRAIN DEHYDRATION AS EMF BIO-EFFECT](#)


[CELL HYDRATION AS EMF BIOMARKER](#)

Water will line up in electrical fields due to its polar configuration.

The dielectric properties of the water in our bodies are different in cancerous and non-cancerous tissues.

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Newest version [this map](#)
Date of this update: 09-03-18




Water content decreases as we age. Children, with higher water density and thinner osseous structures, are more sensitive to adverse electromagnetic influences on tissue fluids.

[U.C. San Diego: "Water in the active sites of enzymes affects their catalytic power." This is exactly the argument that the McGill scientists are making—with magnetic fields affecting the structure of water in the enzyme ATPS. Microwave News

What happens to physiologic water when exposed to EMF?

- * Electrophoretic movement of nuclei produced
- * Natural "resonance state" is altered
- * Charged particles move differently within fluid matrix
- * Water, being dipolar, will realign in an electrical field
- * A 3-dimensional reorientation of water molecules may occur
- * Different suspended molecules and structures respond to EMF differently
- * Rates of reactions, changes in molecular shape, or both may occur

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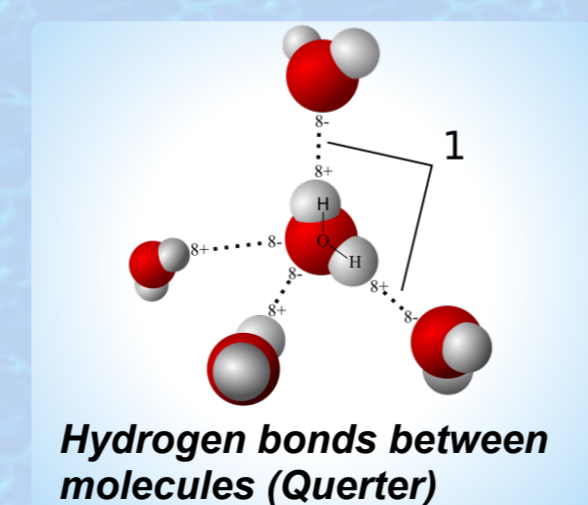
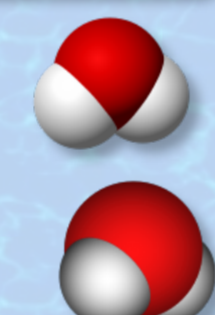
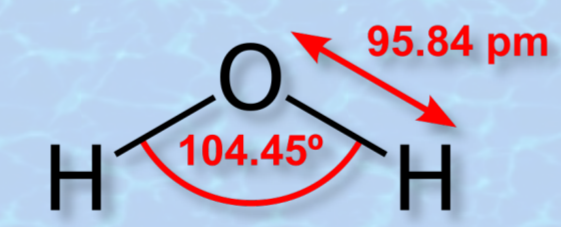
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[Introduction, Bio-Impedance Analysis](#)

[Dr. Mae-Wan Ho, protein, water, EMF](#)

[Book: Your Body's Many Cries For Water](#)

[EMF, ions and temperature effects on water](#)

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[Induced currents, tissue conductivities, highest in liquid](#)

