



MagHealy

Scientific Basics Training

www.healy.world

Notice

The MagHealy programs are designed to support your wellbeing through the harmonization of the Bioenergetic Field. We conducted before/after wellbeing surveys in the context of a controlled random group of MagHealy/Healy users, which were not blinded. The user surveys suggest that users feel better after use. We attribute this to the harmonization of the Bioenergetic Field, which we refer to as the energy flow of life, traditionally also called Chi (or Qi) and Prana. This has not been confirmed by independent studies. If you have or suspect you may have a medical condition, or if you are under the care of a healthcare practitioner, you should consult your practitioner before using MagHealy. Always use your MagHealy according to the Instructions for Use.

The magnetic field programs of the MagHealy device are not medical applications. They are not intended to cure, treat, mitigate, diagnose or prevent any disease or medical condition. The information on these pages is for reference and educational purposes only. It should not be treated as a substitute for professional medical advice, diagnosis or treatment. You should always seek such advice from a qualified medical professional. While Healy World endeavors to keep the information contained in these pages current, no warranty or guarantee concerning the accuracy, suitability or timeliness of information is made. Healy World is not responsible for any loss or damage resulting from the use of the information provided on these pages. All information is presented on an “as is” basis and responsibility for its interpretation and use lies solely with the user.

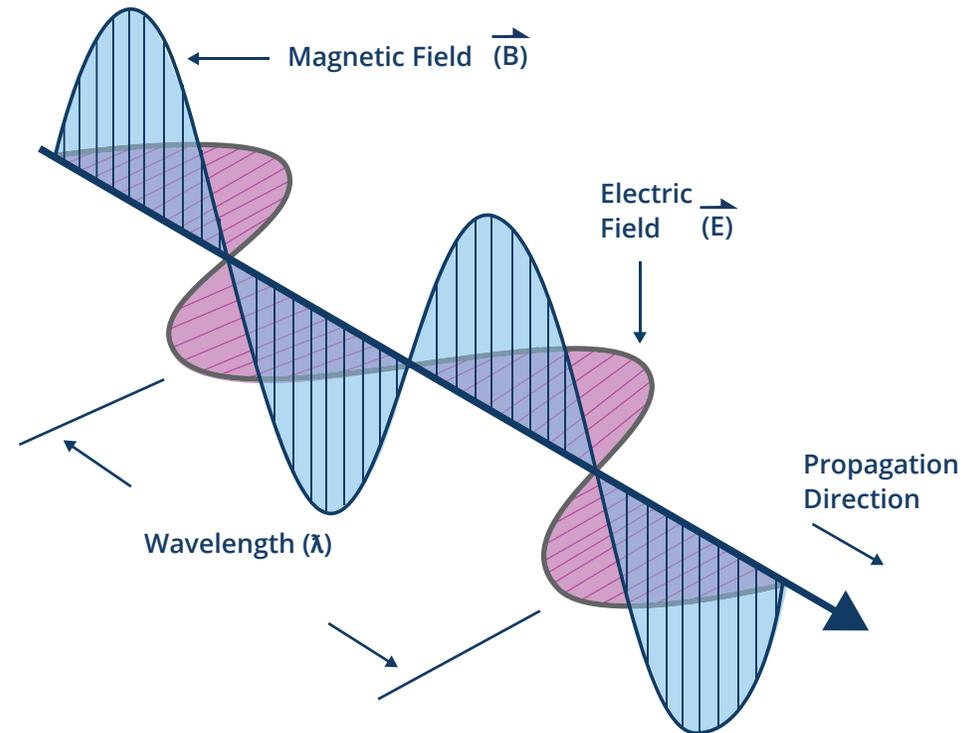
The Scientific Basis of Electromagnetic Fields



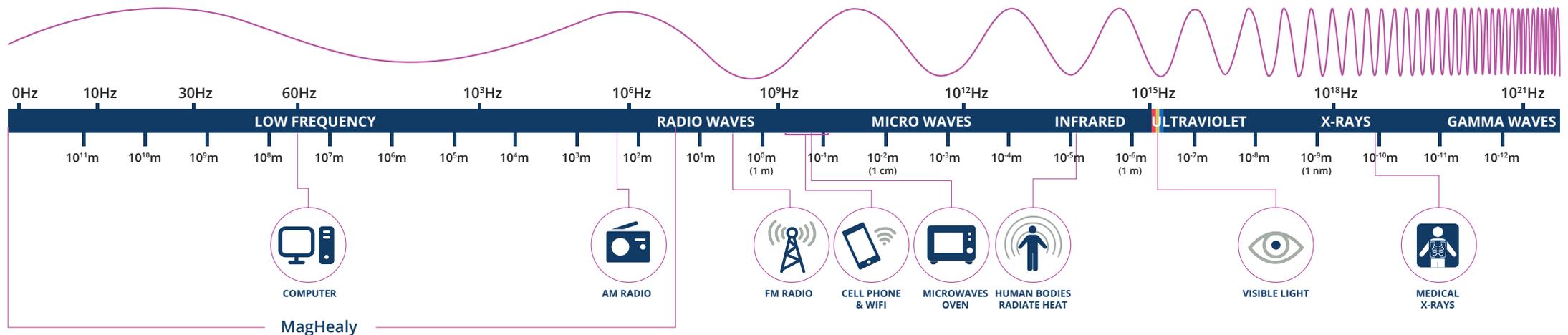
What Is the Structure of an Electromagnetic Field?

- An electromagnetic field is a physical field produced by electrically charged objects like current in a power cable or electrolytes in the human body.
- It contains both magnetic and electrical properties, which always coexist.

ELECTROMAGNETIC WAVE



The Properties of Electromagnetic Waves



- Energy that travels and propagates is called the electromagnetic spectrum. For example, the visible light from a lamp and the radio waves emitted from a radio transmitter are two types of electromagnetic radiation.
- Other types of electromagnetic radiation include microwaves, infrared light, ultraviolet light, X-rays and gamma rays.

Different Sources of Electromagnetic Fields

NATURAL SOURCES

- The magnetic field of the Earth
- Visible light
- Lightning

MAN-MADE SOURCES

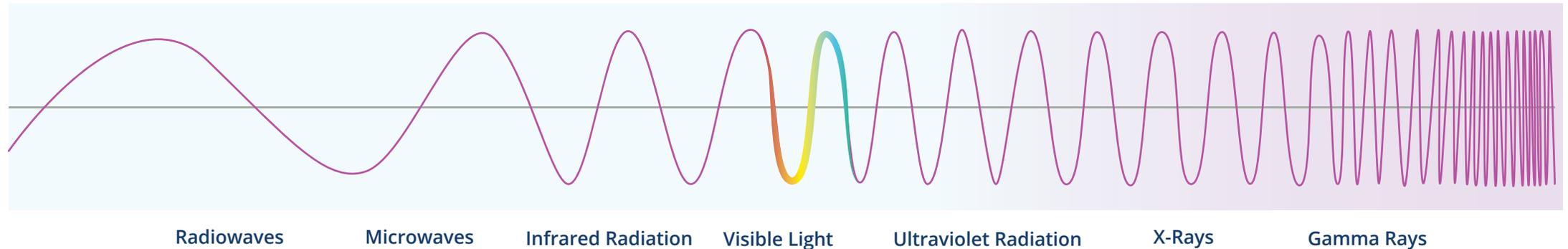
- Electrical systems
- X-rays
- Wi-Fi modems
- Remote controls
- Mobile phones



What Electromagnetic Radiation Are We Using?

LOWER ENERGY

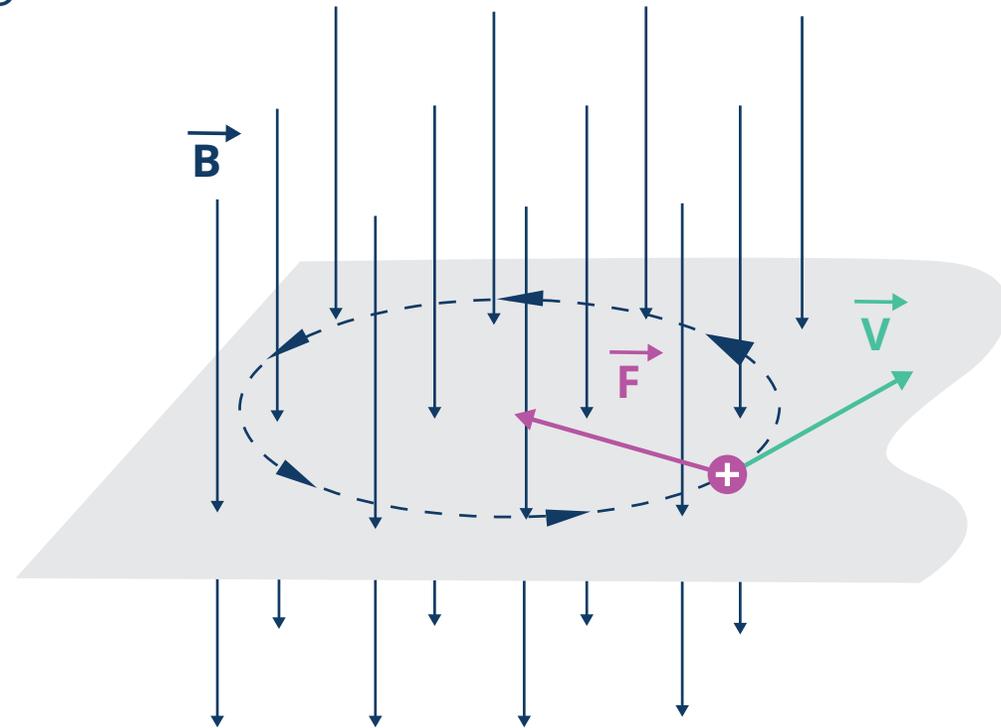
HIGHER ENERGY



- All electromagnetic waves possess a frequency and a wavelength that determines the energy that they carry.
- Electromagnetic waves travel in straight lines and at the speed of light.

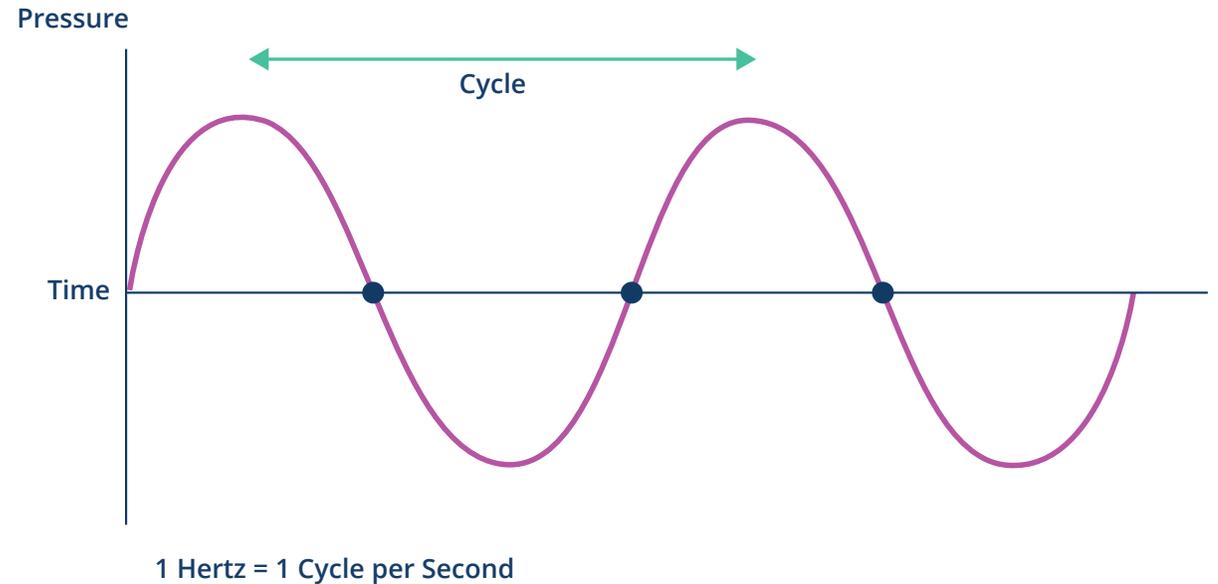
The Influence of Magnetic Fields on Charged Particles

- When a magnetic field is applied, charged particles move in a circular path.



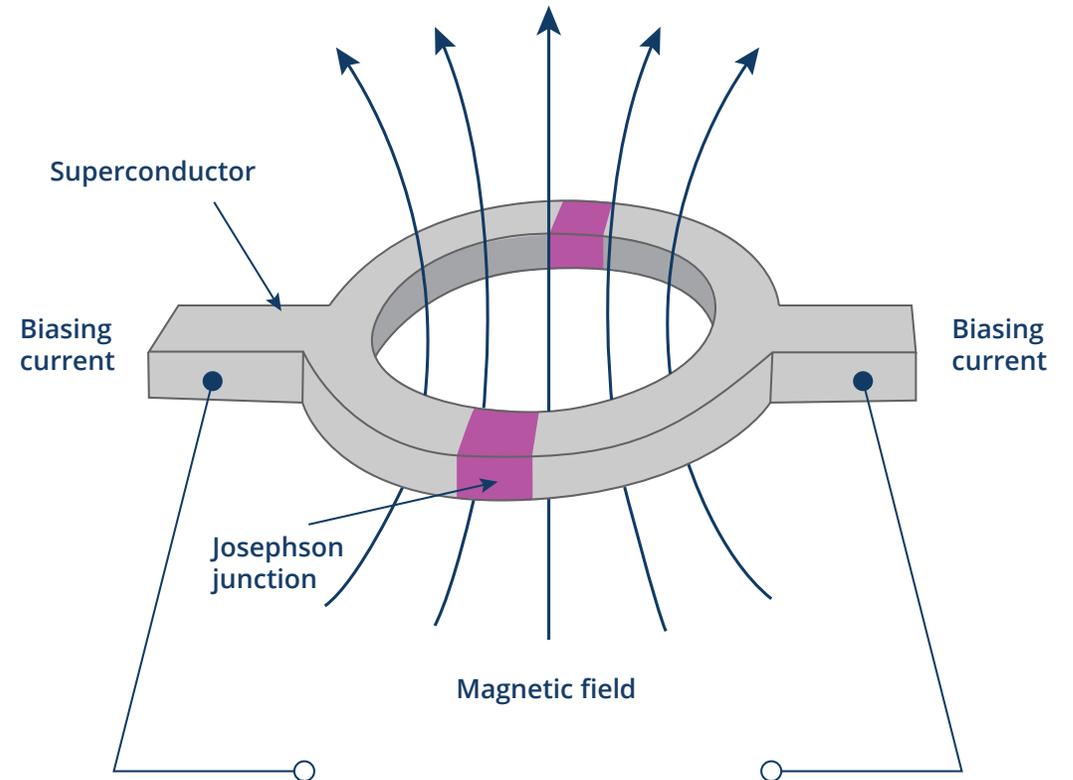
How Are Electromagnetic Fields Measured?

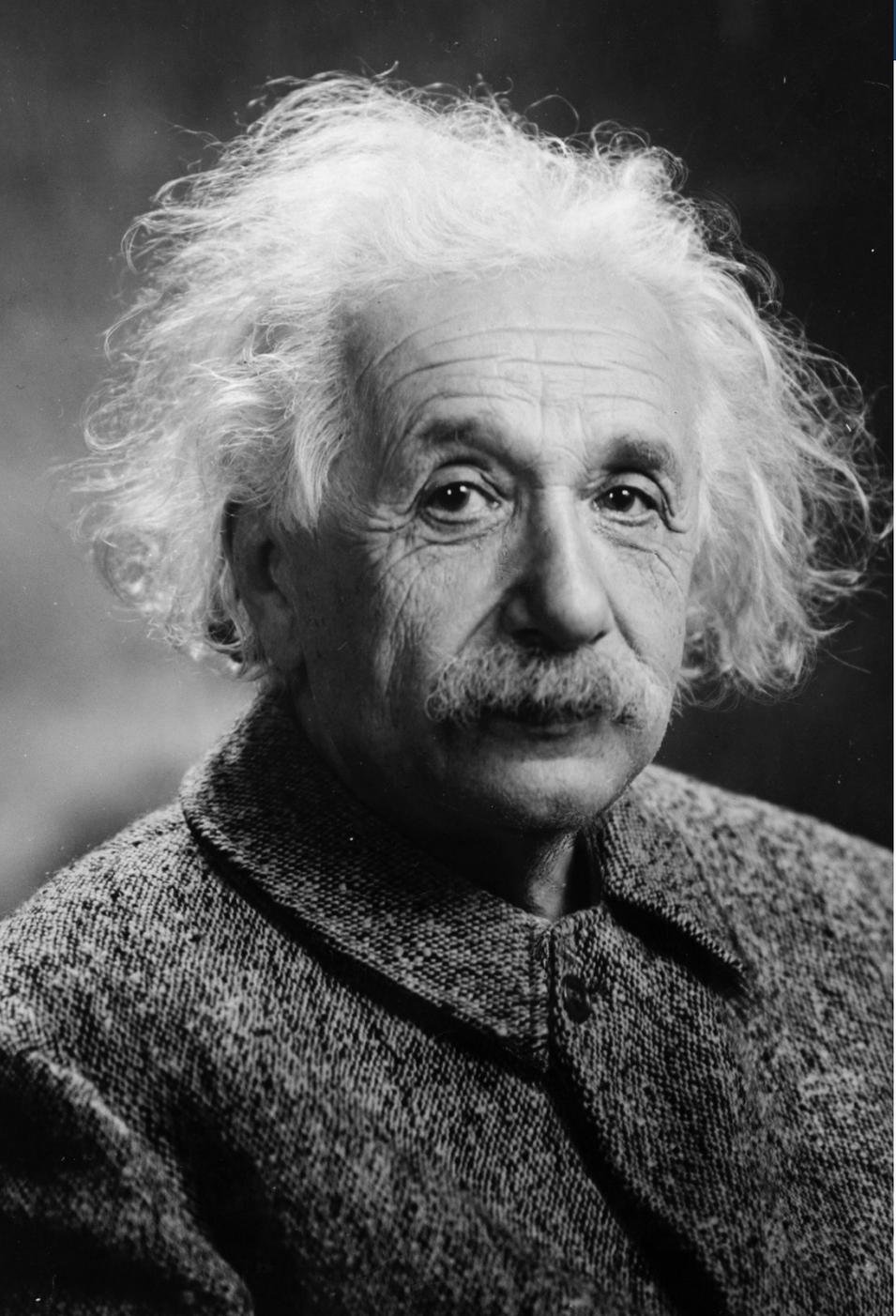
- Electromagnetic fields are measured in terms of frequency, which is measured in Hertz, and magnetic field strength, the unit of which is A/m (amperes per meter).



Magnetic Field Measurement

- The unit of measurement for the magnetic field strength (H) is A/m (amperes per meter).
- The magnetic flux density B is measured in Newton-meters per Ampere (Nm/A), also called Tesla (T)
- Superconducting quantum interference devices (SQUIDs) are used to measure the weak magnetic fields of the heart.



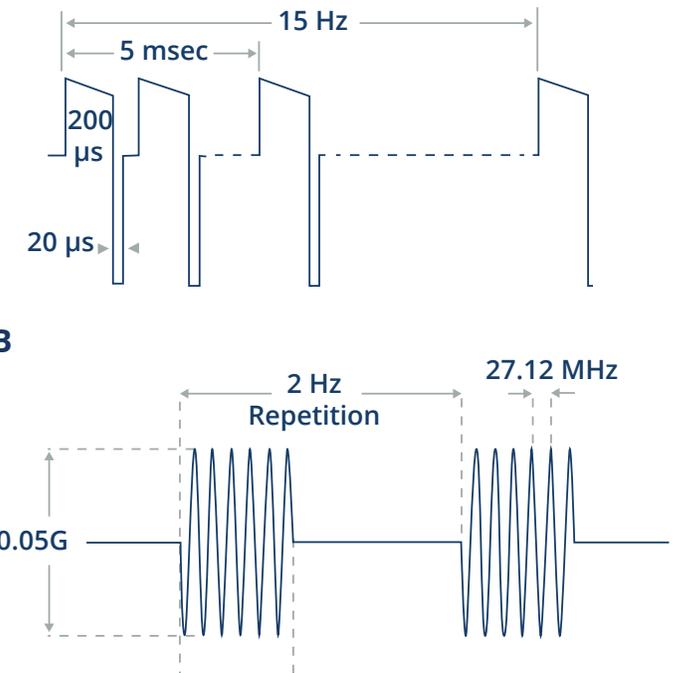
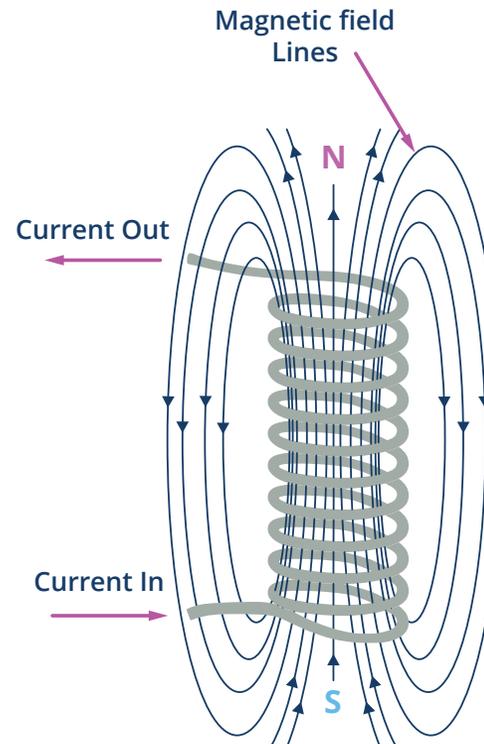


What does Einstein have to say about this?

- His principal formula is $E=mc^2$
- Matter and energy cannot be created neither destroyed
- Matter and energy are different forms of the same thing
- Consequently, matter can be converted into energy and energy into matter.
- This means that every electromagnetic field has an effect on matter.

How Is a Pulsed Magnetic Field Generated?

- To create a magnetic field, a wire is wound into a coil through which current is passed. By applying electric current pulses, a magnetic field with a certain frequency can be generated. The frequency is measured in Hertz (Hz).
- MagHealy uses two planar coils in combination with two frequency generators. Thus, MagHealy can generate two independent frequency-modulated magnetic fields up to a frequency of 12.5 MHz.



The Effects of Magnetic Fields on Our Existence



Geomagnetic Activity

- Our entire existence is constantly influenced by the magnetic and electromagnetic interaction between Earth and space.
- MagHealy is using similar magnetic fields to support you in many different ways.

The Effects of Geomagnetic Activity on the Human Body

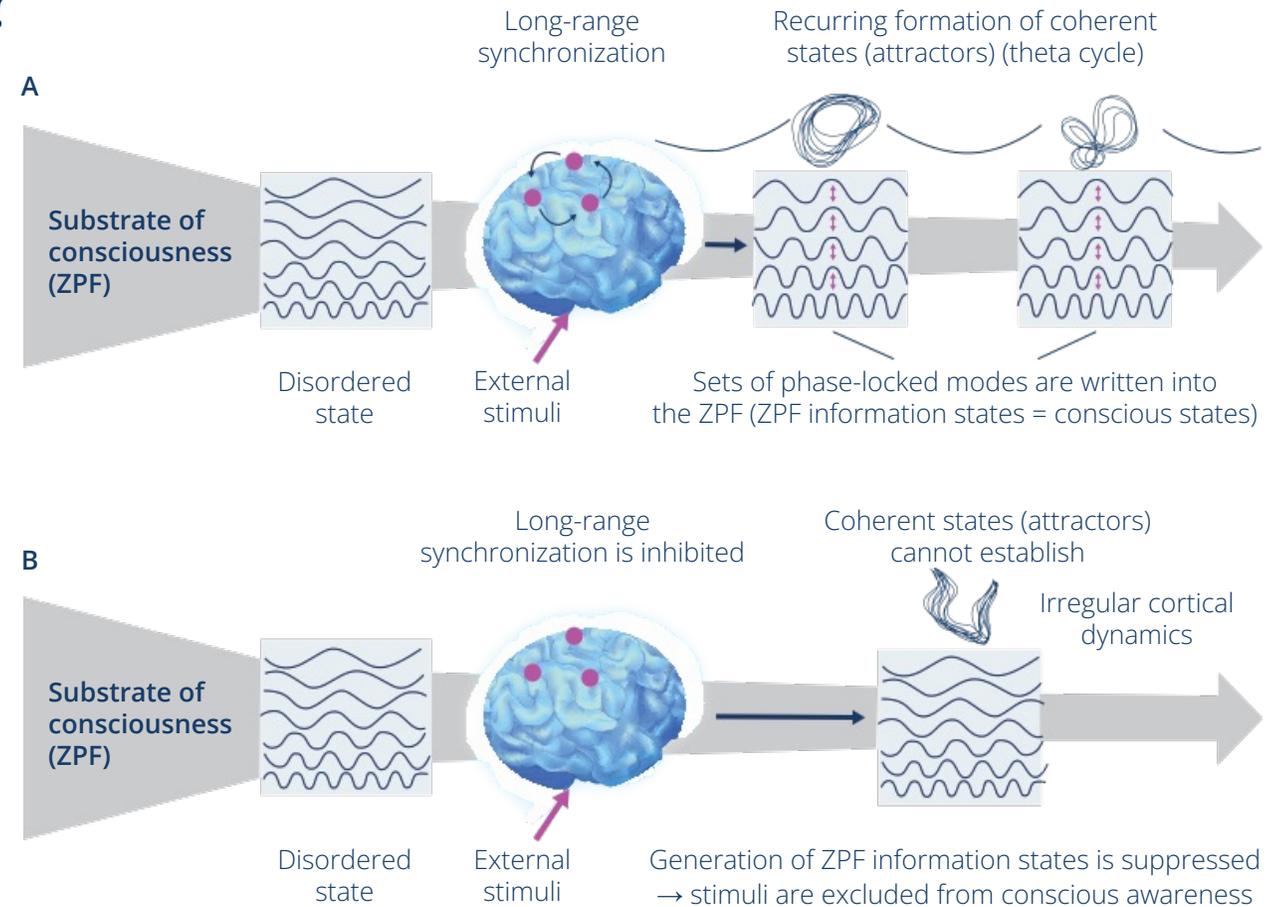
Geomagnetic activity has been found to correlate with the human nervous system; the human body responds to changes in solar and geomagnetic activity and is synchronized with magnetic field changes associated with geomagnetic field line resonances and Schumann resonances (Rollin McCraty 2017).



Ionosphere

Is Consciousness Based on Electromagnetic Fields?

- Anglo-Irish scientist Johnjoe McFadden states that the electromagnetic field carried by the brain is the actual carrier of human consciousness. This is also known as the CEMI (Conscious Electromagnetic Information) field theory.
- Another researcher, Dr. Susan Pockett, suggests that the electromagnetic field comprises a universal consciousness that experiences the sensations, perceptions, thoughts and emotions of every conscious being in the universe.



The icon for the MagHealy Atmosphere App, which is a purple square containing a white, stylized graphic of concentric, overlapping curved lines that resemble a signal or a magnetic field.

The MagHealy Atmosphere App

- The MagHealy Atmosphere programs create a pulsating magnetic field that extends up to one and a half meters (or five feet) across a room. The Atmosphere programs are acting through the atmosphere, through space.

Please note: The power of magnetic fields decreases with the third power.



MagHealy Atmosphere Study

Assessment:

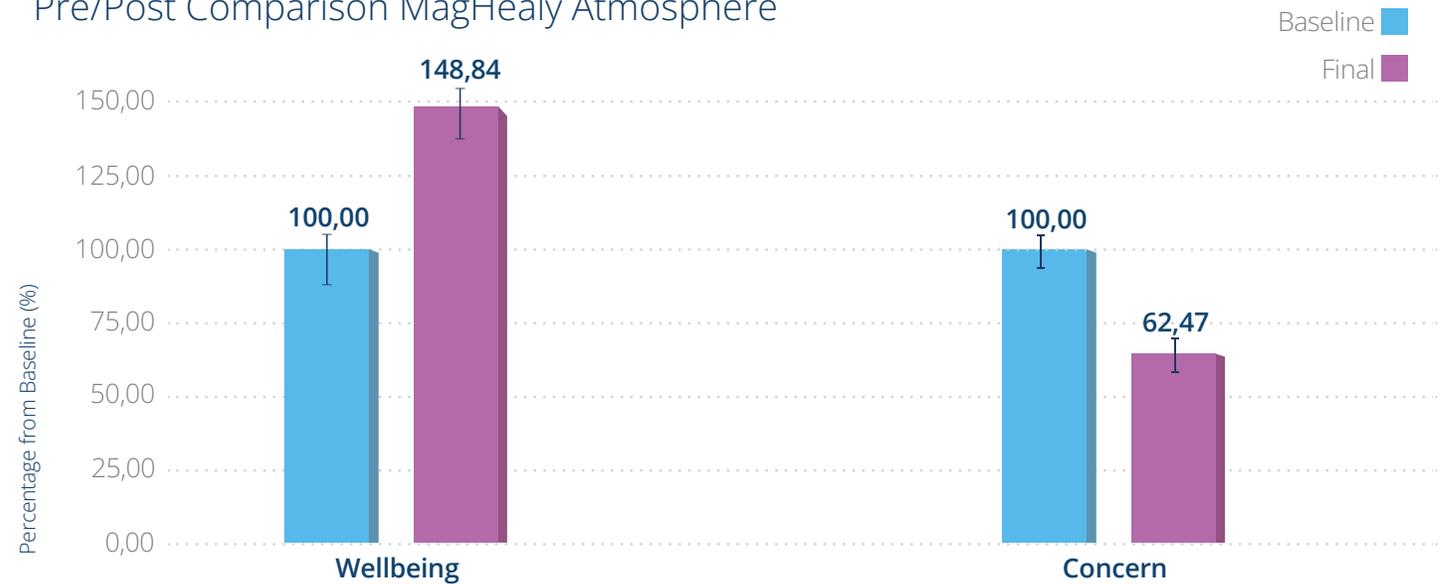
- **Quality of life** (WHO-5)
- **Decrease in Concerns** (Mymop)

Study programs:

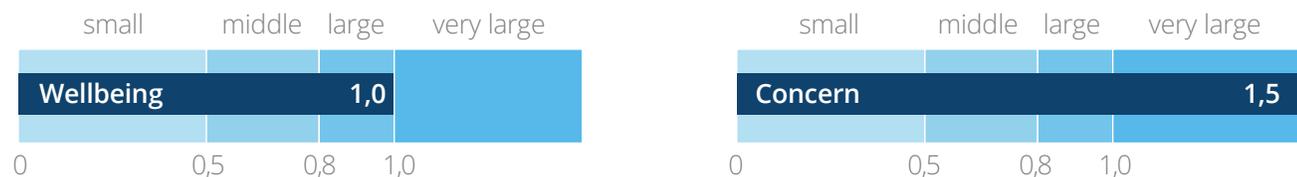
- **Holistic Health** (morning)
- **Sleep** (evening) are used daily for basic harmonization

Incentive: Deep Cycle H program group

Pre/Post Comparison MagHealy Atmosphere



Effect size (Cohen's d*)



Randomized, 14 days, 3-arm controlled study (MagHealy programs vs standard Healy application vs waiting control with MagHealy; 188 participants, Error bars = 95 confidence interval)

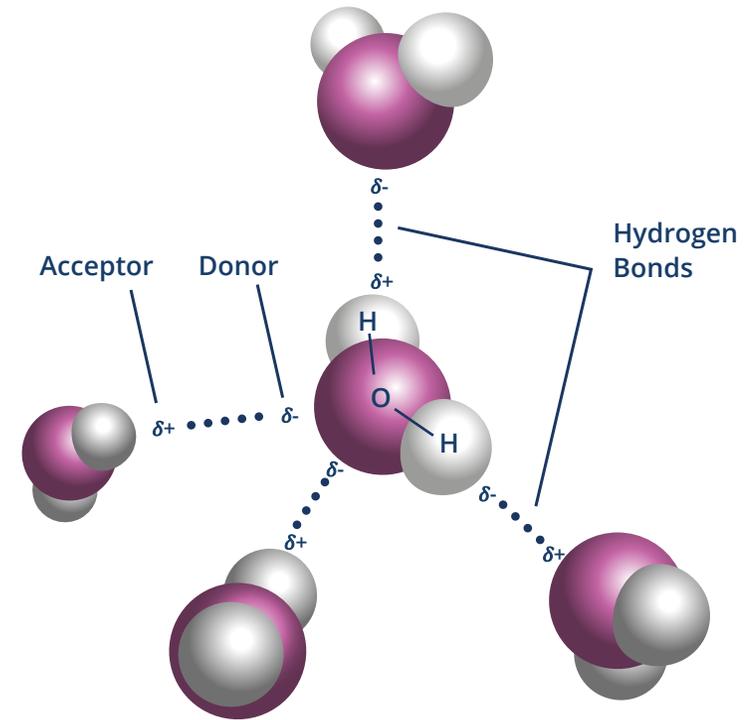
*d<0.5 small effect; d=0.5-0.8 middle effect; d=0.8-1.0 large effect; d>1.0 very large effect.

Effects of Magnetic Fields on Water



Hydrogen Bonds Between Water Molecules

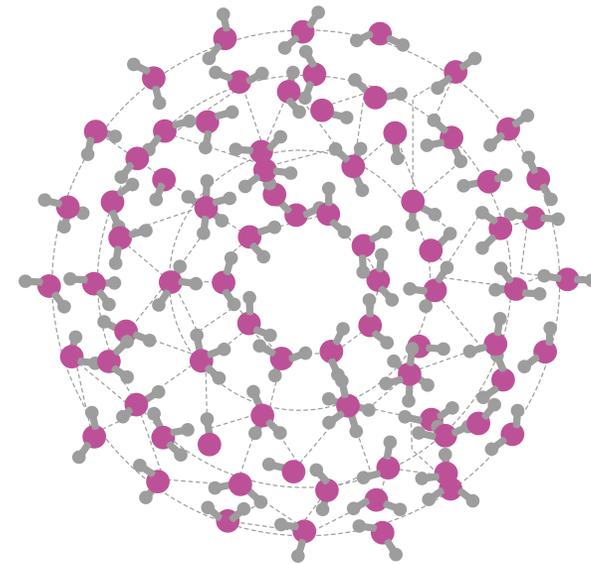
- Water molecules (H_2O) have a polar structure, which is why hydrogen bonds can form. A hydrogen bond is an electromagnetic force between the acceptor H^+ (hydrogen atom) and the electronegative donor O^- (oxygen atom).
- Each water molecule has two free electron pairs and can therefore be bound to up to four other water molecules.



Arunan, E., Desiraju, G., Klein, R., Sadlej, J., Scheiner, S., Alkorta, I., Clary, D., Crabtree, R., Dannenberg, J., Hobza, P., Kjaergaard, H., Legon, A., Mennucci, B. & Nesbitt, D. (2011). Definition of the hydrogen bond (IUPAC Recommendations 2011). *Pure and Applied Chemistry*, 83(8), 1637-1641. <https://doi.org/10.1351/PAC-REC-10-01-02>

Complex Water Clusters Based on Hydrogen Bonds

Since water molecules have the ability to form hydrogen bonds, they can also form complex clusters in water, which give water its special properties.



The Effects of Magnetic Fields on Water

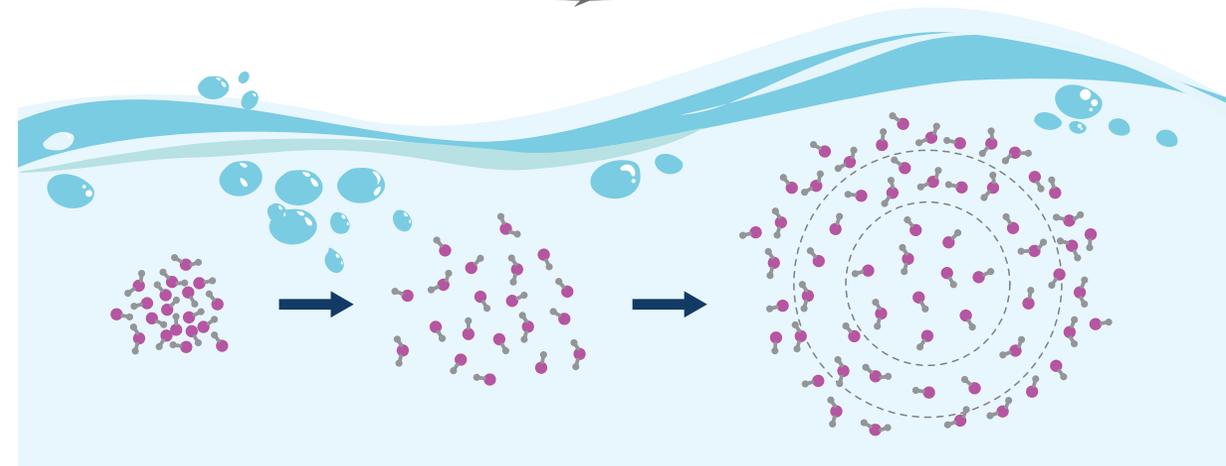
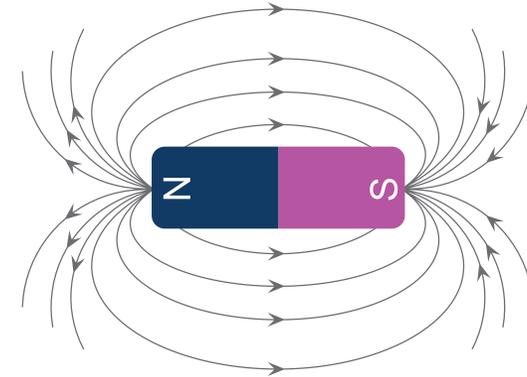
MEASURED EFFECTS

- Decrease in surface tension
- Increase in viscosity at room temperature
- Change of the rotational movements of water molecules – also used for Magnetic Resonance Tomography (MRT)

ASSUMED EFFECTS

- Reducing the intramolecular energy of water
- Increase in activation energy
- Change in hydrogen bonding and increase in mean size of water clusters.

Ran Cai, Hongwei Yang, Jinsong He, Wanpeng Zhu, The effects of magnetic fields on water molecular hydrogen bonds, December 2009, Journal of Molecular Structure 938(1-3):15-19, DOI:10.1016/j.molstruc.2009.08.037



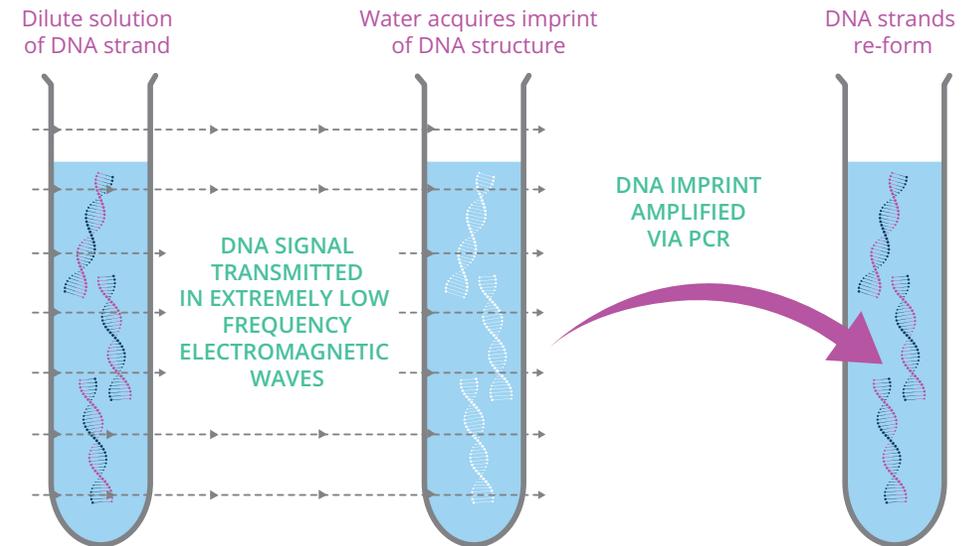
Electromagnetic Information in Water

- The work of French immunologist Jacques Benveniste, continued experimentally by Luc Montagnier et al. and extended theoretically by Francis Beauvais, revealed the phenomenon of electromagnetic information generated by low-frequency electromagnetic waves in nanostructures of water.

Francis Beauvais, Emergence of a signal from background noise in the „memory of water“ experiments: how to explain it?, EXPLORE, May-Jun 2012;8(3):185-96. PMID: 22560757 DOI:10.1016/j.explore.2012.02.004

Luc Montagnier 1, Jamal Aïssa, Stéphane Ferris, Jean-Luc Montagnier, Claude Lavallée, Electromagnetic signals are produced by aqueous nanostructures derived from bacterial DNA sequences, Interdiscip Sci. 2009 Jun; 1(2):81-90. doi: 10.1007/s12539-009-0036-7. Epub 2009 Mar 4

A weak electromagnetic field can form an imprint of a DNA strand in pure water, which can then be used to reconstruct the original DNA



The icon for the MagHealy Water App, which is a dark blue square with rounded corners containing a white water drop above several white concentric circles representing ripples.

The MagHealy Water App

- The MagHealy Water application contains different programs for informing drinking water with QAF (Quantum Analyzed Frequencies)* magnetic fields emitted by MagHealy.
- We understand water as the material form of the Information Field, consisting of molecules that are electric dipoles and contain all the information on which life is based. It holds a very specific frequency spectrum that made the development of life on this planet possible in the first place!



* "Quantum Analyzed Frequencies" ("QAF") is a proprietary technology of Healy World. It uses the data from a physical noise source to assign a priority to frequencies that our experience shows have the highest relevance for the user.

MagHealy Water Study

Assessment:

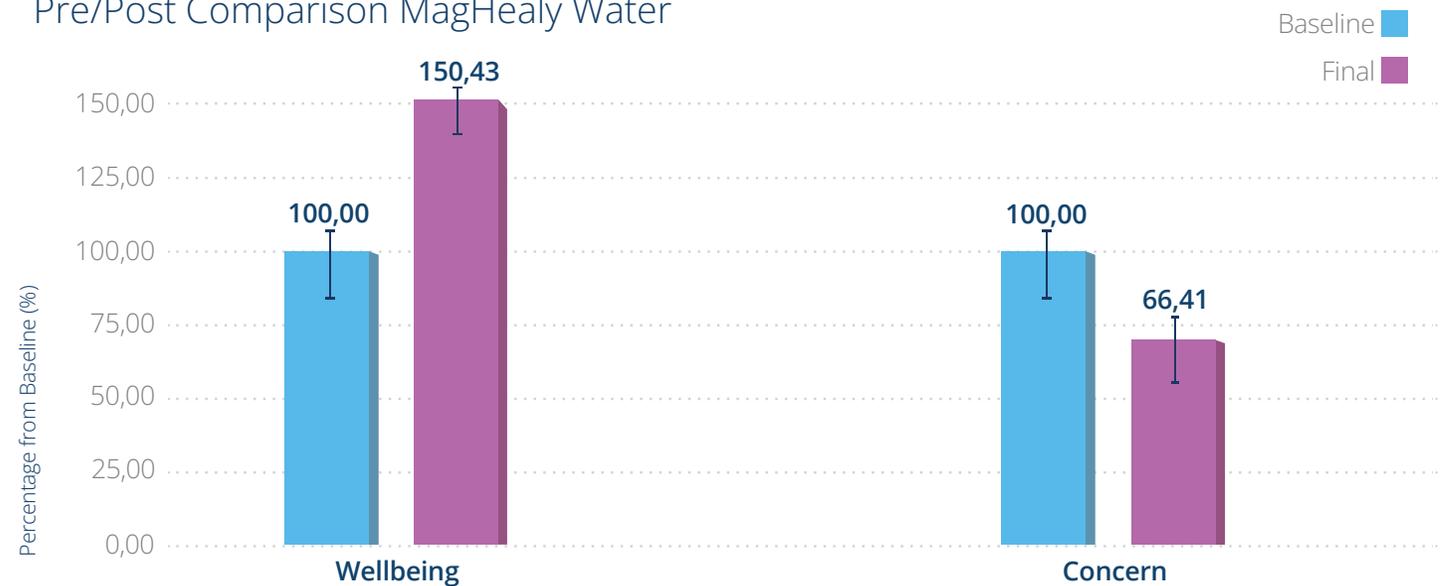
- **Quality of life** (WHO-5)
- **Decrease in Concerns** (Mymop)

Study programs:

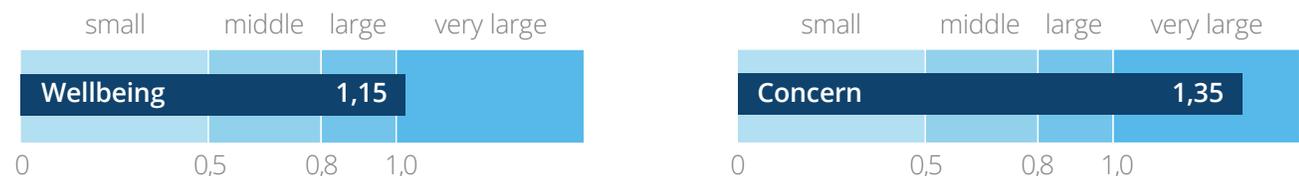
- **Fitness** (morning)
- **Energy** (afternoon)
- **Cell Harmony** (evening)

Incentive: Deep Cycle H program group

Pre/Post Comparison MagHealy Water



Effect size (Cohen's d*)



Randomized, 14 days, 2-arm controlled study (MagHealy programs versus waiting control group with 162 participants, Error bars = 95 confidence interval)

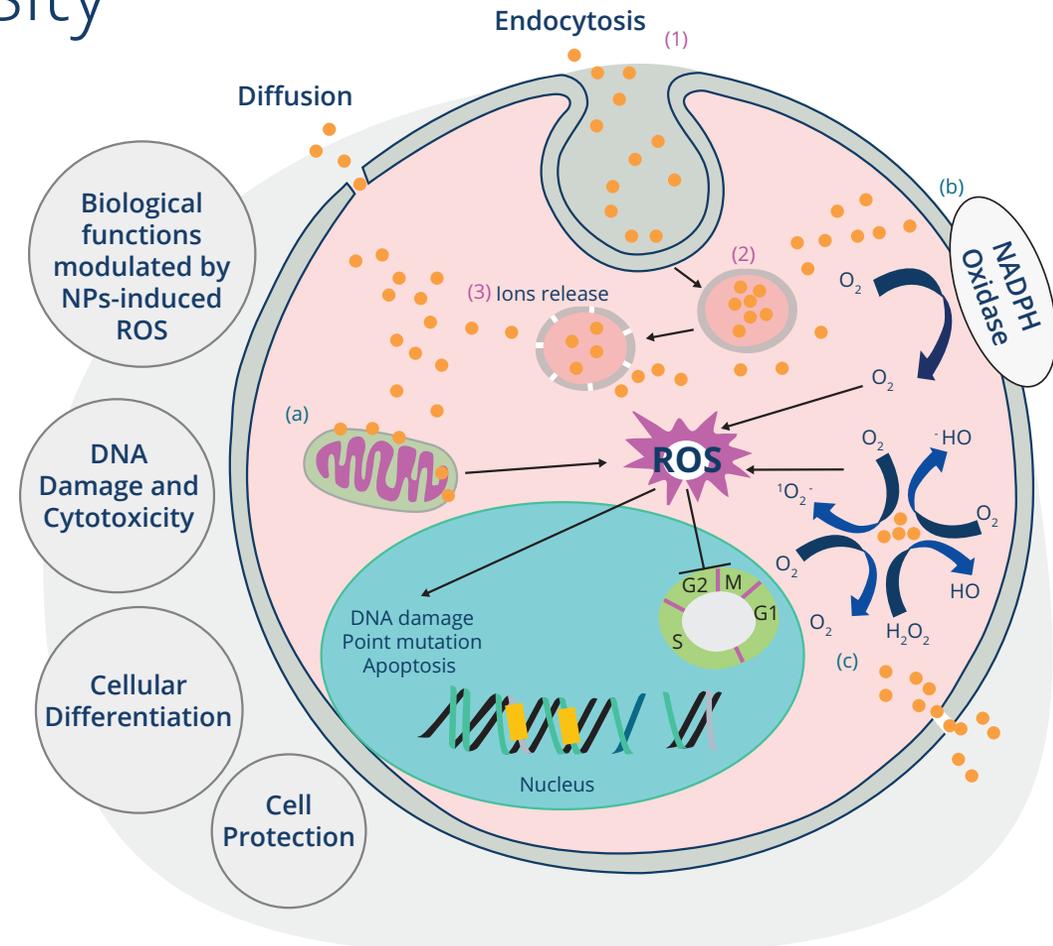
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Effects of Magnetic Fields on the Body



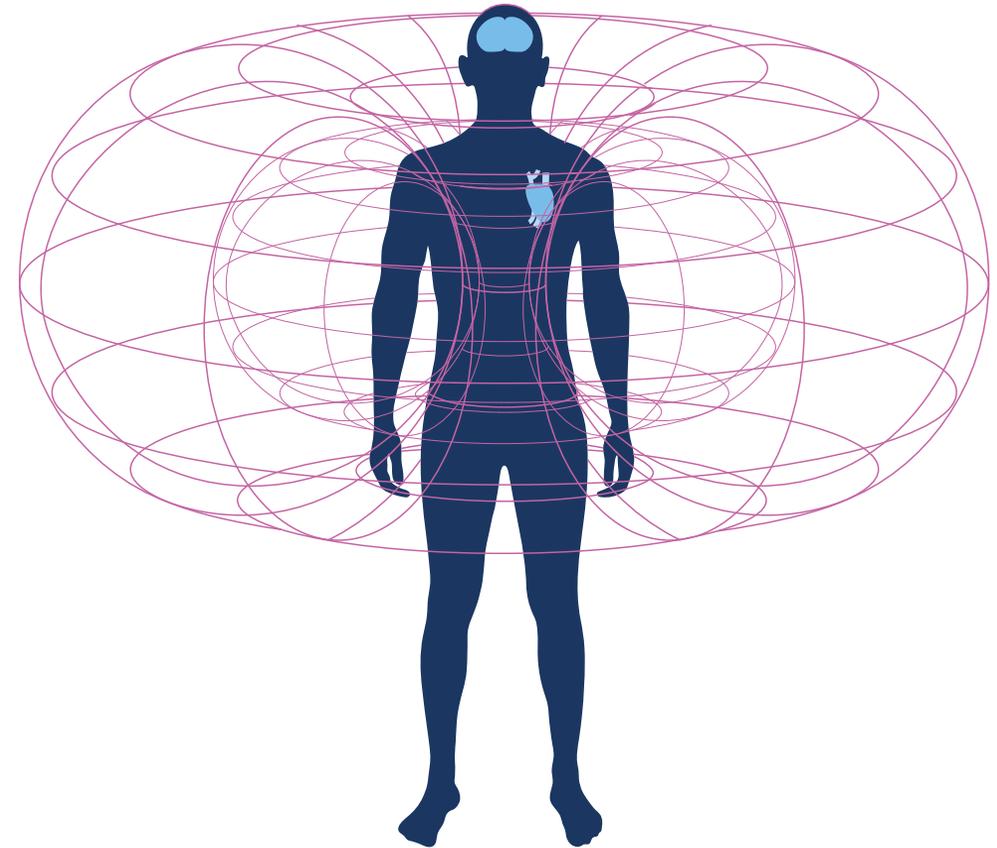
Electromagnetic Field Intensity

- The intensity of electromagnetic fields can have either a positive or a harmful effect on humans.
- In a study on the effect of magnetic fields at the cellular level, it has been shown that depending on the intensity of a magnetic field acting on the cells, a corresponding amount of reactive oxygen species (ROS) is formed, leading to either a positive effect (at low intensity) or a pathological effect (at too high intensity) (Sherrard 2018).



Electromagnetic Fields and the Human Body

- Countless weak electric currents and thus electromagnetic fields are permanently generated in the human body.
- Our digestion, brain activity, heart function and central nervous system function only through the redistribution of charged particles.





The MagHealy Classic App

- The MagHealy Classic programs provide the effects of magnetic field application.
- They are enhanced with Healy technology and use Quantum Analyzed Frequencies (QAF)* that are determined by the proprietary Healy biofeedback process recently patented in Europe (EU patent number: 3638360).



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