

# Water Memory Could be an Effective and Safe Therapy for Mind and Brain Related Disease



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## Abstract

Science of 21<sup>st</sup> century needs new paradigm beyond materialism. New paradigm will be initiated from the unexplainable fact. Quantum science came from the trial to explain the unexplainable fact, black body radiation. This time it could be water memory which is not explained with current science based on materialism. New paradigm explains water memory with 3D wave inherent to matter. 3D wave is faster than speed of light and exists in the area of imaginary number. 3D wave can be separated from the matter to water. 3D wave of hormone in water as separate entity can be interacting with hormone, leading to cellular transmission. 3D wave of medically effective substances can be stored in water and can be utilized successfully for treating various diseases. 3D wave of the substance stored in water could be especially effective in for curing mind and brain related disease. Virtually every neurotransmitter which cannot pass through Blood Brain Barrier (BBB) could be medically utilized using memorizing ability of water. Water memory could become effective and safe therapy for mind and brain related diseases, as there is no need to bypass BBB.

**Keywords:** Homeopathy; Water memory; Pilot wave; 3D wave; Imaginary matter

## Homeopathy and Water Memory

The story of water memory begins from homeopathy. Homeopathy views diseases symptoms originated from the human body's natural healing process. Homeopathy uses toxic substance to enhance the ability of natural healing. It is thus very natural that homeopathy tried dilution method to reduce harmful effect of toxin. Homeopathic dilution is carried out with physical stimulation (vigorously shaken by 10 hard strokes at each dilution termed as succussion in homeopathy). What homeopathy found is that even though the poisonous substance gets diluted to the point where molecule is no longer exist, its effect still remained, which should mean 'water memory'.

Even though it has been used successfully clinically for over 200 years, homeopathy has been ignored by the orthodox medical circles until now because current science could not explain how a substance's effect to be shown without actual substance. However, there have been many verification experiments done on homeopathic effects in the past decade. Furthermore, about 80% of those showed that homeopathy have different effects from placebo effect [1-2].

If homeopathy is effective therapy, it implies that water could store the information of toxins to boost natural healing power. If water could store the information of material, then this capacity does not need to be confined to homeopathy.

## Scientific approach begins from Benveniste

Although French scientist Benveniste did not know about homeopathy, he was the first to show water's memorizing ability in scientific way. In 1988 Benveniste published a controversial article showing a biological reaction of ultra-high diluted solution of antiserum against IgE [3].

Basophil is degranulated by binding of its antiserum to surface and degranulated basophil releases histamine. Basophil is colored blue by the dye called toluidine blue. However, when histamine is released, basophil loses blue color.

In his paper it was demonstrated that human basophil degranulation was triggered by extremely diluted solution ( $10^{-120}$  of its original density) of antiserum where there left no molecule, which could be called as 'water memory'. This phenomenon was observed only when it is violently shaken at each dilution like homeopathy. Another interesting thing is basophil degranulation showed a phase of rise-fall repetition in the shape of a wave depending on the degree of dilution.

At first Benveniste could not believe what he found. Through repeated experiment he could convince his results, and invited three other laboratories worldwide, in Canada, Italy, and Israel to join his research. After they all get to the same conclusion through repeated experiments, they decided to publish in Nature.

Although Nature allowed publication, a follow-up investigation team was sent to Benveniste's lab, and they failed to replicate the original results (3 of 4 initial attempts turned out favorable to Benveniste, however 3 more trials after they designed a double blind procedure turned out negative). However, Benveniste refused to retract his controversial article, explaining that the protocol used in their trial was not identical to him [4]. He continued his researches, and published many papers showing water memory effect under various experimental conditions [5-7].

As biological reaction in the absence of any effective molecules cannot be explained by conventional theory focusing only on the water structure of which the hydrogen bonds last only picoseconds scale, the results of Benveniste and colleagues sparked many investigations with variety of seriousness. The most serious one was the research performed double blind by 4 independent European laboratories in 2004 [8]. The interesting fact was the purpose of their double blind test was to disprove Benveniste's research but instead proved that it was in fact true [9].

### New approach controlling cancer: water memory

Water memory could be reproduced in my laboratory. P53 is a DNA binding protein and functions as a potent tumor suppressor. However, there is virtually no practical way to utilize function of P53 clinically. If the molecular structural information of P53 (this wave part of the matter is expressed as '3D wave', as it decreases thermodynamic entropy and maintains 3D structure unlike spreading electromagnetic wave) could be transferred to water or any medium contacting water, various strategies could be possible [10].

New electronic device was devised to transfer 3D wave of the matter using 7.8Hz, resonance frequency of earth, instead of time consuming homeopathic technique. Subtle magnetic field generated by 7.8Hz frequency could activate and transfer the 3D wave of the matter to water and other medium.

The water to which 3D wave of P53 was transferred actually inhibited cancer proliferation, increased apoptosis, and showed anti-metastasis. Its anti-cancer effects were compared with those of hydrogen rich mineral reduced water (MRW) known to have anti-cancer effects together with anti-oxidant and immune boosting effect [11]. The water with 3D wave of P53 showed much stronger anti-cancer effect compared to MRW [10].

### 3D wave of DNA imprinted to water

Nobel laureate Montagnier recently showed that DNA polymerase could recognize 3D wave of specific DNA sequence of HIV transferred to water and produce new DNA copies [12,13] using PCR (Polymerase Chain Reaction). PCR is a general technique which amplifies specific DNA. PCR needs specific DNA material for original copy.

They could amplify specific HIV DNA out of pure water to which 3D wave of HIV DNA was transferred. This result suggests that 3D wave of DNA is the physical entity recognizable by DNA polymerase, even though it is not a visible (detectable) particle. They could

detect electromagnetic signal from the water to which 3D wave of DNA was transferred. Montagnier also used similar device to ours using 7.8Hz frequency to transfer the 3D wave of DNA to water.

### Inherent wave of the matter by de Broglie and Bohm

Benveniste thought that there is a wave inherent to molecule. When the wave propagated from molecule is transferred to a cell receptor through water, the wave can induce resonance of a receptor initiating intracellular signal transmission [5-7].

Inherent wave of matter is not a new concept. In 1924 de Broglie proposed that every matter has accompanying wave (matter wave) [14]. Matter wave was confirmed experimentally by measuring diffraction pattern of electron, awarding a Nobel Prize to de Broglie in 1929. De Broglie further suggested that there is another wave inherent to matter which is constantly moving through the matter guiding the trajectory of particle, and called it as pilot wave [15]. However, pilot wave has been long time forgotten until rediscovered by Bohm in 1952. Bohm developed pilot wave theory into what is now called the de Broglie-Bohm theory [16]. The de Broglie-Bohm theory suggests that underlying the observed probabilistic nature of the universe (general view of quantum science) is a deterministic objective property, which exists as hidden variable. The de Broglie-Bohm theory is now considered to be a valid challenge to the prevailing orthodoxy of the Copenhagen interpretation, but it remains controversial.

### Pilot wave faster than the speed of light forms 3D wave

In 1961 Eisberg [17] showed by calculation that pilot wave is much faster than the speed of light [16,17]. Pilot wave of mass particle moving below the speed of light should be faster than the speed of light by following equation:

$$w = \frac{c^2}{v_p}$$

w= Speed of pilot wave

$v_p$  = Speed of particle

c= Speed of light

For a positive mass particle which is travelling at  $v_p < c$ , we see as if waves moving faster than the speed of light. According to Tiller, pilot waves are always constantly moving through the matter from the rear to the front, just as occurs in water waves, directing a mass particle [18]. Calling such wave as 'information wave', as it does not spread out like electromagnetic wave and rather decrease thermodynamic entropy (negative entropy), Tiller suggested mass particle and information wave interacts so as to be experimentally operational. Pilot wave is expressed as 3D wave in this article, as it forms a field with 3D structure by constantly moving around the matter

### Water memory explained by 3D wave

According to Tiller [18], pilot wave of the matter could be transferred to water by physical stimulation as in homeopathy. If 3D wave separated from the matter to water still constantly moves

faster than speed of light, it would not spread out and decrease thermodynamic entropy. If anything which is not a particle does not spread out and affect other particle, it should be carrying out its effect as a field. Bohm expressed this field characteristic of pilot wave as 'quantum potential' which operates as hidden variable [16].

The structure of the field created by pilot wave in water must not be random. It would be reasonable to think that the field is similar to or at least related to that of original shape of the matter (expressed as 3D wave in this article).

The hypothesis regarding water memory could be summarized as following: 3D wave of the molecule transferred to water could exist as separate entity with similar field structure to original molecule and interact with cellular receptor, and then intra-cellular signal transmission could be initiated, which explains water memory.

### Imaginary Matter

If anything is faster than the speed of light, it should have imaginary mass according to special relative theory which does not allow speed beyond the speed of light.

$$m = \frac{m_0}{\sqrt{1 - v_p^2 / c^2}}$$

Where  $m$  is the total relativistic mass and  $v_p$  is the velocity of the particle

According to Dirac, space is full of particles with negative energy and negative mass (Dirac sea of vacuum) [19]. This corresponds to the area of imaginary number. The world consists of real area with positive energy and imaginary area with negative energy. When enough energy is given to the particle with negative energy in imaginary area, it jumps to real physical area, leaving a hole in imaginary area. A hole in imaginary area corresponds to anti-matter. Only infinitesimal part of space was converted to matter in this universe.

Matter consists of real part (physical area) and imaginary part. Imaginary part of the matter (called as imaginary matter in this article) could not exist like the particle in physical world but carry out its effect by creating a field by constantly moving around the matter faster than the speed of light. When imaginary part was separated from original matter in water, it still could interact with other matter as demonstrated in water memory.

Combining both pilot wave theory and Dirac sea of vacuum, it could be suggested as following: Matter consists of both real part and corresponding 3D wave which is faster than speed of light. Imaginary part of the matter could be separated from the matter and interact with other matter (or 3D wave of other matter).

### 3D wave effective for brain diseases

3D wave of the substance stored in water could be especially effective in for curing brain disease. Brain is protected by blood brain barrier (BBB) which inhibit drug from outside to pass through

brain. For example, serotonin deficiency is related to depression. However, there is no way to put serotonin through brain because serotonin could not pass through BBB. Thus, it is needed to bypass BBB.

SSRI (Selective Serotonin Reuptake Inhibitor) class antidepressant drugs are representative bypass drugs and are most widely prescribed currently. They delay the reuptake of serotonin resulting in serotonin persisting longer in brain. Although SSRI class antidepressant drugs are regarded as relatively safe drugs, they have serious side effects such as to increase the risk of suicide and to increase tendency for violence [20]. However, if 3D wave of serotonin itself could be given to patient using memorizing ability of water, we can imagine that it could be an ideal safe drug, as there is no substance causing unwanted side effects like SSRI class.

Other than serotonin virtually every neurotransmitter which cannot pass through BBB could be medically utilized with the digitization technology or using memorizing ability of water [20]. It is being observed that many patients with diseases related with brain such as depression, anxiety, insomnia, dementia, Parkinson's disease and even ADHD (Attention Deficit Hyperactivity Disorder) and autistic children get improved by drinking water with 3D wave of corresponding neurotransmitter [21].

### Era for new paradigm beyond materialism

Water memory was already proved scientifically by many researchers [3-7,10,12] and also by the researchers who intended to disprove water memory [8]. What is needed more than facts is the scientific theory to explain water memory.

Current paradigm views world as materialism. Every biological reaction occurs by physical contact between molecules. If we scale the size of the cell as big city like Seoul where more than 10 million people live, the size of each molecule almost corresponds to each person. The meeting between two people without prior appointment when and where would be almost impossible. The biological reaction by physical contact between molecules cannot explain the fast reaction of living body.

If the interaction between imaginary matters (3D wave) could lead to cellular signal transmission, it does not need physical contact between molecules. If the interaction between matter and imaginary matter, or between imaginary matters is fast and good enough to induce cellular signal transduction, there is no need to rely on the materialism which cannot explain fast biological reaction. Water memory shows that biological reactions could occur without presence of materials. Investigation of water memory could lead to an era for new scientific paradigm beyond materialism.

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