

Water Memory

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Abstract

The controversial topic of water memory has sparked an angered debate amongst those in the science community. First proposed by Jacques Benveniste water memory is a phenomenon where after heavily diluting a substance from a solution to the point where it is no longer present, the solution will still give off the intended biological reaction. Related to this phenomenon is another controversial topic called Homeopathy. Both ideas use the same mechanism. Homeopathic medicines are used in treatment for children with ADHD and are shown to have positive effects so that parents do not have to put their children under medicated narcotics at a young age. Homeopathy and water memory are proved through several methods, experiments, and paradigms. Through this new evidence that continues to get published, more and more scientists get on board with the idea. Two Nobel Laureates, Brian Josephson and Luc Montagnier are just a few out of many other scientists on board. Past and present evidence can lead to further conclusion on what this discovery can mean for us humans. The compelling evidence is unavoidable to keep insinuating that water memory is a hoax.

Introduction

Water memory is the idea that water can carry and pass on molecular information. It is claimed that water can hold a substance's memory, or structural information, that has gone through a series of several dilutions and still make a biological reaction occur. Even if the substance is no longer physically there, its energy field still remains in the solution allowing the reaction to still work.¹ Jacques Benveniste, a French immunologist, was the first person to propose and support the idea of water memory. He published an article in *Nature* in 1988 suggesting that human basophil degranulation still works even in the absence of its antibody.² Usually having a low diluted substance cannot trigger any biological reactions, but Benveniste showed that even with his substance diluted so far as to be absent at the molecular level, the energy field that first came with it still remained. Benveniste went on to win a parody Nobel prize for his creative outside of the box discovery on water memory. Because of his unusual claim on this topic, water memory has become a highly controversial subject in the scientific community. Some scientists will not try to comprehend the physics or chemistry behind it, while others have put in effort to understand it and produced studies and paradigms around it. Researching the past, recent, and present studies, has led me to firmly believe the existing claim of water memory.

Discussion

Water memory is a mechanism used in homeopathic remedies. Homeopathy is a type of complementary and alternative medicine where the mind and body are incorporated in the healing process. It helps individuals with ailments by first alleviating their emotional and mental states and then their physical state. If an ill patient is overwhelmed emotionally or mentally, it can worsen their physical symptoms. Homeopathy was discovered and “potentized” by Samuel Hahnemann, a German physician in the early 1800’s.³ It is the oldest known unorthodox medicine to have come out of Europe. Hahnemann made the discovery when he started taking regular doses of a substance called, cinchona. The substance produced all the symptoms of malaria but without the harsh traits that comes with the disease. In his eyes, homeopathy worked by giving a type of medicine or remedy that, if given to a healthy individual would provoke the condition or illness, would help the sick individual and cure them of that condition or illness. Based off the “law of similar”, the medicine given to the ill person should only be given in a small amount that is just enough to provoke minimal symptoms of the disease that is being treated. In homeopathy, the way a remedy is potentized is through several serial dilutions. It is diluted to the point where no molecules of the substance remain, but the energy or physical properties of the substance remain. After the remedy is potentized, it is then shaken vigorously to increase the potency of it through a process called “succussion”.⁴ This is related to water memory because water memory remembers and stores the information of a previous diluted substance. After the dilution process when there is no trace of the substance left, the remedy still remembers the information that was stored from the now non-existing substance. It is the substances way of imprinting itself into the solution even after it is gone. I firmly believe in this holistic approach because of previous studies done in the past on how the mind and body correlate and work with each other.⁵

In cases where treatment for children with attention deficit hyperactivity disorder is not crucial, homeopathic treatments are a helpful alternative for parents that feel uneasy by putting their children under medicated narcotics like methylphenidate. A study was done by Heiner Frei and André Thurneysen to assess how successful homeopathic treatments are in children with ADHD compared to the treatment of methylphenidate.⁶ The study consisted of 115 children ranging from 3-17 years of age. For the patients to be eligible for this study, it was made sure that each patient complied with the DSM-IV criteria. All the patients received their own homeopathic treatment. When a clinical improvement of 50% was reached, the patients were reevaluated. The other patients that showed no significant improvements with the homeopathic treatment were placed under methylphenidate and reevaluated after 3 months. After 3 months, all the patients were evaluated again. Frei found that 75% of them responded to the homeopathic treatments achieving a clinical improvement of 73%. 22% of the patients that did not respond to the homeopathic treatments but responded under methylphenidate, reached a clinical improvement of 65%. The remaining 3% of the patients didn’t respond to either treatments. These results show that both treatments seemed to have similar effects, but homeopathy showing a better alternative for preschoolers. Many criticized this study because it was not done completely blinded, thus the results are insufficient. Frei and Thurneysen produced another study to test the

effectiveness of homeopathic treatments and gather scientific evidence, but this time they made it a randomized, double blind, placebo controlled crossover experiment to get their valid results.⁷ Instead of analyzing improvement in this study, deterioration was assessed between Verum and a placebo. 86 children were chosen between the ages of 6-16 years old and met the requirements through DSM-IV criteria. Originally like in their previous study⁶ each patient got their own homeopathic medicines and continued in the trial. In this study however, prior to the start of the trials, only the patients that reached a 50% improvement in Conners' Global Index, which is the scale used to assess disorder in adolescents, could participate in the trials. The 62 out of 83 patients that were eligible to participate were split into 2 groups. Group A received Verum for 6 weeks followed by a placebo for another 6 weeks. Group B received the placebo for the first 6 weeks and then Verum for the next 6 weeks that followed. Both groups received an open label treatment for another 6 weeks with a long term follow up. Results show that ADHD characteristics improved significantly under open label treatment. During the crossover trial, CGI's were much lower under Verum than under the placebo, but long-term CGI improvement under Verum reached 63%. The difference in CGI between Groups A and B showed a statistical significance of $P=0.0479$. similar like in the previous study. CGI decreased by 17% possibly due to the specific medications everyone got for themselves, which in turn carried out a stronger carry-over-effect. Patients with ADHD symptoms also experience an improvement in their social, emotional, and cognitive behavior. It can't be a spontaneous change because it has been observed that after the trial was over and medication stopped there was a slow decline in the deterioration rate over a period of several months. In conclusion of the study, homeopathic treatments show positive effects for adolescents with ADHD.

Before, Scientists were unable to measure the degree of potency carried in homeopathic remedies. As of now, it can be measured using a newly developed magnetic resonance method¹¹. This new method detects the magnetic photons in the homeopathic potentized remedy. Homeopathic remedies with high potency frequencies in resonance reduced the magnetic field, thus concluding the presence of the magnetic photon in the potencies. The method produces longitudinal waves at their specific resonance frequency in the low micro voltage HF range via two tesla coils. What it is really doing is separating the photons from their carrier molecule at their own resonance frequency and each potency will have its own resonance frequency high or low. This is known as the "information." The results shown in this new method proves that the alternative method of homeopathy is used by reducing the level of energy of the pathological pathways by the magnetic photons. To test this new method, high homeopathic potencies labeled, XMK, LMK, and CMF, were laid into electric fields in a Faraday cage so that environmental transmitter waves would not interrupt. They were put into the maximum resonance of the magnetic field. The results showed that the magnetic field of the tesla coils by the high potencies. Results further show that the higher the succussion for each potency, the higher the energy. In conclusion this supports the hypothesis of a new method to measure the degree of potencies because it shows that each remedy carries its own specific energy and shows that it has different frequencies.

Many scientists are against the controversial topic of water memory because to them there are not plausible explanations or paradigms to get them to understand the phenomenon. They also disagree because reactions with water only last on a picosecond scale which is too quick for us to measure anything. The scientist Won H Kim makes a clever assumption stating that a wave of matter being separated is still stable enough to exist on its own matter⁸. He also states that this inherent wave is faster than the speed of light. If separation like this is possible then you can transfer the matter to water and it will still exist stably to be able to measure. If this interaction is possible and works in a quick matter to induce cellular signal transduction, then materialism, which is what current science relies on, would be irrelevant because it cannot explain biological reactions that happens quickly like this. The article also states that water memory can be reconstructed using the electronic method resonance frequency of earth, 7.8 Hz. It can help to transfer the wave of the 3D wave to matter. When the wave matter is transferred to water while keeping its stable entity and magnetic structure, then intracellular signal transmission can be activated.

Nobel Laureate Brian Josephson, founder of Josephson Junction, believes in the possibility of water memory. He believes that quantum entanglement can be used to describe water memory. Quantum Entanglement states that when you separate a particle into two and hold them away from each other, what happens to one the other can feel it and react to it just the same. They are 'entangled' to one another and are able to communicate with each other no matter how far apart they are.⁹ It is very possible that Brian Josephson's idea of using quantum theory to describe water memory can be a validate explanation of the phenomenon. In water memory the substance that is highly diluted to almost no existence and taken out of the solution stills gives off a biological reaction to give the desired effect on an individual. The physical structural energy that stays behind in the solution after it has been diluted as to be absent at the molecular level is entangled with the starting substance so that it still gives off a biological reaction. What ever information that substance held will still be observed when it is no longer present. Just like in quantum entanglement, the particles that are in two separate places at the same time communicate information with each other and what happens to one happens to the other.

Another Nobel Laureate Luc Montagnier, discovered the immunodeficiency virus, also agrees with Benveniste on his claims of water memory. His study on using water memory to reconstruct DNA sequences helps to explain water memory and make it more believable.¹⁰ It started when Luc Montagnier attempted to separate a small bacterium known as Mycoplasmas pirum from its viral particles. He tried to derive it from its mixed cultures via sterile filtrations. When he attempted to colonize it his attempts failed, but when incubating it with human lymphocyte, he was able to fully recover the gene. He found that the new property of M. pirum was triggered through the production of low frequency waves in water dilutions of the filtrate and it extended itself out to reach other bacterium DNAs. The electromagnetic signals were only seen in filtrate with high water dilutions. Even when the substance is heavily diluted its physical presence was still there and was

able to trigger these electromagnetic signals that allowed M. pirum to be reconstructed. He also found that people living disease free after being treated still had traces, or in his own word's "information", of their previous disease in them but had no harmful affect. This has ignited a movement within Montagnier. Another scientist that has crossed over to believing in water memory, He eventually set up a meeting stating that a conference needs to be held to discuss the controversy of water memory. He believes that as new information and evidence sheds light, it will no longer be controversial anymore but true.

The controversy of water memory has reached German scientists and got them on board with the idea. They set an experiment where several students obtained a single drop of water from the same big body of water at the same time. Putting it under a microscope they examined the droplet at high magnification. Through examination of each individual water droplet, each droplet produced different structural images. These structural images were known as microscopic patterns. Each droplet obtained from the same body of water produced different microscopic images. The way I perceive this, they produced different images because when taking the droplets from a big body of water there are many factors that play into that body that can affect the image of the droplet. The second experiment that was done by the same scientists consisted of a flower being placed in a smaller body of water like a large open glass. After, a few water droplets were taken out for examination. It was clear to them that after the droplets shows similar images no matter where in the cup you obtained it from, this water carried a memory with it. Being in a much smaller body of water with much enclosed space and no other factors other than the flower, gave these scientists the results they wanted. They believed that as water makes it travels it picks up information from the places it is traveling through. The scientists compared this to our bodies. Noting that we are made up of 70% water, they believe that human tears can hold a person's individual memories.¹² For now these results remain inconclusive, but more experiments need to be done so that the results don't appear coincidental. It is a study worth doing future experimentation on.

Conclusion

It used to be that scientists were against water memory and homeopathy because there was not any valid scientific evidence to prove how it works or even a possibility of it existing. However, that is no longer the case anymore. As new evidence on water memory and homeopathy sheds light, more and more scientists are swung over to the side of believing in it. If two well-known highly intelligent Nobel Laureates agree with these claims and put effort into taking it out of the controversial spotlight, how can we not try ourselves to see how this phenomenon is possible.? Jacques Benveniste concluded that because water memory can carry molecular information that can be transmitted and amplified, the process can be recorded via computer systems and played back into untreated water so that the new water will act as if the actual substance were physically present. He called this digital biology. He further concluded that later in the future when new science and technology arises, water memory will give us the power to see people's memories just through their tear drops. Out of the Nobel prize winners that made their

discoveries, they all thought outside of the box like ideas just like Benveniste did. I still look at his parody Nobel prize as an accomplishment in a way. With his compelling scientific evidence as well as other famous scientists, I am on the side agreeing that water memory should no longer be a controversial topic and further funding and experiment should be put forward to help understand this phenomenon more.

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