

REPORT:

THE SCIENCE AND EFFICACY OF Hydro Wave OXYGENATED WATER

submitted by Jane G. Goldberg, Ph.D.

We often talk about a day in the future when we will be able to take a magic concoction that will send an army of Nano-Warriors into the bloodstream to seek and destroy malignant tumors as well as diseased cells of all types. That day is today!

Yes, that day has arrived. The product already exists wherein “Nano-Warriors” perform a search and destroy mission within our bodies. The killer Nano-Warriors cells not only rout out cancer cells, but all pathogenic material in the cellular neighborhoods of the toxic materials. The product that delivers this promise is called Hydro Wave.

This solution derives from two paradigm-shifting scientific/medical discoveries: the first comes from the understanding of specific properties of minute particles of silver that make it an ideal delivery system for carrying oxygen to pathogenic cells; the second arises from Otto Warburg’s discovery in the 1930s that cancer cells thrive in oxygen deficient environments. Fortunately for us, in the 1950s a group of scientists, including William Branson Sr., married these two discoveries together, and created a liquid product, originally called Oxy-Silver Solution. The solution consisted of a specifically formulated water that, to this day, is unique and unrivalled in its therapeutic power for reversing many afflictions and illnesses.

Essentially, the scientists figured out how to encapsulate a nano-sized silver nucleus within a cluster of oxygen molecules. Hydro Wave water is made by attaching large numbers of oxygen molecules—clusters—to each silver particle, forming what might be best referred to as a Silver-Oxygen Nano-Cluster.

In the year 2000, the producers of the Oxy-Silver Solution, including Bill Branson Jr., had what they call a “eureka moment,” and added one more component to the process. The therapeutic effects of their specially formulated water increased, and even stronger stabilization of the oxygen encapsulation was effected. It became a solution that is so stable in its properties that the shelf life is, thus far over fifteen years, and still counting. The water looks slightly yellow, the color caused by light refraction off of the oxygen molecules that are attached to the silver nucleus.

In 2006 Bill Chastain (a retired Boeing engineer) approached Bill Branson about proving his formula cured cancer. The Apex Global Disease Research Institute was formed. It is a religion based, 501-(C)-3 rated, not-for-profit foundation.

The team continued seeing miraculous things happen, but now with medical records as a backing for the personal testimonials that had been acquired from the beginning of the formulation. Hydro Wave water has been shown to improve or reverse the various afflictions of Hepatitis, Gulf War Syndrome, flu, typhus, malaria, HIV, cancer (including but not limited to the stage IV cancer volunteers in the program), tuberculosis, Lyme Disease, MRSA, Alzheimer's, spinal meningitis, staph infections.

It is important to understand that although the miracle of Hydro Wave's therapeutic effectiveness is related to its ability to deliver oxygen directly into the body's cells, it is not an oxygen-saturated product. (There are many products on the market that claim to have super saturation of oxygen.¹) Hydro Wave water is not mere oxygenated water. The oxygen levels in Hydro Wave, in fact, measure about the same as regular tap water.²

The key to Hydro Wave water is that oxygen molecules are bonded to the silver core, and through the use of the silver nuclei, the oxygen is delivered, past the cell membrane, into the heart of the cell. Hydro Wave water is a direct cellular infusion oxygen delivery system. It has the ability to specifically rout out pathogenic cells, and then, one-by-one, destroy them, while adding oxygen to hypoxic cells to promote improved cellular health.

It is also important to understand that although there is a silver nano-nucleus within the oxygen clusters, the silver used in Hydro Wave water is unlike ionic and colloid silver products that are currently thought of in the holistic community as natural antibiotics. Rather than influencing a direct effect on the body, as the ionic and colloidal silver products claim, the main function of Hydro Wave's silver is to serve as a dolly to transport the oxygen into pathogenic cells. In fact, the Hydro Wave silver nucleus is so completely encased in active oxygen molecules that it has no physical contact with its surrounding microenvironment.³ The process of the silver/oxygen solution being

¹Whether or not providing more oxygen to the body reverses disease, and most especially cancer, is a question that has not been satisfactorily medically answered. But it is clear that simply more is not necessarily always better. How the oxygen comes, where it goes to, how it is processed within the body—all these become questions that need to be asked after the initial question of therapeutic efficacy is asked. For instance, sugar contains more oxygen than the acids or calcium hydroxide I mentioned above. This does not mean it is healthy or provides cellular oxygen.

²As a footnote, it should be understood that Warburg was given the Nobel Prize for discovering fermentation in cancer cells, not for claiming an association between acids and cancer, as is commonly stated, and which has not yet been proven, and may not exist. Many tissues of the body are naturally acidic. Yet this does not make them cancerous. The above statement can also be proven false by the fact that acidosis occurs during exercise, holding one's breath, with the ingestion of some poisons, during some conditions such as diabetes and COPD, etc. Yet none of these are direct causes of cancer.

³The distinction between the smaller than nano-silver particles used in Hydro Wave and commercial colloidal and ionic silver products is exceedingly important. As stated in the article, *Nano-Silver Efficacy Assessment*, published by the Austrian Academy of Sciences, Nov 2010 issues of the *Nano Trust Dossiers*: "Silver ions are water soluble and cannot exist without water or some other solvent being present. When ingested ionic silver is greeted by anions in the stomach and can't survive unchanged inside the human body for long before they are converted into insoluble silver salts which clump together into larger masses that are not only too big to pass through cell walls, they become trapped in the small blood

absorbed by the body is equivalent to targeted drug therapy (but without the toxic side effects of the poisons in the drugs). The silver-oxygen solution that comprises Hydro Wave performs exactly as suggested is possible as mentioned at the beginning of this Report. The clusters of the silver/oxygen molecules have the ability to precisely hunt down and destroy all pathogenic cells. Their “mission” to kill is so precise that it is as though pathogenic expert “snipers” were released into the bloodstream, and through basic principles of physics (as we will soon see), they never miss their target.

Once the nano-bots have found their target, the cluster gives up its oxygen. This happens so quickly—within nano-seconds—that the pathogens have no opportunity to mutate in their attempts to avoid the killer-oxygen-clusters (as they do typically with chemotherapy and antibiotics). Rather than accumulating, the Hydro Wave water nano-clusters leave the body entirely within a day or two. But, for all the time that the clusters remain present in the body, they go into every nook and cranny, all of the blood, all of the capillaries and vessels—in fact, every place in the body where a pathogen may be living or lurking.

The oxygen molecules are bonded to the silver nucleus via a patented process that is both complex and difficult to achieve. Hydro Wave water is a true nano-molecular therapeutical. Read on to learn the mechanism of how this happens.

Oxygen as Therapy:

The combining of water and oxygen, as a therapeutic intervention, seems intuitively right as a method of introducing natural medicine to the body. The human body itself brings together the two components—water and oxygen—and their ubiquitous presence in our bodies is absolutely essential to life. The body is composed of 70-80% water—and water is 89% oxygen by weight. Our blood is normally suffused with high amounts of oxygen. Normal blood oxygen levels are 95-100%. If the level is below 90%, it is considered low, and results in hypoxemia—the condition of low oxygen. Altogether, oxygen comprises 62% to 71% of the body. Through the complex roadmaps of our arteries and veins, blood is the transporter of all this oxygen throughout our bodies.

Ninety percent of all our biological energy comes from oxygen. It is the most essential element that the human body requires in order to not only survive, but also to have optimum levels of energy, to function properly, and to be productive.

Of course, getting more oxygen into the lungs is always a good idea. We can accomplish this through exercise and conscious deep breathing. When we breathe deeply and vigorously, oxygen molecules travel from the air and into the blood. But if breathing deeply were a cure-all for disease, resolving bodily afflictions would be much simpler than it has proven to be. Part of the reason that merely breathing in more oxygen fails as a panacea is because only 15% of the oxygen we breathe is absorbed into the bloodstream. In order for oxygen to be delivered to the most important places in our bodies—the cells and tissues throughout the body—we need to get oxygen to enter into

vessels of the skin.”

the blood directly, quickly and efficiently so that the oxygen can be carried, without loss, to the cells and tissues that are so hungry for this vital, life-sustaining substance.

Today, we are globally oxygen deprived for many reasons. First, the oxygen-depletion of our air has become a serious concern. The atmosphere should ideally contain about 20% oxygen. In polluted and urban areas, the level is typically as low as 10%. Yet, we continue to cut down our trees and rain forests, which provide our planet with large amounts of oxygen. Trees breathe in carbon dioxide, and they give off the oxygen that we can then breathe in. Fewer trees mean less oxygen for us to breathe.

There are additional reasons why we are oxygen deprived. While it is true that water in nature contains oxygen (the “O” of the H₂O equation), tap water is not the same as water in nature. It contains far less oxygen because it must travel first through pipes to get to us, and, as a consequence, has lost its contact with air. Treating our municipal waters with chlorine also removes oxygen. Processing food, even cooking food, reduces the oxygen content of our food. Fast food and packaged food is processed in a way to give it a long shelf life, and this is accomplished by making the food oxygen-poor. Finally, the over-prescribing of antibiotics reduces our oxygen levels because the drugs destroy the oxygen-producing aerobic bacteria in the digestive tract.

While these causative factors of cellular oxygen depletion are well known, there is another reason that is rarely talked about. Not only are our oxygen levels low, but also so are our carbon dioxide (CO₂) levels. In today’s hurried world, most of us breathe too rapidly. (One of the many values of yoga and meditation is that they slow down the rate of breathing.) When we breathe too quickly, we exhale too much CO₂. When we get rid of too much CO₂, we drive down the oxygen levels in our bodies, and, as a result, our cells turn unhealthy.

For all these reasons, many, if not most of us, alive today are living as oxygen-deficient beings.

*If lack of oxygen is a key driver of cancer growth,
then so is low CO₂, pH and depressed cell voltage.*

The History of Therapeutic Oxygen Use:

Even before Bill Branson Sr. formulated his Oxy-Silver Solution, there was a long history of supplemental oxygen being used as medicine. It was first recorded in 1783 by French physician, Caillens, who successfully treated a tuberculosis patient with daily inhalations of oxygen. In the early 1800s, cases of nervous debility, epilepsy, hydrocephalus and scrophula (lymphatic inflammation in the neck) were reported as successfully treated. Throughout the 19th century super-oxygenation and inhalation of oxygen were recognized as having therapeutic value. In 1857 *The Lancet* published an article by S.B. Birch, M.D. stating that an ill patient needs “more oxygen than he can possibly obtain under many circumstances and in many diseased states from the atmosphere around him.”

I have written in the past about Louis Pasteur’s deathbed confession of recanting his

lifelong belief in the germ theory as the primary causative factor of disease.⁴ He came to understand, as his colleague Claude Bernard had been arguing with him all along, that the *terrain* was all-important in protecting the body from pathogens, viruses and bacteria. When Bernard spoke of the terrain, he was not referring (as is often thought) to the immune system. Rather he was talking about the oxygenated environment of the body. Bernard understood, and Pasteur came to understand at the end of his life, that a suppressed immune system only occurs when the body lacks oxygen, thereby allowing the pathogenic microbes to breed.

Rudolph Virchow, who had an illustrious career in the 1800s as a physician and researcher, and is known as the “father of pathology,” said: “If I could live my life over again, I would devote it to proving that germs seek their natural habitat, diseased tissue, rather than being the cause of the diseased tissue; e.g., mosquitoes seek the stagnant water, but do not cause the pool to become stagnant.”

Virchow’s analogy of a swamp is particularly apt in terms of the role of oxygen in health. When the body doesn’t have enough oxygen, indeed, the internal milieu becomes swamp-like—low in oxygen with an overgrowth of weed-like living forms—viruses, bacteria, cancer cells, yeast—that can only survive in low oxygen environments.

Today, oxygen supplementation is used to ease many health conditions, including hyperbaric oxygen chambers for emphysema, pneumonia, carbon dioxide poisoning, gas gangrene and decompression sickness. Even conventional cancer therapies, including chemotherapy and radiation sometimes produce oxygen-activated events that kill cancer cells. (Verteprorlin is one such drug, though the toxic effects of chemo and radiation therapies are hard to overcome even with the augmented oxygen effect.) Interferon drugs, too, raise the oxygen levels of the body. However, oxygen has rarely been used as a first line of defense in the treatment of disease; rather it has been more of a stopgap intervention in the event of crises to stabilize the patient for further (usually toxic drug) intervention. But, as we will see, many diseases, including the two main degenerative diseases that most of us will die from—heart disease and cancer—have oxygen issues related to the formation and progression of the disease. It would seem logical to use oxygen as a front-line intervention. Oxygenation should be the medically appropriate first step in treatments for most diseases because tissue oxygenation is a prerequisite for recovery from most unhealthy physical conditions.

Hydro Wave water and the Healthy Terrain (or why Hydro Wave works):

Bernard defined a healthy terrain as consisting of two internal factors:

1. Alkalinity
2. Electrical Charge

And, contributing to a healthy terrain (or not), according to Bernard, are two external factors:

1. Nutrition

⁴ Goldberg, Jane. *Deceits of the Mind*, Transaction Publisher, Rutgers University, 1991.

2. Toxins

(Parenthetically, as a psychoanalyst, I would suggest one more factor to be added as contributing to a healthy terrain: having a full, rich internal psychic life of thoughts and feelings—as delineated in my book, *The Dark Side of Love*.⁵ This concept is different than the current popular notion of “positive” thinking. Rather, it is what might be called “Comprehensive Thinking and Feeling.”)

Electrical Charge (voltage and + or -):

All the tissues of the body are made of cells. Every function that occurs in the body is due to the activity of cells. Each cell has a waterproof membrane surrounding and protecting it. Because of ions within the cell that hold an electrical charge, the cell membranes, too, have an electrical charge. A young and healthy cell has a membrane charge of around 70 millivolts. The body’s over-all electromagnetic field is naturally at a higher intensity than all pathogenic cells, including bacterial, viral, cancer and fungal cells. An aged cell, similarly, has a membrane charge that is lower than a healthy cell. A cancer tumor cell has a charge as low as 15 millivolts. When the membrane charge becomes critically low, the cell has too little energy. In order for the cell to become healthy again, energy must be given to the cell.

Charges are also either positive or negative. Healthy cells are negative, and want to be fed by negatively charged ions. On the other hand, all pathogenic cells—viruses, bacteria, yeast, mold, cancer, and all others—are positively charged.

The active oxygen molecules that comprise the molecular boundary of the Hydro Wave nano-cluster have a slight negative charge.

pH (Alkaline or Acid):

As we all know, in spite of oxygen being a gas, and existing in the atmosphere, it also lives happily in water. Water is a main carrier of oxygen. Water is one oxygen molecule connected to two hydrogen molecules. If you break the water molecule apart, you have a hydrogen molecule on one side (H^+), and an oxygen and hydrogen on the other (OH^-).

The singular hydrogen (H^+) is acidic, with a low pH, and with a positive charge. The hydroxyl (OH^-) is alkaline, with a high pH, and with a negative charge. When they—the two “H’s” and the one “O”—then come together, their pH is neutral. The pH of water is 7 (though this changes slightly depending on the quality of the water), and this neutral pH is considered to be the demarcation point between acid and alkaline.⁶

⁵ Goldberg, Jane. *The Dark Side of Love*, Transaction Publisher, 1993

⁶ Drinking water and natural water exhibits a pH range because it contains dissolved minerals and gases. Surface waters typically range from pH 6.5 to 8.5 while groundwater ranges from pH 6 to 8.5. Water with a pH less than 6.5 is considered acidic. This water typically is corrosive and soft. It may contain metal ions, such as copper, iron, lead, manganese and zinc. The metal ions may be toxic, may produce a metallic taste, and can stain fixtures and fabrics. The low pH can damage metal pipes and fixtures. Water with a pH

The more hydrogen there is in a solution, the more acidic that solution. Acidity can mean a lack of oxygen; bacteria, viruses, germs, fungi, cancer cells—all survive with little or no oxygen; all are acid. On the other hand, usually, though not always, the more oxygen present, the more alkaline is the solution.⁷ Alkalinity generally means more oxygen.

I have personally tested the alkalinity of Hydro Wave water. I created a mini-lab in my kitchen, and tested as it is shipped, in its concentrated form, as well as various dilutions that I mixed. Each test revealed the same level of alkalinity: 9. I don't know whether it is particularly significant that it tests the same level of alkalinity no matter the dilution, but I did find that point interesting.

Our body's pH will control the activity of every metabolic function happening in our body. pH is behind the body's electrical system and intracellular activity as well as the way our bodies utilize enzymes, minerals, and vitamins.

The Mechanism of Hydro Wave water: Hydro Wave's effectiveness as a healing agent begins because of meeting Bernard's requirements for insuring a healthy terrain, as it is both highly alkaline and negatively charged.

A distribution imbalance between positively and negatively charged elements creates what is referred to as a "potentiation differential." When Hydro Wave water enters the body, the negative charge of the nano-clusters is potentiated by and then drawn into the positively charged pathogens and/or pathogen-infected cells. The potentiation differential makes Hydro Wave's contact with pathogenic cells inexorable and unavoidable. They find each other, pulling into each other like north and south magnets.

Hydro Wave brings energy into the cell by supplying the cell with an abundant amount of oxygen through its Silver-Oxygen Nano-Bots clusters. Within seconds, the oxygen is released into the pathogen because of the potentiation differential between the oxygen and the pathogenic cell. The binding electrons of the oxygen atoms are attracted to the pathogenic molecular electronic imbalance.

The inevitable attraction between the Hydro Wave nano-clusters and the pathogens allow the nano-clusters to enter into the larger molecular structure of the pathogens.

higher than 8.5 is considered basic or alkaline. This water often is hard water, containing ions that can form scale deposits in pipes and contribute an alkali taste.

⁷ Warburg is often referred to as the discoverer of the relationship between pH and oxygen. I haven't been able to find anything he actually said that states this, but in any case, while it is usually true that alkaline water is highly oxygenated, it is not always true. For instance, calcium oxide is so alkaline it is caustic. And it only has one oxygen atom (CaO). Acetic acid is, of course, acidic even though it contains twice as much oxygen (CH₃COOH). Lactic acid contains 3 times more oxygen (C₃H₆O₃) as does nitric acid (HNO₃). Sulfuric acid has four times more oxygen (H₂SO₄).

Pathogenic cells become oxidized, and cease to be viable. They disintegrate instantly when they come into contact with Hydro Wave. When this happens, the architecture of the pathogen collapses. It is as if a bomb has gone off inside the cell. Destruction of hypoxic pathogens (including cancer cells) is precise, inexorable, and unavoidable.

Hydro Wave nano-clusters are not like a bucket carrying oxygen molecules that are dumped into the blood stream. Rather, I suggest an alternative visual: picture a hand grenade with a load that is physically made up of countless active oxygen molecules. The oxygen molecules in the grenade are not yet bio-available while in the blood stream. However, when the grenade is pulled into a pathogen by the powerful potentiation differential, the grenade discharges. With the discharge the active oxygen molecules are enabled to break loose and now become bio-available such that they can, now, destroy the targeted pathogen. Yet, the active oxygen molecules are bio-available ONLY during the ridiculously brief period of time (nano-seconds) it takes for the active oxygen molecules to explode the host pathogen. And like you would see in a science fiction movie, after the pathogen is destroyed, the active oxygen molecules then re-bond to the nucleus, the grenade reforms and moves on to the next pathogen, then the next, ad infinitum.

This phenomenon has been witnessed with live blood cells in a dark field microscope. It doesn't matter if the pathogen is a virus, bacterium, or cancer because all pathogens have in common trying to avoid oxygen at all costs.

While the Hydro Wave has reversed many diseases in many people, it has not cured everyone who has drunk it. The question begs to be asked: Why does it reverse disease in some, and not others? It's a complicated, multi-layered answer. But one variable is evident.

The cell not only needs to RECEIVE oxygen to function properly, it needs to ABSORB oxygen. This is the primary reason that the Magna Wave Company chose to become involved with this product. The application of Magna Wave PEMF therapy improves and increases the metabolism of the blood cells allowing for increased oxygen uptake. It is felt that Magna Wave PEMF will enhance the effectiveness of the Oxygenated Silver Hydro Wave water.

Bruce Lipton, cellular biologist from Stanford, makes the distinction between closed and open cells.⁸ According to Lipton, an open cell is in a growth state and functions quite adequately. However, when stress is felt, the body reverts to a primitive fight-for-survival state; the panic button in the brain has been pushed. We call this brain-mode: fight or flight. The whole body is poised to fight, or flee, in order to preserve its very survival. In this state, blood moves away from the gastro-intestinal tract and skin; pupils dilate; heart rate increases; blood gets diverted to the muscles. In effect, the entire body has gone into a high alert state. The cells, then, shut down, or close, in preparation for the fight. A closed cell can no longer receive oxygen. It is also not able to absorb nutrients, nor properly eliminate waste. Although acute crises can stimulate this

⁸ <http://tamaramessenger.com/missing-piece-of-the-healing-puzzle>

mechanism—which is the activation of the sympathetic nervous system—the body can recover easily and fully when the sense of threat disappears. But under conditions of a prolonged sense of threat, the sympathetic nervous system takes over as the main mode of operation. When this occurs, healing is not possible.

Hydro Wave water can't cure prolonged stress. It can only bring oxygen to the cells that are ready to receive it.

Research sums up the mechanism of the effectiveness of Hydro Wave water:

- Hypoxia induced changes in cancer cells can increase resistance to conventional therapies,
- With hypoxia identified as a key driver of the growth and spread of cancer, direct oxygen infusion appears to be an effective therapy,
- Artificially Intelligent Hunter-Killer Oxygen Delivery Nano-Bots deliver active oxygen molecules directly into hypoxic cancer cells, destroying them instantly.

The Cancer/Heart Disease Oxygen Situation:

Cancer cells are probably the best illustration of Darwin's survival of the species and adaptation to insure long life. In fact, the cancer cell may have the longest life of any living entity ever known to exist on the planet (though it is commonly thought, and joked about, that the cockroach may outlive human life). It is now thought by most scientists that the cancer cell is immortal (though recent research by Professor Dorothy Bennett suggests that the immortality of cancer cells may be restricted to late-stage cancer cells⁹). Left to its own devices, the pathogenic cancer cell will go on and on, replicating and reproducing itself. This "immortal" cancer cell dies only when its host, on whom and within whom it has fed and lived, dies.

I refer to the adaptability of the cancer cell because over the period of its life in its host (you and me—all animals, human and otherwise—who suffer from cancer), it changes its very nature. It changes the mechanism of what it needs to sustain itself. This is perhaps the most interesting, and least-known attribute of cancer. But, as we will see, it is in its very changing adaptability that we can find its vulnerability.

As cancer cells begin their growth, taking hold within the host, and as the cells struggle to survive and proliferate, continuing their journey into what ultimately becomes a tumor, they require vascularization. Vascularization means blood flow, and blood flow means oxygen. Bourgeoning cancer cells cannot develop without some oxygen.

Yet, once the tumor has formed, and the body harbors cancer cell colonies, the cancer cells, paradoxically, change their nature. This was Warburg's Nobel Prize-winning discovery that remains, to this day, unquestioned: how cancer metabolizes. He said that

⁹ Soo, J. et al. (2011). Malignancy without immortality? Evidence for cellular immortalization as a late event in melanoma progression *Pigment Cell & Melanoma Research* DOI: [10.1111/j.1755-148X.2011.00850.x](https://doi.org/10.1111/j.1755-148X.2011.00850.x)

cells once thriving on oxygen suddenly become anaerobic.

Cancer, above all other diseases, has countless secondary causes. Almost anything can cause cancer. But, even **for cancer, there is only one prime cause.** The prime cause of cancer is the replacement of the respiration of oxygen (oxidation of sugar) in normal body cells by fermentation of sugar... In every case, during the cancer development, the oxygen respiration always falls, fermentation appears, and the highly differentiated cells are transformed into fermenting anaerobes, which have lost all their body functions and retain only the now useless property of growth and replication.

Now, instead of depending on oxygen, the cancer cells become hypoxic; they thrive now only in conditions of reduced availability of oxygen. It is currently thought that hypoxia is created because of the tumor outgrowing the existing vasculature. The ever-creative, impossibly smart cancer cell then adapts to its new hostile environment, and finds a way to survive (and thrive) under these new adverse conditions. Now, the less oxygen, the happier the cancer cell is. They begin a hate-affair with oxygen, their former best friend now turned into a mortal enemy. The cancer cell now needs, at all costs, to avoid being found by oxygen. Oxygen has transitioned from being the life-support system for the cancer cell to being the death-knell to cancer.

If you think about it from the cell's point of view, it all makes perfect sense. If you were a cell, and you were suddenly deprived of oxygen because of finding yourself living in an acidic environment, what would you need to do to survive? You would need to change your method of metabolism to one that did not require oxygen. And this is exactly what happens in cancer.

Ironically, cancer could very well be our body trying to survive the conditions that we ourselves have created, the bodily environment that we have allowed to develop—high acidity and a positive electric charge: in short, the conditions that will result in deterioration of our health and hasten our own death. Perhaps a more succinct way of saying this is: *cancer is the result of your cells trying to survive a condition that you yourself won't.*

Warburg finished one of his most famous speeches, "The Prime Cause and Prevention of Cancer," with the following statement:

Nobody today can say that one does not know what cancer and its prime cause is. On the contrary, there is no disease whose prime cause is better known, so that today ignorance is no longer an excuse that one cannot do more about prevention.¹⁰

¹⁰ The Prime Cause and Prevention of Cancer. Dr. Otto Warburg Lecture delivered to Nobel Laureates on June 30, 1966 at Lindau, Lake Constance, Germany

Warburg's idea that long-term lack of oxygen in cells is the key driver of cancer growth has been confirmed by modern research. Many studies have measured the link between oxygen partial pressure in cells (or expression of hypoxia inducible factors, their concentrations) and appearance, growth and metastasis of tumors.^{11 12 13} Researchers found that low cell oxygen controls all these factors, including survival of patients. Dr. S. Rockwell, from Yale University School of Medicine, studied malignant changes on the cellular level and wrote, "The physiological effects of hypoxia and the associated micro environmental inadequacies increase mutation rates, select for cells deficient in normal pathways of programmed cell death, and contribute to the development of an increasingly invasive, metastatic phenotype."¹⁴

Low oxygen levels have been shown also to be predictive of cancer recurrence. In one study, Dr. Michael Milosevic and colleagues measured oxygen levels in 247 men with localized prostate cancer prior to radiation therapy and followed them for a median of 6.6 years. Low oxygen in the tumors predicted early relapse after radiation treatment, and it was the **only** identified factor that predicted local recurrence. Dr. Milosevic states: "We've not only shown that men do worse if they have low oxygen levels (hypoxia) in their prostate cancer, but that they also do worse over a shorter period of time."¹⁵

Oxygen deficiency in the human body has been linked not only to cancer, but to every major illness category. The human body responds in many adverse ways to oxygen deficiency.

All heart attacks result from the failure of the heart muscle to receive adequate supplies of oxygen. Hypoxia invites cardiac trouble by over-stimulating the sympathetic nervous system and raising the heart rate. Increased levels of hemoglobin are a frequent result of oxygen deficient blood. To compensate for a chronically low supply of oxygen, hemoglobin, which carries oxygen in the blood, may increase. This then thickens the blood and impairs its ability to flow easily.

www.stopcancer.com/ottolecture3.htm

¹¹ Temporal, spatial, and oxygen-regulated expression of hypoxia-inducible factor-1 in the lung; Aimee Y. Yu1 et al; *AJP – Lung Physiol*; October 1, 1998 vol. 275 no. 4 L818-L826

¹² Shaw, K. (2008) Environmental cues like hypoxia can trigger gene expression and cancer development. *Nature Education* 1(1)

¹³ The Regulation of HIF-1 <http://molpharm.aspetjournals.org/content/70/5/1469.full#sec-3>

¹⁴ Rockwell S, Oxygen delivery: implications for the biology and therapy of solid tumors, *Oncology Research* 1997; 9(6-7): p. 383-390.

¹⁵ M. Milosevic, P. Warde, C. Menard, P. Chung, A. Toi, A. Ishkanian, M. McLean, M. Pintilie, J. Sykes, M. Gospodarowicz, C. Catton, R. P. Hill, R. Bristow. "Tumor Hypoxia Predicts Biochemical Failure following Radiotherapy for Clinically Localized Prostate Cancer." *Clinical Cancer Research*, 2012; 18 (7): 2108 DOI: 10.1158/1078-0432.CCR-11-2711

Oxygen deficiency is, as well, a common factor in respiratory diseases, and the heart becomes involved in these too. These conditions include asthma, bronchitis, emphysema and various forms of Chronic Obstructive Pulmonary Disease (COPD). The arteries that carry blood from the heart into the lungs sense low oxygen levels and constrict in order to direct blood to more normal areas of the lung. This causes pressure in the pulmonary arteries to rise. The heart responds by dilating and contracting ineffectively, eventually causing the heart to fail. A common warning sign of this condition is edema or swelling of the legs.

Oxygen Therapy for Cancer: Perhaps It's Not What It Seems

It is easy to use these understandings to come to a plan on how to therapeutically address cancer, heart disease, respiratory afflictions, and many other diseases: infuse the body with oxygen. And specific to cancer, while it might seem logical to use oxygen as a front-line therapeutic strategy, following Warburg's theory about the nature of cancer being hypoxic, the fact is it has been difficult to prove that putting more oxygen into the body, as has been done in currently available medical therapeutic techniques, is useful in cancer conditions.

Esteemed physician Andrew Weil addresses the point by referring to the presumption that Warburg's discovery implies that cancer cells would die off if exposed to high levels of oxygen:

While that may sound plausible, we now know that Dr. Warburg was wrong. Oxygen doesn't slow cancer growth - in fact, tumors often grow rapidly in tissues well supplied with oxygenated blood. Nor does depriving tumors of oxygen stimulate their growth. Moreover, a study published in the *Scientific Review of Alternative Medicine* noted that since human tissues require 200 to 250 milliliters (ml) of oxygen per minute, the maximum additional amount that could be dissolved in all of the plasma of a normal weight adult would hardly be enough to make a difference in what cancer cells would receive.¹⁶

If Weil is right in postulating that the implication of Warburg's discovery is NOT that cancer can be cured by simply providing the body with more oxygen, then how can we use Warburg's confirmed finding of cancer sustaining itself only in a low-oxygen environment to our advantage? I am calling this question the *Warburg Dilemma*. It's an important question, especially considering that there are so many holistic cancer clinics that provide oxygen-infusion therapies. Are they barking up the wrong tree? Or, are

¹⁶ <http://www.drweil.com/drw/u/QAA322213/Can-Oxygen-Cure-Cancer.html>

they barking up the right tree with the wrong climbing equipment?

And, Speaking of the Wrong Climbing Equipment

Free radicals, and antioxidants that fight free radicals, have become all the buzz of late. And the issue is not inconsequential to **Hydro Wave**. It has been found that when **Hydro Wave** drinkers simultaneously add antioxidants to their health regime, the results are not as good as expected. The antioxidants seem to conflict with the oxygenating effect of the water, and as a consequence, it is advised that **Hydro Wave** drinkers to not partake in supplemental antioxidants. To understand why this conflict might arise, we have to look at what free radicals are, and the function antioxidants perform in the body.

Free radicals are varied in their shapes, sizes and chemical configurations. But, they share in common a voracious appetite for electrons; they steal them from any generous molecule that will release them. It is electron theft; and with the loss of an electron, the substance can change from its original configuration. The theft can alter the structure or function of the substance from which the electron has been stolen. While there may be times that these alterations are benign, the change is not always innocuous. For instance, free radicals can change the instructions coded in a strand of DNA; they can make a circulating low-density lipoprotein molecule (referred to as “bad cholesterol”) more likely to get trapped in an artery wall; or they can change the flow of what enters and what leaves the cell through altering the cell membrane.

Clearly, it is important for the body to be able to protect itself against the damaging effects of free radicals. And in the innate brilliance that our bodies have, indeed, there is a built-in mechanism to do just that. Our bodies have been fighting free radicals since our bodies were first invented, and on a continuous basis, we produce massive amounts of molecules that quench the onslaught of free radicals. We also have the ability to extract free radical fighters from our food. These free-radical fighters are our body’s innate antioxidants. They compensate for the theft of the electrons by donating their own electrons.

Scientists have identified hundreds of agents that are labeled as antioxidants. There are probably many more hundreds, perhaps even thousands, waiting to be discovered. The ones we are most familiar with are vitamin C, vitamin E, beta-carotene, the minerals selenium and manganese, glutathione, coenzyme Q10, lipoic acid, flavonoids, phenols, polyphenols, and phytoestrogens.

But, as in all things, context matters. Some substances that serve as antioxidants in one biological situation may be prooxidants—electron grabbers—in a different chemical milieu. Substances that have antioxidant properties at low concentrations have anti-antioxidant, or prooxidant properties at higher concentrations. Vitamin C and uric acid are examples. When present at high concentrations, they engage in a reaction with iron in the blood to generate free radicals.

It is certainly true, and has been shown by many research studies, that free radicals contribute to chronic diseases including cancer, heart disease, Alzheimer's, and vision loss. However, the connection between free radicals and disease doesn't automatically mean a similar connection between antioxidants and health. There is no reason to suppose that substances with antioxidant properties will necessarily fix the free radical problem any more than the assumption that saturating the body with oxygen will automatically fix the cancer problem.¹⁷

The vitamin analogy may be useful here. We know that vitamins are most effective when they are used by the body in their original and natural context. It is important to understand the implications of removing one part of a food from the whole food. The difference between a fragmented supplement and a whole food supplement can be seen as the difference between a potato and a potato chip. One is a food grown from the earth; the other is a man-made manufactured product with little or no nutritional value. A vitamin, as it exists in nature, is never a single chemical; rather, it is a group of interdependent compounds that work synergistically. These compounds form what Royal Lee (the founder of Standard Process, one of the first whole foods supplement companies) called a "nutrient complex," so intricate that only a living cell can create it.

Fragmented supplements lose the synergy and value of being the sum of all the parts of being a whole food. When too much of a specific, isolated material is taken into the body, it can upset the balance of the over-all metabolism. A compensatory deficiency of other vitamins can ensue. For instance, calcium interferes with zinc absorption. Too much of a specific form of a B vitamin can cause an imbalance in other B vitamins. And so on.

The analogy with antioxidants should be clear. When an antioxidant is taken out of its original context, it is akin (or even identical) to a fragmented vitamin (identical because some antioxidants ARE vitamins). Isolated antioxidants may or may not have a beneficial effect within the body. Isolated antioxidants may have a beneficial or a malignant effect within the body.

The sum total of results of research studies conducted on antioxidants remains inconclusive. Generally, cancer patients who take anti-oxidants report that they feel better than those who don't take them. But research into the biology of what happens in the body on antioxidants shows that they can actually hasten the progression of the cancer.

¹⁷ shades here of the *Warburg Dilemma*

A study done in 2014 was performed on mice with melanoma. The mice that consumed the antioxidant n-acetylcysteine (NAC) doubled the rate at which the cancers metastasized. Then, the same researchers performed the experiment again on cell cultures from patients with malignant melanomas, and got the same results. Clearly, the antioxidant sped up the growth of the cancer cells.¹⁸

The scientists proposed an understanding of the contradiction between feeling better on the NAC supplement and the increased rate of growth of cancer cells. They saw that within the cancer cells, the NAC increased the levels of reduced glutathione, and simultaneously decreased the levels of oxidized glutathione. Reduced glutathione protects cancer cells from the body's immune system. As Frank Shallenberger says about the contradiction: "Sure, it helps your healthy cells, but the cost is too high."¹⁹

Nobel Prize winning scientist and co-discoverer of the Double Helix, James Watson, presents another scientifically sound hypothesis (but note it is only a hypothesis) of why antioxidants should not be consumed specifically when one is undergoing traditional medical treatment for cancer. Watson's hypothesis has been frequently misunderstood, and interpreted, at times, as his stating that antioxidants induce cancer. I'll call this the *Watson Controversy*. In point of fact, Watson never made that claim. Rather, he referred to the process of apoptosis—cellular suicide—a process that all normal cells have available to them, but one that eludes cancer cells, making them immortal (as discussed earlier in the Report). Apoptosis necessarily involves the formation of free radicals. Cancer cells invariably produce antioxidants that neutralize free radicals. Radiation and chemotherapy kill cancer cells by generating oxygen radicals—the opposite of antioxidants—and these then trigger cell apoptosis. Watson suggests that we want oxygen radicals in cancer cells because their presence induces apoptosis; and further, he proposes that taking antioxidants might be preventing medical cancer treatments from doing their appointed task of destroying cancer cells.²⁰

For cancer patients, Hydro Wave water works in a way similar to chemotherapy and radiation. The silver/oxygen solution targets pathogenic cells, and then destroys them—in effect, inducing apoptosis. It is likely that like chemo and radiation therapies, Hydro Wave needs the oxygen radicals to be healthy and plentiful in order for them to assist the oxygen clusters in Hydro Wave in their mission of the destruction of the pathogenic

¹⁸ Le Gal K, Ibrahim MX, et al. Antioxidants can increase melanoma metastasis in mice. *Sci Transl Med*. 2015 Oct 7;7(308).

¹⁹ Frank Shallenberger. "When you have cancer, should you take supplements?" Second Opinion; November 16, 2015.

²⁰ James Watson. "Oxidants, antioxidants, and the current incurability of metastatic cancers," *Open Biology*, 2013.

cancer cells. Bill Branson doesn't recommend that cancer patients on Hydro Wave water stop eating blueberries. But he does want to raise their awareness of the possibilities of taking to many supplemental antioxidants.²¹

Understanding of Hydro Wave from a Leading Physicist Who Was Cured of Inoperable Brain Condition Using Hydro Wave water:

“One of the most interesting developments of the last twenty years in molecular biology is the growing awareness of the importance of cellular and pathogen electrical charge distribution. We are gradually coming to understand that most pathogens take advantage of electrical charge distribution inadequacies or vulnerabilities in the molecular structures of cells.

“It is observed that weakened cells are electronically charge-challenged in that the charge on the cell membrane and/or within the cell itself is disrupted in its distribution. For example: Red Blood cells or Erythrocytes stick together when the healthy slightly negative and uniform charge on the cell membranes becomes electron depleted. This condition is called Rouleaux and is a precursor to unhealthy clotting which causes strokes and other circulatory related pathogenic challenges.

“Positive ions from our air, water, processed food or the molecular structures of pathogens infecting our bodies scavenge electrons from healthy cells, depleting the cells and the surrounding serum environment by attracting those electrons to their abundant open valences.

“This disrupts the uniformity of charge distribution at the outer membrane of red blood cells and the cell membrane charge abundance of disease fighting cells such as leukocytes (where charge depletion causes a reduction in motility) and opens these cells to further molecular challenges manufactured by the pathogens during their assault. Then the pathogens either attach to the cell membranes and eventuate penetration or invade the cell forthwith through now damaged—electronically challenged cell membrane walls. There is another aspect of these phenomena, which we are learning more and more about with each passing year. When a formerly relatively healthy cell becomes infected by a pathogen, that pathogen projects a potential well beyond the cell membrane and into endoplasmic environment in a manner similar to a lightning rod.

²¹ There is abundant evidence that eating whole fruits and vegetables—all rich in networks of antioxidants and their helper molecules—provides protection against many of the scourges of aging and diseases. But, the benefits of fruits and vegetables may be due to compounds other than antioxidants. It seems to me just as likely that the key is not what these fruit/vegetable loving people are eating, but, also, what they are not eating: they are not eating lots of meat. But I am partial to vegetarianism, having not eaten meat for 50 years. I am an avid follower of Colin Campbell's work: his enormous research undertaking, *The China Study*, and most recently *Whole*.

“When it comes to cancer cells this phenomenon is greatly magnified. The initial cancer host cells (i.e. those cells, which have first succumbed to the cancer causing pathogen) become factories for the production of cytotoxins. These cytotoxins are then released into the blood stream to scavenge electrons and destroy the membrane integrity of healthy cells.

“Solid tumor cancer cell colonies are hypoxic. Hypoxia is a condition describing the reduced availability of oxygen. This is a paradox considering the fact that in order to survive/proliferate cancer tumors also require vascularization. As the disease progresses cancer tumor colonies do not wish to be oxidized. Too much oxygen spells death to cancer. This makes cancer tumor colonies and cancer cells themselves ideal targets for the Hydro Wave water silver-oxygen nano-cluster.

“Based on our early investigation of the demonstrated increase of anti-pathogenic activity of the water, the slight negative charge at the Hydro Wave nano-cluster molecular boundary, which is comprised of active oxygen molecules, allows these Nano-Clusters, or smart bombs, to be potentiated by and then drawn into pathogens and/or pathogen infected cells. Therefore the pathogen’s proclivity to scavenge electrons becomes its downfall. Once so attracted to the lightening rod like charge imbalance of the pathogen itself, the nano-cluster enters into the much larger molecular structure of the pathogen and literally causes that architecture to collapse/dissolve.

“This occurs when the binding electrons of the active oxygen atoms are more attracted to the pathogenic molecular electronic imbalance than they are to the positive nano-silver ion they surround and which acts as their dolly. Suddenly the oxygen phobic pathogen becomes super oxidized and ceases to be viable. It is as if a bomb has gone off. We believe that the molecular cluster at the heart of the Hydro Wave water smart bomb may primarily serve the role of a dolly for the oxygen.

“Because there is no known negative ion of silver it provides the ideal vehicle to attract and deliver active oxygen to the cancer cell. More surface area per gram weight is available for this crucial bonding with the active oxygen. The smaller Hydro Wave Nano-Clusters can easily penetrate cell membranes, including all known pathogens.

“Although colloidal preparations of silver have over a century and a half of history and some very real in vitro therapeutic effects it is only with the advent of nano smart bombs that there can be consistent in vivo penetration of the molecular structures of pathogens and pathogen infected /charge depleted cells. We feel that there are years of exciting research ahead as we discover more and more of the characteristics of Hydro Wave related anti-pathogenic activity. Now that there are microscopic tools that allow us to observe the nano and cellular domains in real time with living cells we look forward to actually seeing the water and other nano molecular preparations as they reveal their yet to be discovered benefits.”

About Hydro Wave water: How to Use, When and Why

The following information has been culled from independent observations, first hand reports made by consuming volunteers, informal university clinical trials, and formal

medical records generated by board certified oncologists. They are not intended to be scientific data or the results of a formal study; rather, they are anecdotal entries that are offered here precisely as they were reported.

1. The daily regimen for taking Hydro Wave water is to mix it with filtered water and take the recommended amounts of this diluted mix.
2. There is no taste, and no adverse side effects have been reported.
3. Athletes report endurance and performance enhancement with an ounce of the water added to their work out water bottle. Most report diminished muscle burn during work out and minimal next day soreness.
4. A positive feeling of overall wellness is described by most volunteers.
5. Pain levels are often reported as noticeably reduced rather quickly and appear to remain manageable.
6. Low level infections have been noted to disappear within a week or less. Volunteer consumers rarely report getting colds or flu.
7. Some advanced cancer patients report a not unpleasant “busy” or “tingling” sensation in the area of a tumor, or at a surgical or previous injury site. When this “busy” feeling is experienced in areas not previously identified as malignant, it has sometimes been seen to be a (non-scientific) indicator that the cancer has spread to areas beyond those identified by the latest diagnosis.
8. The water has been formally noted by pediatric oncologists to be able to access brain tumors across the blood-brain barrier. Two delightful children with Stage IV brain and upper spine cancer defied the 1-2 % survival odds given to them by their pediatric oncologists. Both are now leading normal lives with no evidence of cancer five years later.
9. Frequent daily topical applications of the concentrated water have been reported to have a dramatic positive effect on skin cancers and other visible lesions.
10. One practitioner using the water in his clinical practice advises his patients to spray the concentrated solution on their faces to achieve an anti-aging effect.
11. The water can be, and has been used successfully as ear, nose, eye remedies for various afflictions affecting these local areas in the body.
12. Measurable improvement (scans, blood workups) is generally noted by the volunteers’ doctors at about six weeks and continues thereafter.
13. Affected tumors have been observed through scans and direct physician observations to change in unique ways over different time periods: some shrink quickly, some liquefy slowly, and then disappear, and some calcify. More research is needed in order to gather and use this information with increased accuracy.

14. The water silver nucleus is sub-nano in size and shares no size or shape characteristics with colloidal, ionic, or nano-silver particles, which are needle shaped and have been observed to cause cell damage in vivo.

15. There is no possibility of silver accumulation. Silver content of the silver nuclei in the concentrated Hydro Wave water is 0.97 ppm (lower than the EPA standard of 1.0 ppm for silver content in safe drinking water). When diluted in filtered water, the concentration drops to an even more insignificant level of 0.0136 ppm.

16. Silver concentrations in commercially available silver colloids and ionic silver solutions are dangerously high—up to 250 ppm with particle sizes approximately 70 times the accepted size of nano-particles.

17. Anecdotal field reports from Chili, China, Ghana, Puerto Rico, South Africa, Liberia, and England of rapid improvement or total relief from: Malaria, Hepatitis-C, Tuberculosis, Pneumonia, Multiple Sclerosis, HIV/AIDS, Lyme disease, Mogellan's Disease, colds, flu, severe burns, miscellaneous infections, and surgery recoveries.

18. Concentrated Hydro Wave water has an undetermined shelf life, but examples have survived for fifteen years without losing effectiveness when stored away from temperature extremes.

19. Preliminary indications from in vitro clinical observations and seven years of Translational Observations clearly indicate that the water may have a positive effect against even the most virulent drug resistant pathogens including MRSA and the so-called superbugs.

20. Because Hydro Wave water is not a chemical-based antibiotic, pathogens can't mutate or develop resistance fast enough to develop immunity.

Case Presentations:

Presentation by
Alan Schwartz, MD
Cancer Control Society 2010

"I am very impressed with this convention, as I'm sure all of you are. The purpose of this convention is to give hope to people about alternatives to conventional approaches. The problem with conventional approaches, as you've heard time and again if you've come to these conferences or if you've attended for the last few days is that chemotherapy and radiation for cancers have been largely unsuccessful with a few exceptions like childhood leukemia, some lymphomas. Oral and testicular cancers are generally responding well to conventional chemo at least.

"Chemo and radiation have numerous adverse side effects. The war on cancer has largely been a failure. The solution, of course, is to consider using alternative therapies, as you have seen if you've attended the last few days. The problem has been largely getting people to fund these studies. A lot of the natural approaches are not patentable, and therefore there isn't a lot of emphasis for private research to donate lots of money to document this so that insurances cover these approaches.

"One of the purposes of my talk today is to present you with a few interesting approaches to cancer that are here right now, or that are coming soon. It is my belief that cancer will be largely treatable, effectively and with minimal side effects within the next five to seven years based on a lot of interesting things that are coming out.

"The first subject that I will talk about is a product known now as, Hydro Wave or APeX Water. It's a silver-oxygen product. It is not a silver colloid. It does not cause argyria, which is the bluish discoloration of the skin that you can get if you take too much.

"Paul S. is an example of a prostate cancer Stage III-IV. He had a PSA of 3,281 in April 2008. For those of you not familiar with PSA, usually anything above four or five is suspicious, but it isn't so much the amount when it's under 10, it's how quickly it's rising that tends to make you cautious or concerned that this is likely cancer. This was biopsy confirmed, so there was no doubt about it. He started the water five months later in September 2008. By October his lymph nodes had gotten smaller. This was a very dramatic response. PSA dropped to 0.25. By February the prostate mass had decreased by ultrasound and palpation and the lymph nodes were smaller by CT scan. By March 2010 there were no signs of cancer seen.

"Barbara B. with rectal cancer, metastatic to the liver, diagnosed in 2007 with colon cancer. She also had metastases to local lymph nodes in the pelvis, the abdomen and the lungs. A different cancer marker was tracking her tumor. This is chorio embryonic antigen, CEA. It was very elevated at 1383. She started in June two years ago on the water and by July the tumor marker had dropped to 110. By August dropped to 28 and by November dropped to 4.5. She had a CT scan in November with a dramatic reduction in liver tumor size with no meds. By March 2010 all the liver lesions were calcified and shrinking, and the colorectal cancer completely disappeared.

"Here's Jim M. with lung cancer. It doesn't say which type, unfortunately. It was an advanced Stage III, diagnosed in April of 2007, treated traditionally with chemo and radiation. In June 2007 the lymph nodes were decreased. He felt better. By September no sign of cancer on CT. Continues to do well, back to a normal life, no sign of cancer."

NOTE: This presentation by Dr. Schwartz was unsolicited.

Testimonials:

"This is an amazing product. I was suffering from Typhus in my left leg. I wrapped gauze around my leg and poured the water onto the wrapping. Within 2 to 3 hours the

pain was gone, and that same day the infection was also gone. Thank you for this miracle water.” **TC**

“As we were evacuating our clinic, our town actually, due to a forest fire this last summer, my little finger was cut off. It was only hanging on by the bone and bleeding so bad that I nearly went into shock. I desperately needed it to be stitched, but our whole town was being evacuated. Fortunately for me I had received some of the water to test in my clinic and I started soaking it in it. Within 1 hour the bleeding was under control and I butter-flied it together and wrapped it in gauze soaked with silver solution. The next morning I woke up with no pain in that little finger. I kept the gauze soaked in the water and bandaged thereafter. In less than 10 days the little finger was completely healed with a full range of motion with nothing but a small faint scar on ONE side, which was the only evidence that I had ever been injured. This is so dramatic to my staff and I that are difficult to completely grasp if you hadn’t seen it with your own eyes. Thank you so much!” **Dr. G.K.**

“I was diagnosed with a Staph infection in my right kidney. The plan suggest by doctors was to remove my kidney so that the infection would not affect my heart. Six days prior to surgery I was given the opportunity to drink the water and after drinking less than 1 liter, the infection was cleared up, so thankfully I didn’t have to have the surgery.” **C.N.**

“As a result of several hepatitis vaccinations I started getting over all aches and pains, then started experiencing joint especially in my left knee. The pain became so severe I couldn’t walk a quarter of a mile on level ground. After taking the water for approximately one month, my knee pain has almost completely disappeared. This product has truly been an answer to my prayers.” **Yours truly, C.J.**

“I was in and out of the VA Hospital suffering from Gulf War Syndrome and had intense aches and pains and zero energy. I was introduced to the water by some close friends. After drinking the solution for several months, I now have no symptoms and I’m as healthy as ever.” **C.C.**

“As a follow-up to my other testimony concerning the water and the toxic reaction to some immunizations I received as an adult, during a time when I was struggling with aches and pains in my muscles and knees. I also had a terrible anal itch, so bad that I was going through one whole tube of Preparation H every couple of days. Within 2 weeks of drinking the water I had a lot less muscle pain and my knees were better. The itch was gone and has not returned. Boy, what a relief!!!” **C.J.**

“I discovered the oxygen water and it changed my life. I have been suffering with Hepatitis C for several years and I had to be on a strict diet all the time to keep it under control and take many different vitamins and various products. Despite the treatments I

would have very often flus and bronchitis that would stay with me for months. In addition I was losing so much of my hair that I started to worry. In a few days, after I started to drink the water, my bronchitis disappeared, finally! My hair stopped falling out and my Hep C symptoms totally vanished. No more long standing flu, no more bad digestion, I got my life back!!! What a blessing! I can eat normally and even drink wine at dinners without any problem. I am a total supporter of this water and very delighted I was so lucky to find a friend who told me and that I had ears to listen about this great product." **Thank you, KT**

"Canadian Health authorities have warned the public that certain strains of the flu virus going around this year were not included in the vaccination programs. Unfortunately, my son was inflicted with what appeared to be one of the worst strains I have witnessed in recent memory. My son is only 14 years old and would generally be considered a fairly tough customer. But this particular strain of flu was certainly not your average common cold. He was completely bedridden for a week and a half and didn't appear to be making any progress. His symptoms included a bad fever followed by chills and accompanied with vomiting, severe coughing and a headache. It eventually became so painful for him to talk or cough that the child would break down in tears just attempting to speak. Needless to say we were more than a little concerned and immediately visited our family doctor. The doctor informed us that this particular strain was one of the viruses overlooked by the Disease Control Board. Our doctor offered very little, suggesting on how to combat this vicious bug, suggesting that there was nothing we could do, prescribing typical cold remedies as a solution. We explained to him the medications he was suggesting had had little or no effect in assisting our son combat the virus. Upon arriving home that day, I suggested to my son to try a strong dose of the water. Within 20 minutes of him drinking the water he made visible and notable improvements. Within a two-hour timeframe he was out of bed and sitting in the living room watching TV with us, commenting that he's feeling much better. Both my daughter and my wife were skeptical, refusing to drink the water as a preventative maintenance to avoid contracting the virus at all resulting in us becoming the household caregivers for the next three days. My entire family is now thoroughly convinced the water made this dreadful strain of the flu much more manageable. I would like this letter to not only stand as a product testimonial but a very strong recommendation that every family's medicine cabinet should include a ready supply of the the super oxygenated water at all times." **Sincerely, J.O.**

"I admit that I don't like going to the dentist's. In fact I was traumatized at an early age because I was afraid of needles and never had Novocain until I was 13 years old. At 52 years old, I still avoid going to the dentist, even when I know I should go. Recently, I slacked off taking my daily dose of the water and got a severe toothache. I know that toothaches are caused by infection. I got back on the water immediately, swishing it around in my mouth for several minutes. In about an hour the pain was completely gone. I know I still need to see my dentist, but I won't be in pain in the waiting room." **Thank you, B.M.**

"I believe this silver solution is a transforming product. I developed an infection in my right eye. I thought I might have cut it somehow. My husband said it was full of

puss. I cleaned it out but didn't treat it with anything. In the middle of the night, my eye had swollen and held shut with dry puss. I used a warm wet cloth to get it open. It looked nasty. I put some of the water in an eye dropper and put two drops in my eye. When I woke up the next morning my eye had no redness or swelling, I was amazed!! I would recommend this to anyone with an infection, it works wonders. Thanks for a great product." **Rose**

"After trimming some plants and reaching under them I noticed a red spot on my arm the size of a dime. It was a spider bite that quickly grew to the size of a quarter and then swelled up even bigger. I used a cotton ball dipped in the water and wiped the swollen area for about 5 minutes. In an hour or so the swelling went down and the redness shrank in size. I've repeated this treatment every day for a week and now I can't even see where the bite was. Before I got this oxygen silver water product a bite like this or a sting would send me to the doctor's office. This product is truly amazing." **M.R.**

"I have been drinking the water for about 2 months now and I have noticed significant change in my condition. I was diagnosed with Endometriosis in 1996. I have had internal pain for about 15 years now. It took the Dr.'s many years to finally diagnose me after multiple visits to the emergency room, having constant pain and finally thinking that I was losing my mind. Once I was diagnosed, I had surgery and I was so disappointed that I still had pain. I went through years of trying every medication known to treat endometriosis and all I ended up with was side effects that were almost as bad as if not worse than the endometriosis pain. I just decided that I was going to have to live with the pain for the rest of my life and that's just how it was. My husband didn't like that choice and he wanted me to continue to find a solution. I contemplated having a hysterectomy but my husband really wanted a child. I have one miracle child and tried for over 6 years to have another one. Still unsuccessful, but now I have hope. I kept my organs and I started drinking the water. I have much more energy now, I am exercising at the gym 5 days a week and I look and feel great! I still have pain with my monthly cycle but the pain I was experiencing on a daily basis is gone. My husband was so used to me being in pain all the time he still keeps asking me if I'm in pain and when I say no I think he doesn't believe me. But I know that this is a miracle sent to me from God! I will drink it for the rest of my life!" **D.A.**

"I have had Hepatitis C for the last 14 years and am a single mom with 6 children. At this point my medical doctors want to do chemotherapy on me. A good friend of mine suggested this water might ease some of my symptoms. I was so tired, no matter how much sleep I got, it felt like I got no sleep at all. I was drinking the water twice a day every day for two weeks before I started feeling better. I was getting up before the alarm went off feeling fully rested with plenty of energy for whatever came up that day. I now have no symptoms that tell me I have Hepatitis C any longer. I can't wait to see what my blood test in June says." **L.F.**

"Thank you, after drinking the water for just one week, my gums stopped bleeding from gingivitis. I continue by rinsing with water solution after brushing my teeth to maintain good dental health." **G.M.**

“We have a 17 year old Australian Cattle Dog (Darby) who was diagnosed with Autoimmune Disease 5 ½ years ago. We believe the disease was triggered from a response she had to her rabies vaccine. If you research this condition, it is called Vaccines. Her body attacks itself as a foreign intruder. We noticed during these last several years that Darby did not shed her coat out completely during the year, growing in a new lush coat, which would be normal for most all breed of dogs. The lackluster coat is usually noted in older dogs with health problems and poor nutrition. A couple of months ago we began giving her and our other dogs the oxygen silver water in their meal at night. Within a month on the water, Darby began to shed out her old coat and began to grow in a beautiful lush coat. Her coat now looks very healthy. One of the symptoms Darby has with Autoimmune Disease is swollen and bleeding gums. I began using cotton balls soaked with the water and applied it to her gums and it has helped reduce the bleeding. We will continue to use this water for our dogs as we believe it is beneficial to their health.” **Sincerely, M.M.**

“I had been hemorrhaging for nine months with a 9 lb. (5 kg) cancerous tumor in my uterus. After hearing of remission in other patients with this water, I decided not to do chemotherapy. I then completed a one-month course of treatment solely with the water. After one month of treatment the cancerous tumor was surgically removed from my body benign. In the aftermath, I had a CT scan which thankfully verified that the cancer had been eliminated. I have since gone into complete remission and over the past year have never left home without a bottle of the water. My gratitude knows no bounds for the new lease on life I have been granted.” **Mary**

“I have suffered from chronic sinus headaches for most of my adult life. I am 50 years old. Miraculously since I’ve begun drinking the water, I’ve had many days and nights now of no pain. I can honestly tell you, nothing I have ever done has had nearly the positive effect on my sinus condition and I seem to continuously improve.” **Thanks, R.T.**

“Me again. An update on my recent appointment at Mayo. There was no need for me to change my course of treatment. They did it for me. My tumors appear to be stable and some are calcified. No new tumors were found either. They recommended I take a chemo holiday (gladly) until the end of November at which time I will have another scan to see if there are any changes. If not, we will take it month by month for CT scans for a while. When my Physicians Assistant at Mayo came in the door at my appointment the first thing she said was "OK, What are you doing? We never see these kind of improvements with Stage IV Pancreatic cancer." I just smiled and told her I was apparently some sort of freak of nature.” **Mel**

“Another good report from Mayo yesterday. One millimeter of growth on the largest tumor in my liver. Everything else is unchanged, liver function still good, blood work is fine, tumor marker is still normal, another scan in 6 weeks and best of all, no chemo. It's been 3 months now since my last chemo and I've had only one millimeter of growth (change). My mayo Dr. Is still calling me a freak of nature - I'll take that!” **Mel (update some months after first letter)**

“Some good news here! Thought you should know that Ellen's CA-125 tumor marker for ovarian cancer dropped from 114 to 29.8 U/mL. Normal is <35 U/mL. This was from the blood work taken just yesterday before starting 1st round of chemo. She's been on the silver since August 24th and the 114 was from the blood work the week prior to her surgery on August 19th. So don't get me wrong here because were quite elated to see it drop some 84 pts, or over 3.8x which in itself seems quite remarkable! I was, however, somewhat surprised it did so so fast... barely 24 days! I would guess you're not too surprised by this but would be curious to know if you've seen this before and your take on it? You may recall her diagnosis back on August 19th was stage Ic ovarian cancer from the pathology report but the Doc is treating it/her clinically as stage IIc with 6 rounds of chemo (carbo taxol, 3 weeks apart)... hopefully I/we can convince her to suspend the chemo soon and go get a PET Scan and see where she stands with it...Thanks,” **Mark**

“In the summer of 2013 I noticed that my ankles were swelling in a strange way. Because I was a mother with a 3, 6 and 8 year old daughters I didn't pay too much attention as I was very busy In the winter I got a flu, and I noticed that after that flu I found it almost impossible to regain my former strength and stamina; The swelling started getting worse and I started gaining weight. We went to the hospital and they ran many tests revealing protein in my urine. I was referred to a nephrologist and he told us that he thought that there was something seriously wrong with me and he wanted to do a kidney biopsy. Feeling as if a biopsy would be dangerous and intrusive we stopped seeing this man and started drinking dandelion tea and eating well. We also got connected with a homeopathic kidney specialist. I maintained the same status all the next summer, sometimes gaining about thirty pounds of fluid. In the fall I got a bad flu; I was unable to get up from it and my weight went up to fifty pounds of fluid. I was out of breath just getting up to use the bathroom. We continued to do as many natural things as we could and kept a strict diet, but my weight went up to 70 pounds of fluid. My husband had to put on my socks for me and I couldn't get out of the car without help. We got some tests done and found that my cholesterol level was 1000. It seemed as though I might be dying and so we went back to the doctors for help. They admitted me to the hospital, took a biopsy and found Amyloid proteins in the kidneys. We knew about the water then, it was Dec. 2014 and we started to take it. It seemed as though it was making my stomach worse and we tried to contact you, but the number we had was someone who was on vacation and didn't respond. We resorted to the treatments that the hospital recommended. We did chemotherapy from Dec 24,2014 to April 2015. The CyBorDee that they had me on was not working and the light chains were rising and my kidney function which had always been good despite the disease started to plummet. They put pressure on us to try a different drug. We waited for that drug for a month and then decided to try the water again. We spoke with you this time and found out that a few weeks of nausea was normal for the start. We told them to cancel the drug and we went out in faith. The doctors strongly advised us against this decision, but we ignored them. Immediately after going off chemotherapy the free light chains rose very high. After six weeks of using the water we got another test and it was amazing. The light chains had been cut in half. I stopped taking diuretic drugs in faith also and the water weight that had put my little frame up to 190 pounds was steadily going down, down down. In April I was 117 pounds. We kept going back to the Oncologist every

month and every month they said I should go back on chemo and every month we said that we didn't want to. My kidney function was getting worse even though I was getting better and looking better in so many ways. In December my first appointments were in a wheel chair, I was too weak and sick to bear all the water weight I had and I had fluid on my heart and lungs. When I was tested in March at the world famous Amyloid Center in Boston, it was decided that I was too weak and damaged to undergo the best treatment they had for my disease. Anyway, even though the doctors saw that I was improving they felt that my kidney function was in danger if I didn't do the Chemo. We asked if they would wait for our next appointment at the Amyloid Center. They continued to monitor me but they were afraid for me and asked if my appointment could be made sooner. At the Amyloid Center they were encouraged with the progress that I had made. This was in September 2015. We didn't tell them about the water but we told them that we were doing some Indian herbs. They didn't like it much, but they found a way to pat themselves on the back saying that my improvement was due to a delayed response to the chemo. The Indian doctor over there actually thought that I was doing really well and that my kidney function would come back. She ordered a test to see if my disease was in remission. It turned out that I was still producing Amyloid proteins in my bone marrow, but the blood test showed the free light chains in the normal range. The recommendation of the Amyloid Center was to go back on Chemo and to start with dialysis. We knew that we would not be able to keep putting the doctors off every month now. We made the move to Mexico. I spent a couple of months here and we just took our time to find out what if anything to do next. After being here for a few months we bought labs on line. I showed some really significant increase, but still the kidney function was decreasing in other ways. Our question was that maybe as our free light chains were leaving my body that they were causing damage on the way out. That would explain the increase in some ways and the decrease in other ways. We connected with our friend Dr. Tony and he ran some tests on me mostly to find out where my kidney function was at and if I really did need dialysis as they said I did. We went to his urologist and the man said that he thought I was still far from dialysis, but that he wanted to run a radioactive isotope test on me to find out the exact function my kidneys still have. We are hesitant to do this test as we have been advised by Mark Carver that he knew someone that got a disease from that test. We are taking our time at this point, and consulting with Doctor Tony who is very close with us and wants to help us. We decided that we will just take one step at a time. The next step is a 24 hour urine test. I have different aches and pains. My kidney disease is in the Stage 5 range and so with this type of function there are all kinds of different issues. I am leaps and bounds ahead of where I was last February at this time. I was getting a blood transfusion every six weeks taking all kinds of pharmaceuticals and feeling very awful. Some days I feel almost normal again. We are looking to the wise people we know to guide us at this point, but we believe you that in time that the disease will be resolved. As of now, we stopped taking the Auyurvedic herbs as they were causing nausea and vomiting. I don't need to lose any more weight. The water is my one and only treatment right now, along with the sunshine here and some Flouridix to keep my iron up. We have a nice graph from the hospital where I had stopped treatment and it shows my free light chains going way up. Then in May after 6 weeks of the water there is a sharp decline. It is pretty dramatic. We showed it to Dr. Tony and he said it was obvious that the water had done an amazing thing. ” **Amynah of Oneonta, New York**

“Wonderful!!! I just tried it for the first time on bedsores that would not heal and it's working! Thank you so much. Blessings, ” **T. M. Beim, N.D.**

Where We've Been: Where We're Going:

There are several good videos on holistic therapies, with interviews of holistic practitioners doing cutting edge therapies. Ty Bollinger has done a series of videos specifically on cancer, and has a website called thetruthaboutcancer.com (for which I write). Similarly, Burton Goldberg has gone to Mexico and Europe to find out what holistic cancer practitioners are doing outside of the US. His video is on his website, burtongoldberg.com, and is worth watching. He interviews MDs who are doing targeted chemo. The patient's blood is first tested to see which chemotherapeutic agent the patient's body will respond to. Only that drug is administered. There are virtually no side effects when chemo is administered in this way. Unfortunately, there are no physicians practicing this therapy in the US.

Another interesting approach for cancer has been the attempt to attach chemo drugs to nanoparticles, and then to use either silver or gold as a dolly. Hundreds of millions of dollars have been spent attempting to perfect this technique. This is the same method the oxygen silver water uses, except instead of attaching the nano-particle to a drug, it is attached to silver, a friendlier agent than a toxic chemo drug. And, instead of attaching the killer agent to precious metals, the killer agent that we call oxygen clusters are attached to smaller than nano-size particles of silver. Unlike chemo and radiation, there are no downsides to oxygen.

The Chinese herb, artemisinin, has been used in the same way, delivering it through a Trojan horse. Artemisia has been shown to kill off cancer cells at a rate of 12,000 cancer cells for every healthy cell. Henry Lai and a team of researchers from the University of Washington tagged artemisinin with iron (transferrin), which cancer cells are known to use. As Dr. Lai explains: “By itself, artemisinin is about 100 times more selective in killing cancer cells as opposed to normal cells. But the tagged compound was 34,000 times more potent. We call it a Trojan horse because the cancer cell recognizes transferrin as a natural, harmless protein. So the cell picks up the compound without knowing that a bomb (artemisinin) is hidden inside.”²²

Most recently, on October 10, 2015, Youyou Tu, from China, was awarded the Nobel Prize in Medicine for her discovery that the herb Artemisinin is highly effective against the Malaria parasite. This is a particularly interesting finding pertinent to cancer. Research groups have tested thousands of samples from brain tumors to leukemias, and a general picture emerges to indicate that the malaria protein is able attack more than 90% of all types of tumors. It appears, then, that malaria as well as the herb that

²² <http://www.washington.edu/news/2008/10/13/scientists-develop-new-cancer-killing-compound-from-salad-plant/>

destroys malaria may both hold promise for the successful treatment of cancer.²³

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About the author:

Jane G. Goldberg, Ph.D. (drjanegoldberg.com) is known widely in both the psychoanalytic and holistic health communities. She is the owner of New York City's oldest holistic facility: *La Casa Spa and Wellness Center (lacasaspa.com)*. As well, Dr. Goldberg is a practicing psychoanalyst and author of eight books. She has specialized in working with cancer patients and has successfully integrated her psychoanalytic work with the field of holistic health. She has worked with many cancer patients who have defied the odds and attribute their renewed health to their work with her.

Dr. Goldberg is a prolific writer, having authored numerous articles in the fields of psychological oncology and mind/body health. She is a well-known blogger for HuffingtonPost.com, NaturalNews.com, TheTruthAboutCancer.com, as well as her own blog, MusingsFrom20thStreet.com. She writes for weekly newspaper Epoch Times. Dr. Goldberg has made appearances on most talk television shows as well as NPR radio. She is listed in *Who's Who of American Women, Who's Who in Medicine and Healthcare, Who's Who in the East, Who's Who of Women, International Who's Who of Professional and Business Women, Who's Who in Science and Engineering, Who's Who in the World, Who's Who in American Writers, International Who's Who in Medicine*.

About La Casa Spa and Wellness Center:

²³ http://news.ku.dk/all_news/2015/10/malaria-vaccine-provides-hope-for-a-general-cure-for-cancer/

LA CASA

SPA & WELLNESS CENTER



La Casa was created out of the experience one woman had with her mother. Long before holistic medicine became widely known, Dr. Jane Goldberg spent the 1970s seeking alternative cancer therapies for her mother, who had been diagnosed with terminal bone cancer. Following sound principles of holistic health—nutrition and detoxification as well as rather mysterious by effective principles of energy medicine—Jane's mother was able to reverse her cancer condition entirely, moving from her wheelchair to joyfully playing tennis again. This experience inspired Jane to specialize in her psychoanalytic practice to work with cancer patients, and to fulfill the need for a holistic healing center in NYC. Jane and La Casa invite you to partake of the restorative and profoundly cleansing therapies that have brought La Casa worldwide recognition.