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Treating Cancer via O2, O3 & H2O2

Treating & Healing Cancer With Oxygen, Ozone & Hydrogen Peroxide (1)

I ... have a wife who HAD cancer. ... My wife had 16 tumors throughout her body, in her intestines, liver, and breast. All the doctors said there was nothing they could do and that she had 6-12 months. ... I had been looking at alternative treatments from various sources & doing research on my own & found ozone. We didn't want to try it because of what the EPA & everyone else said about it, but since her system was starting to shut down, what did we have to lose? We drank ozonated water & breathed it while we slept every night, also did juicing and she continued with the chemo. Within 3 months she was cancer free. Now if that isn't enough, a year and a half later when she went in for her check up to see if the cancer was still gone, they said she had two more tumors. One on the bile duct & one in her intestines again. The doctor told her they couldn't give her any more chemo & there was NOTHING they could do this time. We had slacked off on the ozone for several months so we decided to flood our bodies again. Guess what? Within 6 months the tumors were gone again. This time all we did was the ozonated water, breathing ozone & juicing. The doctor couldn't believe it & sent the tests out to 4 other doctors & they all said there was no cancer. Gaylen T. reporting on his wife's erasing of "terminal" cancer TWICE by drinking ozonated water, breathing ozone & [juicing](#)

Introduction

The above-reported exciting story of a double healing of “terminal” cancer using a simple approach - stepping up the cancer patient’s oxygenation through a simplified form of ozone therapy combined with juicing - shows the importance

of including information on the purported general and cancer healing power of oxygen (O2), ozone (O3) and hydrogen peroxide (H2O2) at Healing Cancer Naturally. As the above story implies, ozone is likely not a silver bullet and may not necessarily heal your body when relied upon as a “stand-alone treatment”. Generally speaking, implementing a complete “holistic” health program may always be the wisest choice (and you will find many pointers to that effect on this site).

Interestingly (and likely not coincidentally), another healing approach for cancer and degenerative disease, the inexpensive DIY [Budwig protocol](#) (which boasts a high success rate and which, in combination with energetic and spiritual approaches such as [EFT](#), is a natural/holistic modality recommended by Healing Cancer Naturally, see [Cancer Healing Greatest Hits](#)) also centers upon increasing the oxygen available at the cellular level. It needs to be pointed out that the two approaches may not be compatible, (see [Dr. Johanna Budwig on what to avoid when following the Budwig diet and protocol: items and influences observed to interfere with its healing effects](#)) while showing good successes when applied by themselves (details forthcoming such as an anecdotal report of two persons dying from cancer who underwent a certain type of ozone treatment combined with anti-oxidants).

The interested reader is encouraged to further research this extensive subject using the many pertinent information sources available.

Always remember that long-term healing from cancer seems to be an individual (and possibly complex) journey involving different approaches working for different people.

Personally I believe that a “return to love” - for both oneself and others - lies at the heart of all true healing - i.e. healing in the larger and lasting sense. See [Love and Healing](#) and [Healing Cancer Holistically](#).

Healing “terminal” breast cancer twice with ozone & juicing

by Gaylen T., September 19, 2004, originally published at <http://health.groups.yahoo.com/group/cancercured/message/13604>

I ... have a wife who HAD cancer. ... My wife had 16 tumors throughout her body, in her intestines, liver, and breast. All the doctors said there was nothing they could do and that she had 6-12 months. My wife found a new experimental [chemo treatment](#) that “had a 80% cure rate”. She did the chemo for 9 months and it was killing her. The doctor said her system was starting to shut down. I had been looking at alternative treatments from various sources and doing research on my own and found ozone. We

didn't want to try it because of what the EPA and everyone else said about it, but since her system was starting to shut down, what did we have to lose? We drank ozonated water and breathed it while we slept every night, also did juicing and she continued with the chemo. Within 3 months she was cancer free.

Now if that isn't enough, a year and a half later when she went in for her check up to see if the cancer was still gone, they said she had two more tumors. One on the bile duct and one in her intestines again. The doctor told her they couldn't give her any more chemo and there was NOTHING they could do this time. We had slacked off on the ozone for several months so we decided to flood our bodies again.

Guess what? Within 6 months the tumors were gone again. This time all we did was the ozonated water, breathing ozone and juicing. The doctor couldn't believe it and sent the tests out to 4 other doctors and they all said there was no cancer. He said they should hire me. By the way my wife is the only one out of 54 who is still alive from the group that was given that chemo. Like they say I think they play with the numbers a little. ;-)

Also I have cured athlete's foot, a rash or something like that on my head, and removed age spots with ozone. (I don't go to doctors). I believe I have at least cured an enlarged prostate (verified by doctors before I quit going to them) but probably prostate cancer with ozone and apricot seeds. (Thanks for the apricot seeds tip, Ralph Moss!) My dad died from prostate cancer and I had the same symptoms. Compare [Vitamin B 17 \(Laetrile/Amygdalin\)](#).

I just want everyone possible to know what ozone can do. It really works! I belong to Dr. Pressman's ozone group at the Yahoo site. You can see what ozone can cure at that group. Dr. Pressman has written two books on ozone.

Take Care and NEVER give up!

Compare [Is There a Best Juicer for Cancer Patients, On Chemotherapy, Frequently Asked Questions and More Ozone Info & Links](#).

More from Gaylen incl his contact info at [Frequently Asked Questions: Ozone Therapy For Cancer](#).

Ozone and its uses in medical therapy

by Dr. Robert E. Willner

Ozone therapy is one of the most powerful and versatile therapies known today. Extensive medical research on ozone therapy has been done primarily in Europe. Through its mechanism of action, ozone has beneficial effects on every part of the

body. The effects include:

1. Inactivation of bacteria, viruses and fungi: Ozone disrupts the integrity of the cell envelope through peroxidation of the phospholipids and lipoproteins. In fungi, ozone inhibits cell growth at certain stages. With viruses, the ozone damages the viral capsid and disrupts the reproductive cycle by interrupting the virus-to-cell contact with peroxidation. Cells previously infected by viruses are more susceptible to destruction by the peroxide produced through ozonolysis, because they have weak enzyme coatings.

2. Enhancement of circulation: In circulatory disease, a clumping of red blood cells hinders blood flow and decreases oxygen absorption due to reduced surface area. There is a decrease in red blood cell flexibility which prevents them travelling down the tiniest capillaries, and blood viscosity increases. With ozone therapy, clumping is reduced or eliminated and flexibility is restored, along with oxygen carrying ability. Oxygenation of the tissues increases as the arterial partial pressure increases, and viscosity decreases. Ozone also oxidizes the plaque in arteries allowing the removal of the breakdown products, unclogging vessels.

3. Stimulation of oxygen metabolism: Ozone causes an increase in the red blood cell glycolysis rate. This leads to the stimulation of 2,3-diphosphoglycerate which shifts the oxyhemoglobin disassociation curve to the right. This leads to an increase in the amount of oxygen released to the surrounding tissues. There is a stimulation of the production of the enzymes which act as free radical scavengers and cell wall protectors: glutathione peroxidase, catalase and superoxide dismutase. Ozone activates the Krebs cycle by enhancing oxidative decarboxylation of pyruvate, stimulating production of ATP. Ozone also causes a significant reduction in HADH and helps oxidize cytochromes.

4. Dissolution of malignant tumors: Malignant cells have an increased rate of glycolysis which leads to the production of more lactate. With ozone therapy, there is a significant decrease in lactate production, showing that the metabolism is being inhibited. Tumor cells have a peroxide intolerance due to insufficient peroxidase and catalase. Ozone is thus able to oxidize the outer lipid layer of malignant cells and destroy them through cell lysis.

5. Activation of the Immune system: Ozone stimulates the production of interferon and interleukin in the body. From this there is a cascade of subsequent immunological reactions.

6. Formation of peroxides: Ozone reacts with the unsaturated fatty acids of the lipid layer in cellular membranes, forming hydro peroxides. Lipid peroxidation products include peroxy radicals, vital for killer cell action.

Oxygen plays a vital role in maintaining health in the body. Oxygen and sugar are the

primary nutrients that each cell requires to generate energy for all its life functions. These functions include the transport of molecules, synthesis of all chemical compounds and mechanical work such as muscle contraction. Thousands of these reactions are occurring at all times. These reactions are what allow the heart to pump blood, the immune system to fight infection, the gastrointestinal tract to digest food, and the nervous system to process information.

Oxygen is also an important structural component of the organic compounds used by the body as essential nutrients, such as vitamins and fatty acids. Oxygen also has an important role in removing waste products from the system. As people age, their bodies extract oxygen and transport it to the cells less efficiently. The cumulative effect of this lack of oxygenation is a decrease in the flow of vital nutrients to the tissue, the impairment of the thousands of chemical reactions necessary and the subsequent appearance of deficiency diseases. Thus an abundance of oxygen creates health and well being and a deficiency of oxygen contributes to illness.

Ozone: its therapeutic action

found at [Natural Solutions Radio](#), dated October 16, 2003

A widely used remedy is just starting to be used here in the United States. This remedy is so powerful, so efficient in what it does, that it may reform the practice of medicine. The substance is ozone! It is antibacterial, antiviral and kills protozoa. It works by releasing oxygen into the blood stream when applied externally, intravenously, rectally or vaginally.

In 1740 Schönbein discovered ozone, although he did not know or understand its structure. The discovery was enlarged upon in 1891 with the determination of the ozone molecular formula. Observation soon revealed that ozone reacted with and destroyed bacteria and other organisms. During the first World War, the application of ozone to war wounds served primarily as a disinfectant. In 1934 the dentist E.A. Fische and the surgeon Erwin Payr found that ozone saturated water was a great bactericide and began using it. This usage slowed temporarily because the ozone would quickly destroy the rubber tubing it flowed through. The arrival of Teflon and poly-vinyl tubing overcame this inconvenience.

Today the largest commercial use of ozone is in the purification of water. Both the FDA and EPA certify ozone as destroying 99.9992% of all pathogenic germs, while oxidizing (destroying) 99.9992% of all pollutants in the water at the same time.

Ozone (O₃) is an allotropic form of oxygen: it is oxygen in its most active state; it therefore means a more generous supply of oxygen, the life giver.

Through the action of the flashes of lightning, and the photochemical reaction of the

UV light of the sun on atmospheric oxygen, nature produces ozone for the purpose of purifying the air, and to destroy all organic decay upon which disease germs and bacteria thrive. Like oxygen, ozone is a healthful gas. It has, however, much greater oxidizing, antiseptic and germicidal power and for this reason is being used with great success for the relief of various diseases. Recently, the FDA and EPA have been telling the public that ozone is poisonous, and detrimental to the body. This is not so! For years physicians around the world have used ozone for bringing palliative and curative results to many, many individuals. Ozone is one of the most energetic and useful agents known to science. Its therapeutic action is due to oxygenation of the blood by the loose molecule (free radical) of oxygen in the O₃ compound. It is carried to the various organs and tissues of the body and absorbed, thus oxidizing the waste products, and facilitating their elimination. In other words, ozone increases the metabolism without the expenditure of vital energy and special stress should be laid on the fact that ozone is a NATURAL remedy.

In the process of respiration waste products are exposed to the action of the oxygen of the air, and they are burned up very much as if they were put into a stove, thereby producing body heat. In the living body, heat, whether tangible or not, is continually being generated through the chemical action of carbon and oxygen.

When the blood receives sufficient oxygen to unite with the carbon, carbon dioxide (CO₂) is formed, which is in a suitable state to be eliminated. The process of oxidation is complete, the body temperature maintained at normal (98.6° F), the organs perform their functions properly and the system is in a condition to resist the toxic influences of microbes, environment and mankind's excesses.

When, however, an insufficient amount of oxygen is received by the blood, carbon monoxide (CO) is formed, which is NOT readily eliminated, and through its poisonous influences, trouble begins. Carbon monoxide is a DE-oxidizer. It acts as an irritant to the organs, the body temperature is reduced below normal and the system is rendered incapable of resisting the toxic influences of various bacteria, viruses and environmental toxins, and disease is the result. So prevalent is subnormal temperature among people who are called 'run down,' that nine out of ten of them will show a subnormal temperature by actual thermometer test.

There have been several reasons given for subnormal temperatures in recent years: they range from 'thyroid insufficiency' to 'hypothalamus disorders.' These explanations are correct, but only to a degree. The CAUSE of the problem is low and inadequate oxidation. Therefore the thyroid, hypothalamus, or endocrine organs (given as the cause) are hindered in their normal metabolic function and the sub-normal temperature is the result. The correct way to counteract this situation is to give a substance that will restore the oxidative process.

The clinical thermometer is the best means of determining the existence of underoxidation and should be used routinely. The temperature of one who is

underoxidized will be found to run from a fraction to several degrees below normal.

The underoxidized and subnormal temperature person will present one or more of the following symptoms: headache, dizziness, insomnia, constipation, faint-feeling, loss of appetite, palpitation of the heart, liver and kidney problems, menstrual problems, cold hands and feet, anemia, gastrointestinal problems, chlorosis, etc., all of which are due to an impoverished blood supply.

The symptoms or conditions that rise from a subnormal temperature are not necessarily in proportion to the degree of subnormal temperature. A person showing a fractional part of one degree of subnormal temperature may present as severe problems or conditions of disease as one who is several degrees below normal.

A sufficiency of oxygen for the blood means better blood, better circulation, better assimilation, better equilibrium of body temperature, better vasomotor activity, better digestion, better elimination of waste products, less chance of auto-intoxication or toxemia, and less chance of infection and disease.

After careful analytical investigation of disease, it has been demonstrated:

1. That one of the most common important conditions that the person is called upon to correct is weakness produced by an impoverished or diminished blood supply.
2. That under-oxidation produces bad health primarily because of an insufficient supply of oxygen that makes certain the formation of carbon monoxide, which is at once a de-oxidizer, a hemoglobin destroyer and an irritant poison devitalizing the blood and paving the way for a multiplicity of acute troubles, many of which run into chronicity.

It has been suggested that a subnormal temperature may be a normal condition with some people. This deduction can be disproved by placing anyone with a subnormal temperature under active influence of ozone and the temperature can be made to rise back to normal.

Almost all forms of nervous, functional, respiratory and blood disorders can be successfully corrected by oxidation restoration. The effects are perfectly natural, the nerves being left calm and toned with a feeling of buoyancy and exhilaration. It stimulates the vasomotor system through the nerve centers, which fact is clearly shown in the increased redness of the skin, a feeling of warmth in the whole body, and waste products being more freely eliminated. The ozone treatment shows that poor oxidation is the cause of many disorders, by reason of the fact that when the temperature is brought up to normal, the problems disappear.

Another aspect of ozone therapy that is understood by almost nobody in the medical community is the ability of ozone to oxidize almost instantly anything of a plant physiology. This is paramount importance when you consider the work of **the great German biochemist Dr. Otto Warburg. He discovered the cause of cancer in 1923**

and received his first Nobel Prize in 1931 for doing so. Dr. Warburg demonstrated that when the level of oxygen available to the cell drops below 40% of normal, the cell, in order to survive, begins to ferment the sugar anaerobically. The regulatory mechanisms on cell replication are shut off, and the cell begins to make copies of itself wildly. The growth of cancer cells is supported by fermentation which can be initiated only in the relative absence of oxygen.

See [Otto Warburg On The Prime Cause & Prevention of Cancer: Respiration of Oxygen in Normal Body Cells vs. Fermentation of Sugar in Cancer Cells.](#)

Ever since Warburg's discovery, researchers have been attempting to stop the fermentation process through drugs, radiation and surgery, which in some cases, has been temporarily successful. **Although the National Cancer Institute verified Warburg's theories in the 1950s, very little work has been done to determine the causes of the lack of oxygen in our cells. We must determine ways of getting more oxygen to all of our cells to prevent the initiation of the fermentation process.**

Compare [National Cancer Institute.](#)

It is unfortunate that up till now the U.S. authorities have been painfully slow in their investigation of the beneficial uses of ozone. The Sixth World Ozone Conference held in Washington D.C. during May, 1982, produced many astounding papers on the medical uses of ozone. They ran the full gamut of topics from cancer to herpes to rheumatoid arthritis, written by the world's recognized specialists in their fields. These papers concluded that:

1. Ozone removes unwanted bacteria and viruses from the blood, the same way it does with water.
2. The possibility of becoming infected with hepatitis, HIV virus, syphilis or other infectious diseases through blood transfusion could be eliminated by the use of ozone.
3. Ozone is highly effective in peripheral vascular disease.
4. Ozone is effective in cardiovascular and cerebrovascular disease, arteriosclerosis and hypercholesterolemia, and promptly restores circulation, relieves angina pain and improves brain function.
5. With ozone cancerous tumors, lymphomas and leukemia may be eliminated without the use of surgery, radiation or [chemotherapy.](#)
6. Ozone is highly effective for all forms of rheumatoid and arthritis collagen diseases.
7. Ozone is very effective for allergies of all types.
8. Ozone improves multiple sclerosis, and other neurological diseases, senility, as well

as in Parkinson's disease.

9. External use of ozone is very effective in treating burns, acne, leg ulcers, open cuts and wounds, eczema, fungus and other skin disorders.

10. Rectal insufflation with ozone is effective for proctitis, colitis, prostatitis and fissure; vaginal insufflation is effective for candidiasis and other yeast infections, trichomoniasis and other forms of vaginitis; **bladder insufflation is effective for cystitis and bladder fistulas**, as well as cancer.

11. AIDS, herpes, hepatitis, mononucleosis, and cirrhosis of the liver have been successfully treated with ozone.

12. The application of ozone is virtually painless, has no adverse side effects and is extremely cost-effective for both physicians and patients.

13. As of 1994, sixteen countries allow the use of ozone therapy. In a study Germany, of all the millions of treatments, there have only been four deaths reported, with only 40 persons having side effects.

Most people are puzzled as to why something with this potential has not been used in the United States before now. In order to understand this, one has to examine how medicine has evolved over the past 100 years on two continents; Europe and America. In the late 1800s, the way medicine was practiced in both areas was very similar, though quite diverse. Doctors on both continents were taught many different techniques of healing including herbal medicine, potions, manipulations, diets, purges, colonics, as well as drugs, and surgery. These physicians practiced holistic medicine in its original form. The divergence began in the United States with the discovery of insulin and penicillin in the 1930s. In close conjunction with the rise in power of the drug companies is the ever increasing policing of all medical therapies by the FDA along with the development of the health insurance system. Today's American doctors get practically no training in therapies other than drugs or surgery and are discouraged from practicing any alternative therapies. On the other hand the European system nurtured diversity in which pharmaceutical development, as well as alternative treatments, were encouraged. This is how ozone, as a medical treatment, was allowed to develop in Europe, but did not find fertile ground in the United States, after 1933. Ozone is not patentable. Thus, there is no money to be made in its research and development as a treatment since it cannot be protected. **Money is what makes things happen in the United States**, thus ozone hasn't happened. However, with the development of the AIDS crisis over the last decade, many physicians in this country have been prompted to study the work done by clinicians in Germany and attempt to duplicate their results. The FDA has actively persecuted doctors who have used ozone therapy. In spite of this, there is a growing network of physicians who have been using this efficacious therapy.

Compare The Federal Drug Administration and On Cancer Business & Cancer

Do not be deceived! Aids & cancer are curable!

by Dr. George Freibott, ND, MD

Friends, pay attention to the following: If you are deceived into believing that there is no cure for AIDS or cancer and are suffering from or have loved ones who are suffering from these dreaded diseases, the following may be of extreme help in reducing or even arresting suffering. Check out the following extracts. These are not, I repeat NOT, from any unrecognized sources or journals but from highly-respected individuals and institutions! The Government with the FDA, AMA and even the press, is being negligent of the welfare of our fellow human beings. Do not fall prey to their negligence and the lack of recognition of their own data! Rise up from the doldrums of apathy and unbelief! Our ignorance and lack of heed to the laws of Mother Nature and our personal insensitivity has caused these problems. Demand utilization now of these scientifically, time-tested, safe, non-toxic, harmless and lifesaving compounds. Demand this from your Government officials, health and welfare and welfare institutions, doctors, colleges of research and the press, now. Check out the extracts below.

The following dictation is from BLOOD, the Journal of the American Society of Hematology, Vol. 78, No.7, October 1, 1991: "Inactivation of Human Immunodeficiency Virus Type 1 by Ozone in Vitro" By Keith H. Wells, Joseph Latino, Jerrie Gavalchin, and Bernard J. Polesz. "A device was designed to deliver a constant source of given concentration of ozone fluids containing Human Immunodeficiency Virus Type 1 (HIV-1). Ozone was found to inactivate HIV-1 in a dose-dependent manner. Greater than 11 log inactivation was achieved within 2 hours at a concentration of 1,200 ppm ozone. Similar concentrations of ozone had minimal effect on factor VIII activity in both plasma and immunoaffinity-purified preparations of factor VIII treated for the same time period. The data indicate that the antiviral effects of ozone include viral particle disruption, reverse transcriptase inactivation, and/or a perturbation of the ability of the virus to bind to its receptor on target cells. Ozone treatment offers promise as a means to inactivate human retroviruses in human body fluids and blood product preparations." Copyright 1991 by the American Society of Hematology.

The following dictation is from the respected scientific journal SCIENCE, Vol. 209, August 22, 1980: "Ozone Selectively Inhibits Growth of Human Cancer Cells" Abstract: "The growth of human cancer cells from lung, breast, and uterine tumors was selectively inhibited in a dose-dependent manner by ozone at 0.3 to 0.8 part per million of ozone in ambient air during 8 days of culture. Human lung diploid fibro-blasts serve as non-cancerous control cells. The presence of ozone at 0.3 to 0.5 part per million inhibited cancer cells' growth 40 and 60 percent, respectively. The non-cancerous lung cells were unaffected at these levels. Exposure to ozone at 0.8 part per million

inhibited cancer cells' growth more than 90 percent and control cell growth less than 50 percent. Evidently, the mechanisms for defense against ozone damage are impaired in human cancer cells."

Compare [Interesting Medical Ozone Facts](#) and [The History of Medical Ozone in the Treatment of Aids](#).

The cause and prevention of cancer

by Dr. Saul Pressman

We now understand the chemical mechanisms of respiration and fermentation at the cellular level. And due to the work of Dr. Otto Warburg, since 1926 we have known that when a cell is deprived of oxygen, down to about 40% of normal, its respiration is irreversibly damaged. This damage causes the cell to begin to ferment sugar anaerobically producing carbon monoxide and lactic acid, and only 1/6 of the energy of normal cellular aerobic oxidation. The cell loses its governor on growth and begins to grow wildly - - what we call cancer.

This oxygen deficiency, or hypoxia, can be caused by many factors. Some poison may reach the cell and prevent oxygen uptake, or the excretory duct of a gland may become plugged up, as in breast cancer being cause by lymph gland plugging. But the end result is the same. As soon as the oxygen level to the cell is reduced, if the cell does not die, cancer will result. Frequent small doses of respiratory poisons are therefore more dangerous than a single large dose, where there is the chance that the cells will be killed rather than become cancerous.

All carcinogens impair cellular respiration. The word carcinogen is an empty word. The continual search for more carcinogenic substances is an utter waste of time and money, because this obscures the true cause of cancer, which is the oxygen starvation of the cell. It also prevents the treatment of cancer, because of misunderstanding the cause.

To destroy cancer, what is required is the introduction of massive amounts of oxygen at the cellular level. This can be done by ingesting magnesium peroxide or introducing ozone. These two treatments have been in use for over 75 years, with excellent success. They must be taken in sufficient quantities to flood the cells with oxygen, killing the cells which are now operating anaerobically.

We have recently seen people using ozone with rectal insufflation who have had mixed results. This is due to the bowel being compacted over the years with fecal material trapped in the folds. In these cases, the ozone is merely reacting with this old material, some of which may have been held there for ten or twenty years, and providing no benefit to the body.

This points out the necessity for undergoing a thorough cleansing of the large intestine by a qualified colon therapist before beginning rectal insufflation. Also, it is necessary to take the ozone in as many different ways as possible, in order that the cells become flooded with oxygen. It is not sufficient to take just a small amount to kill an active cancer. For breast cancer, direct injection into the tumor is possible. For liver cancer, injection into the portal vein, as developed by Dr. William Turska, is necessary. For other cancers, injection in the arm is usually employed.

Another effect we have observed is that there is a cycle of activity to the effectiveness of ozone. As near as we can tell, the cycle is linked to the phases of the moon. The moon governs the tides of the earth and the emotions of mankind. Since the emotions are directly linked to the immune system, the healing process would seem to be influenced by our faithful heavenly partner. Ozone also has the ability to prevent cancer. If sufficient oxygen is provided to the cells so that they never drop below 40%, they will stay healthy, barring any chemical or radiation poisoning. It is as simple, and as difficult, as that. Many people today are using ozone generators to keep their cellular oxygen levels high, to prevent disease. Ozone may be taken into the body in many ways. You can drink ozonated water, introduce it into the ear, or you can step into a body suit after a hot shower and allow ozone to come in through the skin. Ozone can be taken with rectal or vaginal insufflation. People often ask whether they will have to continue to take ozone for the rest of their life. We say that if you want to eliminate toxins from your body every day and prevent your cells from being deprived of oxygen and thus turning anaerobic, then taking ozone daily is a small price to pay. As previously said, when a cell is not receiving enough oxygen, it begins to ferment sugar and produce lactic acid. This lactic acid accumulates in the tissues and causes many problems. To remove it, it is necessary to do deep muscle massage, with ozonated olive oil, perhaps followed by ozone with a body suit or in the Saunette. This will oxidize the lactic acid and allow it to be eliminated from the body. We hear a great deal about cholesterol and clogging of the arteries, and there are any number of diets aimed at reducing the intake of dietary cholesterol. However, cholesterol is produced by the body as a natural lubricant, and new research shows that dietary cholesterol intake is not directly related to cholesterol levels. The problem is apparently caused by chlorine reacting with the cholesterol and causing it to coagulate on the walls of the arteries, forming plaque. The sources of chlorine are many, but the major ones are the drinking water supply and the salt in food. We have been told to lower our intake of sodium, but chlorine seems to be a worse culprit, especially in atherosclerosis, heart disease and high blood pressure. When ozone is ingested over time, it scours out the arteries by oxidizing the plaque, cleaning the system so blood can flow properly. Ozone also reduces the clumping of red blood cells, enabling them to pick up oxygen in the lungs, and increasing their flexibility, which is crucial to microcirculation through the fine capillaries.

Superoxygenation for health

by Dr. Saul Pressman

Oxygen is the most vital element required for human life and it is the key to good health. We can survive without water for a week and go without food for a month, but we can only live a few minutes without oxygen. Oxygen is the life-giving, life-sustaining element. All body activities require oxygen. Through oxidation, the body generates heat and energy from its fuel, and disposes of wastes and microbes. Our bodies are two-thirds water. Of that water, ten per cent is blood and ninety per cent is lymph. Since the water in our bodies is itself 8/9 oxygen by weight, we are therefore composed of over 50% oxygen. The best way to optimize health is to oxygenate every cell in our body. The more oxygen we have in our system, the more energy we produce, and the more efficiently we can eliminate wastes. Good health is dependent on the production, maintenance and flow of energy, which is produced by the oxidation of sugar. Oxidation is central to metabolism, circulation, respiration, digestion, assimilation and elimination. Oxygen purifies the blood, keeping it free of cellular waste buildup. Sufficient oxygen allows the body to rebuild itself and maintain the immune system. Healthy cells require sugar, amino acids, minerals, hormones, enzymes and oxygen.

The Cause of Cancer

The link between insufficient oxygen and disease has been firmly established. Insufficient oxygen can result in anything from mild fatigue to life-threatening disease. Dr. Otto Warburg was awarded the Nobel Prize in 1931 and again in 1944 for discovering the cause of cancer. He said, "Cancer has only one prime cause. The prime cause of cancer is the replacement of normal oxygen respiration of body cells by an anaerobic (oxygen-less) cell respiration." Once the level of oxygen available to a cell drops below 60% of normal, the cell is forced to switch to an inferior method of energy production -- fermentation. The cell can never be returned to the proper oxidation system, and loses its governor on replication. It begins to reproduce copies of itself wildly, a condition we call cancer. Dr. Warburg pointed out that any substance that deprived a cell of oxygen was a carcinogen, if the cell was not killed outright. He stated in 1966 that it was useless to search out new carcinogens, because the result of each one was the same, cellular deprivation of oxygen. He further stated that the incessant search for new carcinogens was counter-productive because it obscured the prime cause, lack of oxygen, and prevented appropriate treatment.

Confirmation of Dr. Warburg's Work

The National Cancer Institute endorsed Dr. Warburg's findings in 1952. This research was continued by Dr. Harry Goldbatt, who published his findings in the Journal of Experimental Medicine in 1953. His research confirmed that lack of oxygen plays the major role in causing cells to become cancerous. Dr. Albert Wahl said, "Disease is due to a deficiency in the oxidation process of the body, leading to an accumulation of toxins. These toxins are ordinarily burned in normal oxidation." Dr. Wendell Hendricks of the Hendricks Research Foundation wrote: " Cancer is a condition within the body where the oxidation has become so depleted that the body cells have degenerated beyond control. The body is so overloaded with toxins that it sets up a tumor mass to harbor these poisons and remove them from general activity within the body." Dr. Hendricks further states, "The true cause of allergy is a lowered oxidation process within the body, causing the body to be sensitive to substances entering. Only when the oxidative mechanism is restored to a higher state of efficiency can the sensitivity be eliminated." Dr. Stephen Levine stated, "Hypoxia, or the lack of oxygen in the tissues, is the fundamental cause of all degenerative diseases."

Dr. Norman McVea said, "When the body has sufficient oxygen, it is able to properly eliminate toxic wastes from the system. Natural immunity is enhanced when the system is not burdened with a heavy buildup of toxins."

In the August 22, 1980 edition of the scientific journal "SCIENCE," Vol. 209, there was a report written by Dr. Michael Carpendale entitled: "Ozone Selectivity Inhibits Growth of Human Cancer Cells." It stated, in part, " The growth of human cancer cells from lung, breast and uterine cancers was selectively inhibited in a dose-dependent manner by ozone at 0.3 to .8 parts per million of ozone in ambient air during eight days of culture. Human lung diploid fibro-blasts served as non-cancerous control cells. The presence of ozone at 0.3 to 0.5 parts per million inhibited cancer cell growth at 40 and 60% respectively. The non-cancerous lung cells were unaffected at these levels. Exposure to ozone at 0.8 parts per million inhibited cancer cell growth more than 90% and control cell growth less than 50%. Evidently the mechanisms for defense against ozone damage are impaired in human cancer cells."

The evidence from these doctors' research is conclusive. Oxygen plays the primary role in health and well-being. It is important to note that fear, worry and depression all interfere with free breathing and thus reduce oxygen uptake.

Achieving Superoxygenation

How can we ensure that our bodies are sufficiently oxygenated to eliminate toxins and prevent or cure disease? Scientific studies have proven repeatedly that medical ozone, properly introduced into the body in repeated applications, removes accumulated toxins and inactivates viruses, bacteria, fungi, yeast, protozoa and carcinomas in disease cells. All harmful bacteria and viruses are anaerobic and cannot thrive in an oxygen-rich atmosphere.

What is Ozone?

Chemically, ozone is oxygen with an extra molecule added. Electrically, ozone is oxygen with a higher energy level. It is unstable and highly reactive.

There is a cycle of oxygen just as there is a cycle of water. Oxygen is released in photosynthesis by land plants and ocean phytoplankton (mostly diatoms), and rises up in the atmosphere about 25-30 miles, where it is energized by a part of the ultraviolet spectrum of energy from the sun, producing ozone. Ozone is heavier than air and begins to descend. It immediately attaches itself to airborne particles if it contacts them, oxidizing them, cleaning the air. If it encounters water vapour, it can attach itself to it, forming hydrogen peroxide. Rain and snow both contain hydrogen peroxide naturally. That is why plants grow better from rain water than from irrigation.

At ground level, ozone attaches itself to all pollutants, oxidizing them and cleaning the air. It has been incorrectly blamed for smog. Ozone is present in smog only transiently at around 25 parts per hundred million.

Carbon monoxide is present in smog at about 3000 parts per hundred million, and hydrocarbons at about 100 parts per hundred million. Smog is produced by the photoelectric effect of the sun's rays acting on carbon monoxide and nitrogen dioxide in the atmosphere, which are the end products when hydrocarbons are burned.

Ozone cannot be produced in the internal combustion engine because the hydrocarbon fuel quenches the spark gap. The ozone that exists in the atmosphere is produced by nature and it is attracted to pollutants because of opposite charge -- it attempts to oxidize them and clean the air. The problem is one of too little ozone to complete the job, not too much.

Ozone is also created near the ground by lightning. The fresh smell in the air after a thunderstorm is ozone. The amount of ozone created in an average thunderstorm is about three times the safe limit according to US EPA regulations.

Hydrogen Peroxide

Hydrogen peroxide, the partner to ozone, is more properly called oxygen water, since it is water with an extra oxygen molecule. It is found in rain and snow; the water at Lourdes; in fresh fruit and vegetables; and in colostrum, the first milk that a mother produces, where it provides a defense against infection until the baby's own immune system develops and is able to produce its own hydrogen peroxide. In the body's immune defense, hydrogen peroxide is released by T-cells to destroy invading bacteria, viruses and fungi. Blood platelets release hydrogen peroxide on encountering particulates in blood. Hydrogen peroxide is formed in the body by microbodies called peroxisomes, which combine water with oxygen, if sufficient oxygen is available. The

importance of a high level of oxygenation is obvious. In the large intestine, acidophilus lactobacillus produces hydrogen peroxide which keeps the ever-present candida yeast from multiplying out of control. When candida spreads out of the intestine, it escapes the natural control system and can gain a foothold in the organs of the body, causing what is called chronic fatigue syndrome and allergic hypersensitivity. Bathing in hydrogen peroxide is the best way to get it into the body, and is inexpensive. The recommended rate is 8 oz. of 35% food grade hydrogen peroxide in a tub of unchlorinated water, soaking 30 minutes. Up to 3% hydrogen peroxide can be made by bubbling ozone through cold water for a period of time. The medical uses of hydrogen peroxide were pioneered in this century by Dr. Edward Carl Rosenow who did research and treatment at the Mayo Clinic for 60 years, and who wrote many papers on the medical uses of hydrogen peroxide. Used together, ozone and hydrogen peroxide offer the world a bright and healthy future in the coming century.

Diseased Cells

What distinguishes diseased cells from healthy ones? All cells derive their energy from glucose, but healthy cells burn glucose in oxygen by oxidation, while unhealthy cells ferment glucose anaerobically, producing large amounts of lactic acid. Fermentation produces only 1/6 the energy of oxidation, so cancer cells are perpetually starving for energy, and consequently have huge appetites for sugar. This wasteful metabolism becomes self-sustaining and dominant unless the oxygen level is sharply increased. Healthy cells which have sufficient oxygen and nutrients manufacture an enzyme coating around them that protects them from invasion. These enzymes are catalase, reductase, superoxide dismutase and glutathione peroxidase. So long as a cell maintains this enzyme coating around itself, it is safe from invasion by viruses, and ozone cannot harm it. Oxygen-starved cells are unable to produce enough enzymes to fortify their cell wall and are thus more vulnerable to invasion by the always-present viruses. Disease microbes have no enzyme coating. When ozone is introduced into the area, it attacks microbes without a coating and diseased cells with deficient cell wall enzymes. It oxidizes them, allowing them to be cleared from the body.

Free Radicals

Free radicals are atoms with unpaired electrons, a natural occurrence in biochemical reactions. There could be no chemical reactions and thus no life without free radicals. The properties of free radicals vary widely. Some are toxic to all living cells, others only to the most vulnerable cells. Singlet oxygen is highly reactive beneficial free radical that acts as a scavenger of other harmful free radicals. The oxygen combines with them to render them harmless, thereby protecting cells from damage.

The so-called anti-oxidant enzymes are gaining in popularity as nutritional supplements due to vigorous promotion. They are not anti-oxidant at all, but rather free radical scavengers and enzyme enhancers. They have been shown to help protect

marginally healthy cells from general free radical damage. Superoxide dismutase in particular has helped reduce a variety of disorders; normally it is among the body's most plentiful enzymes. In any case, it does not address the cause of the problem: oxygen starvation at the cellular level, which causes the cells to be too weak to make the enzyme coatings that protect them.

Finally, the psychological consequences of convincing people that oxygen is detrimental to health when it is the most important requirement for life have not been addressed in any way. The limbic system, or midbrain, controls both the emotions and the immune system. We must never engender fear with inaccurate statements regarding health, as is so often done by the media with their periodic waves of 'carcinogen panic.' As Dr. Warburg stated clearly in 196, this approach is detrimental to public health.

Repeated treatments with ozone are required because viruses and bacteria seem to be more susceptible at different stages of their growth cycle. Ozone lasts in the body for only a very short period of time, oxidizing toxins, before turning back into oxygen, so it must be reintroduced repeatedly over a period of weeks or months. Medical ozone is completely safe and non-toxic to humans when generated by proper non-contaminating equipment and administered with proper protocols. It has been shown to be completely safe even when a dosage many times greater than the proposed human dosage is administered.

Oxidation: the key to cancer and degenerative disease

by Dr. George A. Freibott

"Even for cancer, there is only one prime cause. Summarized in a few words, the prime cause of cancer is the replacement of the respiration of oxygen on normal body cells by a fermentation of sugar." - [Dr. Otto Warburg](#), the recipient of the Nobel Prize in Medicine, in 1931 and again in 1944.

Oxidation - What does the word oxidation mean? Of late, much has been spoken of ozone, oxygen, oxidation, oxidative therapies and aerobics. What do these have in common? What are the mysterious properties that result in such phenomenal healing assistance to the body?

Oxidation is defined as the ability of oxygen to combine with other substances forming water and gases. In the body, the process of oxidation occurs repeatedly. Without this process taking place, life would cease very, very quickly. We take oxygen, through our respiratory exchanges, and dispose of body effete, also referred to as 'toxins.' Our

blood has the function of picking up oxygen from the lungs, transporting it, and disposing of toxins. This, in combination with several other metabolic functions, is oxidation.

Oxygen, the most crucial element to our health and lives, is vastly being depleted: Pollution, whether internal or environmental, is the robber. Often today we hear of the 'toxic free radicals' and the free radical theory of disease causation. Yet, without free radicals the body ceases to exist. Oxygen and ozone break down to unpaired, freely bonding electron sub-units able to combine with other free radicals. These new compounds can then be excreted. The common belief today is "Free radicals are bad, nasty, harmful to the human body." Do not be fooled! Free radicals are necessary to the functioning and nutrition of the human organism. It is the excessive proliferation of free radicals that are unnecessary to metabolic function and nutrition that are often harmful to the human organism.

Why are we now discussing free radicals? Because free radicals are either a boon or a bane to the state of health and homeostasis. Without the free radical oxygen, also known as O₁ or nascent oxygen, 'nasty, destructive' free radicals cannot be efficiently eliminated by the body. The nascent free radical oxygen seeks out and combines with toxic free radicals. These destructive free radicals have accumulated due to the absence of healthy 'free radical' oxygen. This absence has hindered the whole oxidative cycle of our aerobic bodies.

The ingestion of ozone and magnesium peroxide raise the level of oxygen in the body, and contribute to improved health through improved oxidation.

Interesting medical ozone facts

by Dr. H. E. Sartori, MD

Ozone has been used in Germany since the 1950's to disinfect donated blood and has been found effective in eliminating transmission of hepatitis, syphilis, and most recently, HIV.

The most common method of ozone administration in Germany has been major autohemotherapy. However, intravenous ozone therapy has been used since the early 1980s.

The main advantages of intravenous are:

1. Precise dosage.
2. Consistently better results compared with autohemotherapy. Direct IV application

produces much better results and requires fewer applications. This is particularly apparent in patients with lung cancer, allergies, and AIDS.

3. Prompt elimination of any allergic components contributing to cancer formation and virtually all other degenerative diseases, all vascular diseases, immune diseases, and allergies of all types. This effect is much more consistent than with autohemotherapy. The same applies to removal viruses, bacteria, and fungi that may also be adjunctive factors for cancer and other degenerative diseases. Direct intravenous ozone consistently removes unwanted antibodies from the bloodstream.

4. Clean application of the ozone with simple syringes without the requirement of using disposable bottles and other equipment that could be contaminated with HIV.

When ozone is injected into the blood stream, it immediately starts to react with any available type of oxidizable substrate, most notably the lipids of the cell membrane. Lipid peroxidation products of ozone include alkoxy and peroxy radicals, singlet oxygen, hydrogen peroxide (peroxide burst is the mechanism by which viruses, bacteria, and fungi are killed by macrophages and microphages), oxonides, carbonyls, alkanes and alkenes.

If all the different reactants are taken into consideration, there may be products formed in minute ("homeopathic") amounts under conditions of considerable turbulence, simulating homeopathic "succession," the vigorous shaking used in classic homeopathy to "potentiate" the remedy. This brings about a healing crisis. After the healing crisis is brought about by the ozone administration, these conditions are resolved (analogous to the effects of homeopathic remedies) and people reach a new level of well-being. Particularly impressive is this effect in all chronic allergies, asthma, hay fever, brain allergies, and in chronic fatigue syndrome.

A. MEDICAL OZONE APPLICATIONS FOR AIDS

Ozone is the most important modality in the comprehensive treatment plan necessary for successful treatment of AIDS. In conjunction with neuro-associated conditioning, a complete nutritional program, advanced microcurrent therapy, herbal immunostimulation, and a total lifestyle rehabilitation program, ozone has been proven effective in reversing AIDS, even in terminal patients.

The main ozone effects in AIDS patients are:

- The reversal of any unresolved pathogenic process that may contribute to immune deficiency.
- The effective killing of all viruses, bacteria, fungi, and protozoa involved in AIDS.
- The stimulation of depressed immunity and the alleviation of excessive immune reactions.

- The elimination of any allergic component and all HIV antibodies.
- The elimination of malignant tumours.
- The elimination of toxins, fatigue and prostration, along with a general revitalization.

B. OZONE AND THE MAIN MANIFESTATION OF AIDS

- Ozone promptly reverses AIDS-related opportunist infections including pulmonary infections such as pneumocystis carinii pneumonia, pulmonary toxoplasmosis, bronchopulmonary candidiasis, pulmonary cryptococcosis, pulmonary and disseminated histoplasmosis, mycobacterium avium complex, cytomegalovirus and herpes simplex, pneumonia, tuberculosis, nocardiosis, pyogenic bacterial pneumonia, and lymphoid interstitial pneumonia.
- Ozone assists in reversing opportunist malignancies such as non-Hodgkin lymphoma (especially if pulmonary), hepatomas, and T-cell leukemia and lymphadenopathy associated virus.
- Ozone has proven to be highly effective in reversing progressive multifocal leukoencephalopathy, indistinguishable on MRI and neuro-diagnostically from herpes varicella-zoster viral lesions also seen in AIDS patients.
- Ozone effectively reverses any allergic factors contributing to immunodepression low T-cell count, especially low CD4 counts. After ozone treatments, there are frequently prompt increases of the CD4 cell count, rapid decreases of HIV antibodies, and normalization of most blood parameters within a few months.
- Vaginal ozone applications are very effective for sustained debilitating vaginal candidiasis of female AIDS patients. Ozone is part of the treatment program for aggressive cervical cancers often seen in female AIDS patients, as well as candida.
- Ozone eliminates viral and bacterial contaminants from blood products such as syphilis, Hepatitis B and C, HIV, HTLV-1, HTLV-2, Colorado tick fever, as well as babesiosis, malaria, leishmaniasis, trypanosomiasis, and toxoplasmosis.
- Ozone is the most effective treatment for viral infections such as mycoplasma, chlamydia, and rickettsial infections without any of the long-term side effects of antibiotics.
- Ozone is effective against arbovirus infections, all forms of encephalitis, dengue hemorrhagic fever and shock syndrome, yellow fever, jaundice hematemesis, oliguria with proteinuria, Congo- Crimean hemorrhagic fever, Omsk hemorrhagic fever, Kyasnur Forest disease, and arthropod-borne viral fevers, such as Dengue fever, Rift Valley fever, and Colorado tick fever.

- Ozone is effective against arenaviral diseases such as Lassa fever, Argentine and Bolivian hemorrhagic fevers and lymphocytic choriomeningitis.
- Ozone is also highly effective against respiratory viral infections from influenza, parainfluenza, respiratory syncytial virus, rhinovirus, adenovirus, coronavirus, as well as against measles, mumps and rubella.
- Ozone is effective in viral infections in immunocompromised patients such as herpes simplex 1 and 2, cytomegalovirus, Epstein-Barr virus, varicella pneumonia, herpes zoster, Guillain-Barre syndrome, Ramsay-Hunt syndrome, Bell palsy, colitis, transverse myelitis and mononucleosis.
- Ozone is effective in minimizing complications of enteroviral infections such as poliomyelitis, aseptic meningitis, rabies, myocarditis/pericarditis and myalgia.
- Viral diarrheas caused by rotavirus, Norwalk agent, astrovirus, and corona virus respond well to rectal ozone applications
- Chlamydia, pneumonia of all types, endometritis, epididymitis, salpingitis, proctitis, conjunctivitis, urethritis, pyelonephritis and mycoplasma infections respond well to systemic and local ozone applications.
- Ozone is effective for the treatment of Rocky Mountain Spotted Fever, typhus, ehrlichiosis and trench fever.
- Ozone is the treatment of choice for all types of acute or chronic allergies including asthma, sinusitis, and rhinitis.
- Ozone is an effective treatment for urticaria, angioderma, hypotension, bronchospasm, uterine spasm, anaphylactic shock, and reactions to stinging insects.
- Ozone treats hemolytic anemia, thrombopenic purpura, leukopenia, pemphigus, pemphigoid, myasthenia gravis, hyperthyroidism, pernicious anemia, and renal disease.
- Ozone works against rheumatoid arthritis, lupus, polyarteritis, cryoglobulinemia, pneumonitis, aspergillosis, and glomerulonephritis.
- Contact dermatitis and granulomas of all types are effectively treated with ozone.
- Ozone is effective against Hashimoto thyroiditis, SLE, Goodpasture syndrome, Graves disease, RA, Addison Disease, angitis, panniculitis, polyarteritis, and Wegener granulomatosis.
- **Ozone combined with shark cartilage, herbal treatments and lifestyle therapy produces prompt regression of cancer tumors and impressive long-term cure rates in most cancer patients. Ozone acts by both destroying the tumor directly and by stimulating the depressed immune**

system. Specifically, ozone enhances the formation and function of T-lymphocytes, the production of cytokines, such as interleukin, interferon, tumornecrosis factor, lymphotoxin, granulocyte and macrophage colony-stimulating factors and cytokine synthesis inhibitory factor. Interleukin-2 is the most important T-cell driven lymphokine. Ozone may also sensitize lymphocytes to become tumor infiltrating lymphocytes.

- Ozone is a great detoxifier, oxidatively destroying tar, soot and oil in the lungs, benzene, vinyl chloride and other hydrocarbons that are carcinogenic.
- Ozone is effective in alleviating adverse effects from conventional cancer treatment with radiation, chemotherapy and of surgery complications, such as immunodepression and wound infection.
- Ozone is particularly effective against bacterial pneumonias, fungal infections, coccidioidomycosis, candidiasis, cryptococcosis, pulmonary aspergillus, septicemia and zygomycosis.
Compare Fungi producing mycotoxins: The Fungal/Mycotoxin Etiology of Human Disease (particularly CANCER).
- Other bacterial disease that ozone has been found effective on include: leptospirosis, listeriosis, brucellosis, arthralgia, lymphadenopathy, meningitis, paravertebral abscess, all hepatitis, orchitis, epididymitis, uveitis, cellulitis, vasculitis, tularemia, tetanus, botulism, food poisoning, enteritis, myonecrosis, anthrax, Lyme disease, melioidosis, salmonella enteric fever, relapsing fever, meningococcal infection, E.coli Bartonellosis, meningococcosis, hemophilus, pneumococcus, and echovirus.
- Protozoal infections for which ozone is effective include giardiasis, cryptosporidiosis, malaria, trypanosomiasis, pneumo-cystosis, naegleria, acanthamoeba meningoencephalitis, and visceral leishmaniasis.
- Ozone insufflated rectally is the most effective treatment for inflammatory bowel disease, ulcerative colitis, Crohn's disease, pancolitis, amebiasis, proctosigmoiditis, intestinal tuberculosis, diverticulitis, fistulas, fissures and abscesses, irritable bowel syndrome and hemorrhoids.
- Rectal and systemic ozone is the most effective treatment for liver disease of all types including hepatitis, **hepatocellular cancer**, cholestatic syndromes and cirrhosis of the liver.
- Ozone is especially indicated for rheumatoid arthritis, systemic lupus erythematosus, scleroderma, polymyositis, ankylosing spondylitis, osteo-arthritis, Reiter syndrome, psoriasis, synovitis, gout, chondrocalcinosis, pyrophosphate arthropathy, calcific peri-arthritis, calcific tendinitis, and calcinosis.

- Ozone is a highly effective adjunct to EDTA chelation therapy. It is useful in ischemic heart disease, angina, myocardial infection and ischemic arrhythmia, and cardiomyopathy. Ozone helps to eliminate any drugs, alcohol or environmental toxins that may contribute to heart or vascular disease. It has produced dramatic improvements in peripheral vascular disease, and relieved claudication, ischemic cramps and ischemic ulcers. Ozone with EDTA has produced excellent results in cerebrovascular insufficiency, fibromuscular dysplasia, lupus erythmatosus, polyarteritis, nodosa, granulomatous angiitis, Takayasu panarteritis, meningovascular syphilis, intracranial arterial occlusions, Alzheimer's disease and senile dementia, and cerebral atrophy.
- Ozone is an excellent therapy for varicose veins, especially if associated with pain, fatigue, cramps of the calf muscles, stasis syndrome with pigmentation, eczema, subcutaneous induration, and varicose ulcers.
- Ozone is an effective treatment for multiple sclerosis, optic neuritis, encephalomyelitis, amyotrophic lateral sclerosis (ALS), Parkinson's disease, essential tremor, tardive dyskinesia, dystonia, supranuclear palsy, striatonigral degeneration, Tourette syndrome and Huntington's chorea.
- Ozone is helpful in improving the circulation in optic neuritis, ischemic optic neuropathy orbital cellulitis, cavernous sinus thrombosis, uveitis, vascular retinopathies, senile macular degeneration, papillitis, herpes zoster ophthalmicus, toxic amblyopia, glioma, malignant melanoma, otitis media, mastoiditis, otosclerosis, Meniere disease, acute vestibulopathy, herpes zoster oticus, and all peripheral poly-neuropathies.
- **Ozone oxidatively destroys chlorinated and nonchlorinated hydro-carbons and alicyclic compounds and thus helps eliminate most drugs, alcohol and all manmade environmental toxins that contribute to human disease.**
- Ozone is indicated for the topical treatment of dermatological disorders such as herpes simplex and zoster, warts and molluscum contagiosum, impetigo, ecthyma, epidermal necrolysis, erysipelas, folliculitis, furuncles, carbuncles, tinea, candidiasis, scabies, pediculosis, cutaneous larva migrans, acne, rosacea, psoriasis, lichen planus, erythema multiforme, pemphigoid, bullous pemphigus, dermatitis herpetiformis, morbilliform, ichthyosis vulgaris, epidermolytic keratosis, lamellar ichthyosis, basalionomas and spinalionomas, stasis dermatitis, stasis ulcers, decubitus ulcers, and healing of fistulas, and burns of all types.
- **Ozone helps minimize the effects of radiation treatment/poisoning, such as decreased libido, amenorrhea, anemia, leukopenia, thrombopenia, skin cancers, osteosarcoma, pneumonitis, pericarditis, myocarditis and myopathy.**

Contemporary Ozone Applications

by Kurt Donsbach

In order to appreciate ozone one must first understand fully the critical role oxygen plays in human life. Oxygen is by far the most important necessity of human life. It performs hundreds of tasks in the body, but the two most important are energy production and detoxification.

The production of energy in the body is accomplished by the combination of glucose with oxygen, producing ATP. The body makes an amount of ATP equivalent to your body weight every 24 hours. If you make 10% less ATP than normal, you will feel tired and sluggish. If ATP production falls too far, you will deteriorate rapidly, and die. Energy is life and the production of energy in the body depends upon oxygen.

The second important function of oxygen is to combine with metabolic waste products to allow their elimination from the body. This process is called the oxidation reduction cycle. When insufficient oxygen is available, the detoxification process slows down, wastes pile up, circulation becomes sluggish, oxygen is prevented from reaching the cells and disease results. Thus, we can see that oxygen is essential to these two vital phases of life.

Since oxygen is the most critical requirement for life, the ingestion of substances that increase the level of oxygen in the body are the most beneficial to optimum health. The best sources of oxygen are ozone, hydrogen peroxide and magnesium peroxide.

Ozone treatment is safe because healthy cells are surrounded by an enzyme coating, which ozone does not penetrate. Bacteria and viruses have no such coatings and are oxidized on contact by ozone. Ozone also promotes the production of glutathione peroxidase, catalase, reductase and super-oxide dismutase which are the enzymes forming the cell wall coating and therefore cellular immunity is enhanced.

Ozone also has a measurable benefit on the uptake and utilization of oxygen through improved glycolysis in red blood cells, reduction of clumping of red blood cells and the stimulation of mitochondrial respiration. This improved cellular respiration is invaluable in preventing cancer.

Cancer begins when a normal cell cannot get enough oxygen. If the level of oxygen available falls below 40%, in order to survive, the cell will begin to ferment sugar instead of burn it. This process is irreversible, and results in an energy output only 1/6 as great as oxidation. The cell then lacks the energy to manufacture a proper enzyme coating around itself. The governor on cell

replication is switched off, and the cell can begin to make copies of itself wildly. This uncontrolled cell replication is called cancer.

When ozone is introduced into the area, it immediately attacks the unhealthy cells because they lack a proper enzyme coating. Healthy cells are untouched. If sufficient ozone is administered over time, the tumor will be dissolved.

The applications of medical ozone include performance enhancement, increased longevity, accelerated wound healing, dentistry, heart disease, all infections, treatment of all gastro-enteric diseases, immune stimulation, treatment of all cancers [snip]. Ozone also combines well with intravenous chelation therapy which is used to treat arterial disease or heavy metal toxicity. Chelation therapy works quite slowly through a number of infusions, and adding ozone can speed this process up.

Ozone provides an immediate oxygen boost to heart tissue which can noticeably reduce the incidence of angina. It also improves brain function, because the brain uses over 15% of all the oxygen in the body.

Through the development of modern equipment, home usage of ozone therapy has become practical. Rectal and vaginal insufflation, combined with use of a body suit or bag, drinking of ozonated water and breathing ozone bubbled through olive oil, are established protocols for home usage.

The naso-pharyngeal area is often the site of chronic minor infections which become acute in cycles. Chronic sinusitis is probably one of the most common maladies of today. The introduction of ozone into the ear canals can be of great benefit in reducing such chronic infections. At first, just do it for a few minutes.

Another method of getting ozone into the body is with use of a closed, one-person sauna. Since the pores will be open in the moist heat, ozone can be absorbed slowly and safely in large amounts through the skin. This method prevents the great fatigue of toxic shock sometimes encountered with other methods, because the oxidized toxins are sweated out through the skin rather than being dumped to the liver. This technique is particularly effective for bed sores, ulcers, non-healing wounds and burns.

Medical doctors in Europe have recognized the beneficial effects of ozone for over 80 years. German doctors have developed many different methods of administering ozone. Medical ozone therapy is quite new to Britain and Canada, and only practiced by a few doctors. It is even less available in the US due to active persecution by the FDA. But in Germany, over 7000 doctors give ozone therapy daily. The medical use of ozone has an excellent safety record and no toxic side effects have been observed in millions of treatments over nearly 100 years.

The use of ozone for medical therapy is well-established and is being vigorously pursued by many clinicians. As technology develops, new techniques will emerge that

will enlarge the scope of the effective use of this healing modality.

A caveat re oxygen therapies for cancer patients?

The following statement/testimonial/warning can be found at www.earthclinic.com (dated 8 May 2008) and is included here for what it may be worth. While it seems to be somewhat at odds with other testimonials it may be an important piece of information nevertheless. It may also underline the importance of approaching the healing of cancer holistically:

"OXYGEN THERAPY - WARNING! I've been a fan of Earth Clinics remedies for a long time. Had success with oil pulling, leaching out fluoride, [apple cider vinegar] with baking soda, but one remedy I have to warn against is the oxygen therapy for cancer. I have breast cancer and tried the HBOT (oxygen tank). It was \$6,000 for 40 sessions. At the end of these sessions my tumor grew from a large grape size to a large grapefruit size. In addition I tried soaking in Hydrogen Peroxide and taking Bill's spray. This irritated the tumor and sprouted another tumor in my lymph node area under my arm. Later from a doctor I found out that a lot of cancer patients using external remedies applied cause the tumors to grow out of the skin [which in the best scenario **could** mean it is being shed, comment by Healing Cancer Naturally] and cause other more serious problems. So I just want to warn those of you with cancer to be weary."

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