A few references some positive some negative

Mediators of Inflammation
Volume
3 (1994), Issue 5, Pages
315-321
doi:10.1155/S0962935194000438

A reasonable Approach for the Treatment of HIV Infection in the Early Phase with Ozonetherapy (Autohaemotherapy). How ‘Inflammatory’ Cytokines may have A therapeutic Role

V. Bocci

Institute of General Physiology and Nutritional Sciences, University of Siena, 53100, Italy

Copyright © 1994 Hindawi Publishing Corporation. This is an open access article distributed under the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

Abstract

Immunoregulatory cytokines produced by the TH1 subset and by CD8+ T lymphocytes appear to brake naturally and sometimes arrest the progress of HIV infection in the early phase. It appears reasonable to assume that a mild and equilibrated stimulation of the immune system may prevent or delay the fatal transition towards the prevalent production of TH2-type cytokines. The problem is how to stimulate the immune system in a physiological fashion. In the last 7 years we have clarified the main mechanisms of action of an unorthodox immunotherapeutic method first used 40 years ago. Optimized autohaemotherapy after a brief exposure of blood to ozone may today afford the trick of reprogramming the immune system to keep HIV at bay. The autohaemotherapeutic procedure is simple, safe, inexpensive and most likely is more effective than conventional approaches.

Ozone inactivates HIV at noncytotoxic concentrations

- Michael T.F. Carpendale†‡‡
- Joel K. Freeberg†‡
- Rehabilitation Medicine and Research Services, Veterans Administration Hospital, San Francisco, CA 94121, U.S.A.
- Department of Orthopaedic Surgery, University of California School of Medicine, San Francisco, CA 94143, U.S.A.
- Center for Medical Ozone Studies, Bay Medical Research Foundation, San Francisco, CA 94117, U.S.A.
Abstract
The inactivation of human immunodeficiency virus (HIV) and cytotoxic properties of ozone-treated serum and serum-supplemented media were examined. The titer of HIV suspensions in human serum was reduced in a dose-dependent manner when treated with total reacted ozone concentrations at a range of 0.5 to 3.5 μg/ml. Complete inactivation of HIV suspensions was achieved by 4.0 μg/ml of ozone in the presence or absence of H-9 cells. In contrast, cellular metabolism, as measured by MTT dye cleavage, and DNA replication, as measured by BUdR incorporation, were enhanced in H-9 cells grown in media treated with quantities of ozone that completely inactivate HIV. The permissively HIV-infected cell line HXB/H-9 was cultured in ozone-treated media for six days with culture supernatants being sampled and assayed on alternate days for HIV p24 core protein. HIV p24 was reduced in all treated cultures compared to control cultures, with an average reduction of 46% [p24].

10 Years of LSU AIDS Therapy with Ozone and a Multimodal Treatment Program

Subject: AIDS
AIDS
After 10 years of clinical experience with 165 AIDS patients, H.E. Sartori, M.D., and H. Hugh Fudenberg, M.D., conclude that treatment with ozone and a multimodal program can produce a 95% success rate in terms of normalizing laboratory test results and the physical and mental well-being of patients. They call their AIDS treatment approach Life Science Universal (LSU) and it includes a 12-day ozone program (30-35 mg daily of ozone per 154 pounds of body weight, delivered intravenously), supplementation with vitamins, minerals, and herbs, psychological counseling, "reconditioning" (which involves a 12-step goal-setting program), internal energy exercises, and a mostly vegetarian diet with no dairy products. In addition, they use 8 adjunctive therapies, such as homeopathy, Chinese herbs, acupuncture, coffee enemas, heat therapy, thymus extracts, and feedback control electrical stimulation (including ear acupuncture using electric currents), when needed. Of 119 patients for whom post-treatment laboratory results were available, 53 (45%) had their T4 immune cells return to normal; other key blood factors also became normal again. For another 46 patients (39%), their T-cell count increased by at least 200. Of 91 patients graded HIV-positive, 75% saw their conditions change to HIV-negative after completing the program. Most of the patients receiving this treatment "showed a significant improvement of their general well-being and of most of their clinical symptoms," state Drs. Sartori and Fudenberg.


OZONE HAS CURED AIDS IN OVER 300 CASES

".....in this article I will focus solely on medical ozone, which, in the case of AIDS, has already caused over 350 people in the U.S.A. to go into "complete spontaneous
remission" wherein no trace of the virus can be found, verified by standard ELISA, Western Blot and PCR testing."----ED McCABE

Nexus Magazine August--September 1992

As an investigative journalist and author of the book "Oxygen Therapies", I can make this statement of opinion in the tide of this article, after interviewing thousands of people and hundreds of doctors using oxygen therapies over the past 5 years. Medical oxygen/ozone therapies are the single most effective medical treatment available to us today.

Everyone on this planet needs to be made increasingly aware that for several years now I have met and keep meeting people who no longer have AIDS, cancer, and almost any other disease you can think of, due to the continual and correct application of oxygen therapies. I have assembled the following information to educate you as to exactly what exists right now to help you. You will become increasingly thankful for this information as AIDS moves out of the social minority areas and into the heterosexual backyard. AIDS is the second leading cause of death for men between 25-44. Next year it will be the second leading cause of death for everyone. After that there is no limit to the destruction unless we immediately institute widespread medical ozone application.

It is well documented that for over one hundred years, a quiet multitude of patients and doctors have used special forms of ozone, hydrogen peroxide, magnesium peroxides combined with ozonides, "stabilised oxygen" products, and other singlet oxygen delivering substances to successfully detoxify the human body and eliminate disease. However effective each of these substances may be, none of them has thousands of practitioners using them daily and reporting their effectiveness like ozone has, coupled with the availability of an ongoing over 50 year medical track record.

So, in this article I will focus solely on medical ozone, which, in the case of AIDS, has already caused over 350 people in the U.S to go into "complete spontaneous remission" wherein no trace of the virus can be found, verified by standard ELISA, Western Blot and PCR testing. This healing also included energy and happiness increases, weight gains, and the disappearance of all the other standard disease indicators (markers). In short, plenty of people who had AIDS no longer have any virus or any secondary infections in their bodies, because ozone has oxidized the harmful causative agents. I have been reporting this phenomenon in print since 1988, but the numbers of documented cures are increasing substantially both within the U.S. "underground", and in Europe to the point that I do not think ozone can be repressed any longer.
The way the ozone works as a disease treatment is so simple that it befuddles the great minds. Unlike healthy human cells that love oxygen, the primitive viruses - like HIV - which are found in AIDS and other diseases are lower life form viruses. These viruses and related bacteria are anaerobic. That means these microbes cannot live in oxygen. Therefore, what would happen to these anaerobic viruses if they were to be completely surrounded with a very energetic form of pure oxygen called medical grade ozone? What if enough of this special form of oxygen/ozone were to be slowly and harmlessly introduced into the body every day over the course of a few months, while bypassing the lungs and saturating every fluid and cell with it? Can't live in oxygen... surrounded with oxygen. That is the subject of this article.

If ozone is so good why hasn't everyone heard about it? Well, many have. I have been on over 700 radio and TV shows and speaking platforms telling people, but if I was to pick one word why ozone is not spoken of on the major media, it would be "Politics." Although millions of people, including little babies, have AIDS, and ozone definitely solves the problem if applied correctly, for long enough, and early enough, the U.S. medical establishment clings to the outmoded model of poisoning the body with toxic drugs to get rid of disease instead of cleaning the body out and boosting immunity by flooding the body with oxygen (ozone treatments). Most of the officials in the U.S. medical and regulatory community are financially tied to the pharmaceutical industry which, through interlocking directorates within all major media outlets, does not allow unprofitable (for them) competing therapies to emerge into the public debate, no matter how successful they are.

Although this fact of life is a tragic and callous disregard of human suffering, this not allowing competing therapies to emerge is especially true - as in the case of ozone - if the patents have all run out on the therapies, and if the therapies are now legally without owners and in the public domain.

In 1900 Nikola Tesla operated the "Tesla Ozone Company" in the U.S. Between 1958 and 1973, Dr. Robert Mayer and Dr. Edmund J. Ryan were granted 8 U.S. ozone patents, and European physicians have reported successfully using ozone for over 50 years to cure 33 major diseases. Quoting from the international MD's assembled at the May 1983 Sixth World Ozone Conference in Washington, D.C.:

Ozone eliminates... viruses and bacteria from blood, human and stored... Medical ozone is successfully used on AIDS, Herpes, Hepatitis, Mononucleosis, Cirrhosis of the liver, Gangrene, Cardiovascular Disease, Arteriosclerosis, High Cholesterol, Cancerous Tumours, Lymphomas, Leukemia... Highly effective on Rheumatoid and other Arthritis, Allergies of all types... Improves Multiple Sclerosis, ameliorates Alzheimer's Disease, Senility, and Parkinson's... Effective on Proctitis, Colitis,
Prostate, Candidiasis, Trichomoniasis, Cystitis; Externally, ozone is effective in treating Acne, bums, leg ulcers, open sores and wounds, Eczema, and fungus.

These results were from many different clinics and repeated year after year.

Despite all this, the U.S. media still barrages us with sad pleas for money constantly so our medical establishment can "Find a cure" for these diseases. Well, if myself, only one man with a computer and a telephone, can find all this documentation I really don't think the medical establishment with all its money and vast resources is looking very hard. Do you?

In 1976, the U.S. FDA (Food & Drug Administration) published the following:

Ozone is a toxic gas with no known medical uses.

Printing this statement in a publication paid for with our taxes is either a blatant attempt at suppression of truth from the highest levels, or one of the poorest research jobs ever done. It obviously favours competitive therapies, and ignores well over 50 years of safe and effective medical use of ozone on hundreds of thousands of humans backed up with thousands of medical references and clinical studies in Switzerland, Italy, France, Germany, Australia, New Zealand, Mexico and the U.S.

Let's compare medical ozone therapy with prescription drugs. In 1978 the FDA reported 1.5 million were hospitalised in the USA due to the side effects of medication. On the other hand, medical ozone has been legally used in clinics worldwide on a daily basis since the forties, and in Germany 644 ozone therapists were surveyed, and they reported 384,775 patients had received 5,579,238 ozone treatments. The side effect rate was only 0.0007% during 5.5 million dosages! Yet, each year approximately 140,000 people in the U.S die from prescription drug usage.

In 1979, we find one of the first U.S. cases of AIDS successfully being treated by medical ozone therapy. Dr. George Freibott from the International Association of Oxygen Therapy treated a Haitian living in Avon Park Florida who came to him with Kaposi's Sarcome mouth lesions. The Haitian was treated with medical ozone in rectal insufflations, ozone colonies, and direct ozone IV injection on and off for one and a half years, yet only once a week. All his external lesion were eventually healed. No one knew about AIDS back then, but later on Dr. Freibott realised what he had treated.

Then in 1983, Dr. Sweet, et al., published in Science, a peer reviewed scientific journal - his study showing "Ozone Selectively Inhibits Human Cancer Cell Growth."
This announcement shows ozone stops cancers, yet there was no response from mainstream medicine.

In 1986, Dr. Alexander Preuss in Stuttgart, FRG, published several case histories of AIDS patients treated with ozone who became completely healthy and went back to work. Also in 1986, on page 694 of the September 20th edition of the British Medical Journal, Lancet it was reported that the HIV virus transmits in saliva. In that same year the Medizone ozone company of New York applied for human testing approval of ozone.

Despite 50 years of use on humans and existing flawless and effective animal studies, the FDA still won't allow human testing, claiming ozone is "On clinical hold." What a great example of "newspeak." Sounds real officious, doesn't it? Like there's a problem, and our kindly government father will take care of everything, but it's a lie. No testing is being done while you might be next to die. Clinical hold just means "blackballed." Why would such a documented beneficial therapy be prevented from being looked at at all, while millions of innocents suffer - unless foul play is involved?

In 1987, Dr. Hans Neiper, an ozone using doctor in Hanover, FRG, in an interview by NHF videographer Jeff Harsh, talked about his colon cancer work. Although he says he can't divulge the name of his patients; "President Reagan is a very nice man." And, "You wouldn't believe how many FDA officials or relatives or acquaintances of FDA officials come to see me as patients in Hanover. You wouldn't believe this, or directors of the American Medical Association (AMA), or American Cancer Association, or the presidents of orthodox cancer institutes. That's the fact." Odd that it's good enough for, and sought after by the bigshots with enough money, but not allowed for the common people.

In 1988, NHF historian, Eustice Mullins wrote:

The Office of Technology Assessment of the U.S. Government states that 95% of the drugs on the market have not been proven to work."

In that year, I began travelling the world, lecturing and interviewing extensively upon the subject of ozone and oxygen therapies. I called all the major network news bureaus, including Public Radio, and reported ozone AIDS cures coming out of Europe. Not a single reporter or show called back for details. I wrote and sent documentation to all of the "household word" TV talk show hosts who make their living by acting "concerned" and I tried with all the "AIDS fundraising spokespeople", show business celebs, even sending proof of their home addresses, but as of yet not one single phone call or inquiry came back asking for more. The shining media lights are not the big names who plunk down millions or give benefits for "research," but the
many brave independent talk show hosts, show producers, and health expo promoters that have let me on to put the information out there for you. We owe them a debt of gratitude.

In 1989, the *Journal of the American Medical Association* reported a 72 year old woman who got AIDS from a blood transfusion. Her husband came down with the disease although they didn't have sex and only kissed.

That same year, George Perez, M.D., Dir. of Virology at Saint Michaels Medical Center, Newark, NJ, a major hospital, was commissioned to undertake a small 30 day ozone/AIDS study. Five AIDS patients underwent only two weeks of ozone treatments at the hospital. All had T-cell counts of below 200. At the start, one was so badly covered with herpes lesions he couldn't wear clothes. By the end of the two weeks his lesions were healed, and all the patients had been released from the hospital. No adverse side effects were reported. The T/4 (immune) cell counts remained stable or increased. Viral protein core (p24) counts decreased, indicating mass virus destruction. Four MD's reviewed the results and stated that ozone therapy is completely non-toxic, and should be adopted. Due to political pressure, the hospital tests were aborted.

Do you know anyone who got AIDS from a blood transfusion? In 1989, the American Red Cross turned down safe and effective ozone blood purification without allowing any discussion of it at a large meeting in their Washington DC headquarters. If ozone blood purification had been adopted, there would have been no-one from then on with AIDS or Hepatitis contracted from a transfusion. Odd that they would even discuss it.

In 1990, using special ozone equipment, HIV infected blood was converted from HIV+ to HIV- in less than 16 seconds, in vitro, by inventor Basil Wainwright. A Mr. James Pauls, Snr., (HIV+) was treated, and in only eight treatments, a 220% improvement in his T/4 cell response was achieved. FDA and Florida officials quickly moved in and the successful study was aborted mid-stream. Wainwright was jailed. Florida charged him with "Practicing Medicine Without A License," and the Federal Government charged him with "Fraud." Strangely, during the raid on the Wainwright home, police specifically only looked for and seized all his innovative technical papers, instead of any evidence of the crimes he was charged with. His history making mass life saving ozone delivery equipment was in the final stages of development at the time of the police raid.

The ex-wife of the editor of a large Florida newspaper got in a business dispute with Mr. Wainwright, so the newspaper manager ordered his intentionally biased reporters to almost weekly print extremely negative articles about this inventor and ozone in the hopes of turning the public against him and it. Former patients show up in the
newspaper offices demanding justice for ozone and are ignored. For the sake of a personal vendetta against one person these newspaper people are personally responsible for the continuing suffering of thousands of people who could possible have gotten help if they weren't scaring people away from Ozone, odd they are afraid to fairly investigate ozone while 126,000 U.S. citizens have died from AIDS, and 11+ million now have the death sentence of the disease.

I interviewed Mr. Wainwright who stated that, in his experienced opinion, although secondary in effectiveness to IV work, rectal insufflation would be most effective by applying the humidified ozone gas into an empty colon four times a day at a 27 mcg/ml (2% ozone/98% oxygen by weight) concentration, and in a volume of between 1/4 and 1/2 litre, depending upon patient colon size (@ 1\2 Lpm. flow rate) for 1 minute during each application.

In 1990, Dr. Michael Carpendale M.D., at the Veteran's Administration Hospital, San Francisco, and Joel Freeberg M.D., from U.C. Medical School in San Francisco, and the Bay Medical Research Foundation, privately published a medical paper entitled "Ozone Inactive HIV At Noncytotoxic Concentrations," stating:

HIV viral core levels (p24) were reduced in all ozone treated cultures compared to controls."

Finally, three years after the study had been concluded and had been under submission to them, a U.S. peer reviewed medical journal reported on ozone. The October 1st issue of the Journal of the American Society of Hematology published the ozone/HIV work of MD's Wells, Latino, Galvachin, & Poiesz. Their work entitled "Inactivation Of HIV Type 1 by Ozone In Vitro" describes the research by oncologist Dr. Bernard Poiesz from the Syracuse State University of New York Research Hospital. They performed 15 replications of an ozone study that interfaced ozone with HIV infected factor 8 blood. The ozone completely removed the HIV virus from the blood 97 to 100% of the time, yet was non-toxic to normal healthy blood components. I had announced this study back in 1988, in my book Oxygen Therapies.

THINK THIS OVER. If ozone has hereby been proven in a peer reviewed journal to work so safely and effectively, registering a 97 -100% kill rate on the most virulent recombinant virus known to man, how much more effective is it in the treatment of ALL the other lesser viruses, thereby negating the need for all the allopathic vaccines and antibiotics for polio, chicken pox, mumps, swine flu, colds, and legionsnaire's disease, etc.? Is this why FDA officials, many of which are financially connected with the pharmaceutical companies, have declared ozone to be on "clinical hold" and dare not allow U.S. human trials? What about human suffering? What about the majority of misguided people that believe the story line in the old movies and trust that the
politicians are all humanitarians and would never do such a terrible thing as hold an AIDS cure back from little babies for profit?

Mr. James Caplan at CAPMED, a medical supply distributor in Philadelphia, sent all 150 of the top U.S. AIDS researchers copies of the above Journal of Hematology report showing that ozone, when used as a viricide, eliminated HIV. He invited questions or responses. Not one response was ever received from any of these "top" researchers using our tax money to "find a cure." Perhaps they are only looking for more funding instead. One of the original AIDS experts recently stated that all he could see as the result of all the millions of dollars being spent on AIDS research was that as he looks out in the parking lot, all his colleagues are now driving more expensive cars.

1991, Dr. Robert Mayer, who has been using ozone since the forties, had late stage AIDS patients in his research centre clinical ozone study who only had a count of 5 T-cells. Normal count is 600-1500+. Below 200 is generally assumed fatal. Although they had a count of only 5 T-cells, because of the applied three times a week ozone therapy, his patients are stabilising and returning to complete health. By 1992, Dr. Mayer was reporting a patient going HIV negative, confirmed by 3 Western Blot retests, and 3 ELISA retests.

In 1991, I interviewed a brave humanitarian. Dr. J. B. MD, ret., (requests privacy) in a southern state who came forward with his clinical combination peroxide bath/ozone/hyperbaric oxygen/vitamin/mineral therapy results. During 2 years of using the therapy, all his scientifically valid testing was performed at a major hospital and within independent labs. He brought over 238 HIV POSITIVE patients to HIV NEGATIVE, each within 60 Days. Everybody thinks if you cure AIDS you're instantly rich and famous. Wrong! His reward? An armed S.W.A.T. team invaded his house and office, seized his ozone machine, patient records and computer. This MD subsequently gave up medicine, and now grows tomatoes. Due to ongoing political problems, his former patients and the hospital and the testing labs are also hesitant to come forward due to their fear of political reprisals.

I wrote in my column in the Volume 2, Number 2 issue of The Family News, -

Unfortunately, regulatory agencies, U.S. health professionals, and news media reporters have been repeatedly lied to with the "ozone is worthless" gambit by agents of those who fund political campaigns and appoint officials to keep ozone out of circulation because it will negatively impact prescription drug sales. Well meaning FDA and state medical agents and police consequently erroneously think they are doing a good thing for sick people when they attack medical ozone and its
practitioners. Unfortunately, the end result of what they are actually doing is different from what they intended."

In 1991, another physician (in New York) came forward to me with his clinical ozone results. He wants no press. One of his staff members who was in the clinic every day and therefore could get the treatments every day was brought from HIV positive to HIV negative. His T-cells went from 700 down to 150 as ozone killed off the diseased cells, and then back up to 1,100 as the body replaced then with fresh new healthy cells. Another M.D., in a southern state who I interviewed stated he and a colleague collectively brought 9 people to HIV NEGATIVE using a combination therapy that included ozone and DMSO. Neither will talk publicly. One had his house burned down and left the country.

In April of 1992, I interviewed Dr. Eric Satori M.D., and one of his cured AIDS patients. Dr. Satori told me the results he was getting with his own brand of direct IV ozone therapy which also includes mental conditioning. To remove the reason the patient gets diseased." So far he has reported over 50 AIDS patients becoming virus free by combining subclavian heavy ozone treatments with vitamin, mineral, thymus, and homeopathic supplements. He reports he commonly gets results in only 12 days because he has been refining his therapy during 10 years of clinical research.

Everyone, including you, should check with a competent health care practitioner before using any medical therapy. But this time, first ask him "Have you had any actual hands-on training or clinical experience in any of the many ozone medical therapies?"

If your doctor is from the United States, the honest answer is always "No". So, how would your expert ever stick his liability laden neck out and approve of it? He should simply say, "I have no knowledge of it" But unfortunately his ego might reveal itself if he says "Well, I never heard of it, so it must be quackery," or, "Ozone is a poisonous gas, and anyone injecting it will be killed."

All the detractors of ozone claim to be "experts", yet they have had no training in any oxidative modality, and there are no studies using correct accepted protocols to prove ozone doesn't work, so it's a mystery how they get away with substituting uneducated opinion for scientific fact in the newspapers.

The establishment "experts" all claim to be "searching for a cure", so why are they so afraid to try, let alone even discuss ozone? Especially with its over 50 years of safe, effective usage on hundreds of thousands of patients. The "old" fights the "new" at every historical pivot point. REMEMBER. Chiropractic, Psychiatry, and a surgeon
washing his hands before he operates on someone, were **ALL** once labelled as "quackery".

Millions and billions of dollars are being made on treating and researching (not curing) the AIDS plague. As of late 1991, the manufacturer of AZT had made $315 million on sales of it. If humanity continues to choose short term greed or unquestioning reliance upon authority figures as a lifestyle, well never be allowed to use medical ozone.

Unless humanity as a whole - and it just might emerge from the direction of the littlest of the "little guys" - finally wakes up and forces the societal controllers to let ozone out of the bag, then there will be only widespread sickness and death in **every** family. Humanity's sins of letting others take responsibility for their own lives will come to visit and live with them. Then where will they drive their shiny new car every day? Why, to the AIDS ward and the cemetery.

For now, the oxygen wars continue unabated. The shameful politics and non-responses of our medical system are so bad that even the most unaware are hard pressed to believe we are simply facing a whole bunch of coincidental ignorance and errors. Government, media and medical bigwigs as a whole continue to strangely ignore openly disparage the over fifty year history of million of applications of safe, non-toxic ozone therapy, and, in fact continue to actively use S.W.A.T. teams and jail terms to suppress any further medical ozone research by MDs. People continue to suffer tragically and die needlessly, while many who love their families have their hearts slowly broken watching their significant other waste away. Rumours circulate, and the TV talk shows feature stories about AIDS being some form of planned racial or impersonal genocide to reduce the population.

Due to outright hostility, suppression, or at least non-response by our authorities, desperate people who are facing no alternative to their eventual death from AIDS, cancer or other killers are being forced into the unregulated "ozone underground". In any medical underground, where a therapy is not officially sanctioned or publicly known, mixed in along with the few shining humanitarians will always be con artist, scams, repression, and yellow journalism. You and your family deserve better than this.

According to the U.S. Government, by the year 2000, one out of one will have cancer at some time in their lives. Dr. Robert Strecker estimates 20 million now have AIDS, and that the number doubles every two years, maximum. This means by the year 2000, 320 million people are projected to have AIDS.
It's obvious as the bodies fall around us that the old ways don't work. How long can you afford to continue siding with the old ways before it's your turn at the undertakers cart? Ozone is the only proven potential saviour of humanity with 50 years of safe usage backing it up. It's your choice, do something about this, or continue to ignore the problem until you or someone you love slowly suffers and dies tragically from one of these diseases.

Unless you act, before long I won't see much hope left for anybody because EVERYBODY might be in the hospital." There will be no police left to seize ozone machines or "expert" doctors or newsmen left to tell us ozone is 'worthless'. The authority figures will already be dead or dying from the disease. Wild speculation? This has already happened in countless African towns. We have to stop buying into the illusion that 'authority' will save us. This a major pan of humanity's great test foretold down through the ages. It is up to you, right now. You are not alone. Help surrounds you. Authority or community? Choose wisely.

Why haven't you heard all of this before? I can't answer for you. It's not from want of trying to reach you for years. Others have tried, and I've personally been on over 700 TV or radio stations, or speaking platforms. To be heard in this society, no matter how much truth you can deliver, you need a huge political machine that has conditioned everyone to automatically listen to it as authority. We who know the truth about ozone have no such political or media machine. The special interest machines that do exist have too much invested in their own momentum. That is why we need your help. We aren't getting rich. We only want to allow you the opportunity to save yourself from suffering at the hands of ignorance and greed.

If we join together we will live. We can still turn this thing around.

(This is a condensed part of a larger chronology found in Ed McCabe's soon to be released second book. His first work, the self-published bestseller Oxygen Therapies, has sold over 40,000 copies by word of mouth alone. To obtain a copy of Oxygen Therapies, contact the Sydney Esoteric Bookshop, 475 Elizabeth St, Surry Hills NSW 2020. Phone: 02 319 4224 - see advert inside front cover this issue).
Ed McCabe & Oxygen Therapies in Australia

THE MEDIA COVER-UP!

Many readers will know that Nexus Magazine sponsored and organised the recent visit to Australia, of the internationally-known researcher, Ed McCabe.

Early on in the piece, I had asked Ed to bring with him some medical records of people who had been cured of AIDS, i.e., had turned HIV- after being HIV+.

Guaranteed of this evidence, I proceeded to contact the main media outlets in NSW, Victoria and Queensland. Their silence was deafening! So deafening, that I thought that maybe their fax machines were not working properly to receive my press release.

One particular current affairs programme (the bearded one) contacted us and requested that they would do a story on Ed McCabe, as long as they could be the first TV programme with him on air. I told the researcher that ABC News in Queensland had already shown some interest (only after I earbashed a reporter for some time to check it out for herself).

The "bearded one's' researcher wanted to get an AIDS "expert" to comment on what Ed McCabe was saying. You can guess the rest. I therefore insisted on a Debate format. Wow, was this researcher annoyed at that suggestion! It would mean that the so-called expert would have to become informed on Oxygen Therapies so as not to lose face in a debate. You guessed the rest, they all backed off.

I didn't give up. I spent hundreds of dollars on MediaNet. This a you-beaut electronic information service, which means when I send MediaNet a press release it gets shoved up onto computer screens of every TV, radio and newspaper network that I care to nominate.

The only response I got from this exercise was several small ABC radio programmes wanting to do an interview, usually late at night when nobody listens.

I begged and cajoled the 'bearded one's' researcher to contact Dr Boyce's clinic in the USA, and do a story on the hundreds of ex-HIV+ patients who are now HIV-. He wasn't interested. Nor was any other news director in the country.
Now usually when someone claims to have cured AIDS, they get checked out and then ridiculed. Not the case with Oxygen Therapies. There is so much medical evidence to support oxygen therapies that no media dared cover it.

During Ed's last visit to Australia a couple of years ago, a reporter from a well-known Melbourne newspaper stood up in question time, and told the audience that he had been 'told' to do 'a hatchet job' on Ed McCabe. After listening to Ed speak, he promised to write the truth about oxygen therapies. He also said that if he did this, his newspaper would not run the story. And they didn't.

The AIDS Council of NSW decided to attack the validity of oxygen therapies on the basis that it was mentioned in a magazine that also runs stories on UFOs. They did not bother to check up on the clinics which have successfully used oxygen therapies to treat AIDS, cancer and many other diseases.

Thankfully, there is a growing number of doctors and therapists who have seen the miraculous results of oxygen therapies for themselves. Many of these are beginning to use different forms of oxygen therapies in their practices today.

I have already been contacted by people who have gone from HIV+ to HIV- in Australia, as a result of oxygen therapies.

Unfortunately most doctors work on the concept of "if it was any good I would have already heard about it".

I urge readers to encourage doctors and AIDS organisations to contact those clinics who have successfully treated AIDS and cancer, and break through this murderous cover-up.

The lecture tour of Ed McCabe was a success. The talks were generally well attended, and about three thousand people became aware of oxygen therapies.

I would like to thank Brian Wilshire of Radio 2GB, who gave 2 hours of air time to Ed McCabe while in Sydney. Brian, like me, has seen for himself the amazing results obtained by using oxygen therapies.

------------

**Inactivation of human immunodeficiency virus type 1 by ozone in vitro**

1. KH Wells,
Author Affiliations

1. Department of Medicine, SUNY Health Science Center, Syracuse 13210.

Abstract

A device was designed to deliver a constant source of given concentrations of ozone to fluids containing human immunodeficiency virus type 1 (HIV-1). Ozone was found to inactivate HIV-1 virions 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.

The use of ozone-treated blood in the therapy of HIV infection and immune disease: a pilot study of safety and efficacy

Garber, Gary E.; Cameron, D. William; Hawley-Foss, Nanci; Greenway, Donald; Shannon, Michael E.

The use of ozone therapy is reported to be effective in a variety of viral illnesses, including HIV disease. We performed a phase I study of ozone blood treatments in 10 patients in whom no significant toxicity was observed. Three patients with moderate immunodeficiency showed improvement in surrogate markers of HIV-associated immune disease. A phase II controlled and randomized double-blinded study was initiated comparing reinjection of ozone-treated blood, and reinjection of unprocessed blood for 8 weeks, followed by a 4-week observation period. Ozone had no significant effect on hematologic, biochemical or clinical toxicity when compared with placebo. CD4 cell count, interleukin-2, [gamma]-interferon, [beta]2-microglobulin, neopterin and p24 antigen were also unaffected by both treatment arms. In conclusion, ozone therapy does not enhance parameters of immune activation nor does it diminish measureable p24 antigen in HIV-infected individuals.

Oxygenation Therapy: Unproven Treatments For Cancer And AIDS

Submit by Natural Solutio... on Mon, 2007-03-05 12:47 in

Oxygen Therapy
By Saul Green, Ph.D.
The cornerstone of oxygenation therapy is the presumption that human disease, including cancer, is caused by a deficit of tissue oxygen. According to proponents, hypoxia results in anaerobic fermentation, a loss of capacity for oxidative detoxification of toxins and metabolic products, and failure of immune killing of invading bacteria and viruses. To restore ability to carry out these functions, oxygenation promoters propose using chemicals they claim will release oxygen in tissue or act as germicides in vivo. Some of the claims are based on the concepts of William F. Koch (1885-1962) [1] and Otto Warburg (1883-1970) [2].

History of Oxygen Therapies

William F. Koch, a Detroit physician, theorized in 1919 that cancer was caused by a metabolic defect brought on by a single toxin produced by an injury or irritation. He proposed that toxins produced during metabolism and by bacteria were normally burned off during oxidation of carbohydrates. If the toxins persisted, they damaged the toxin-burning system and converted a normally present "harmless germ" into a virulent cancer-causing one. To cure cancer, Koch invented an "antitoxin to cancer" which he said was a mixture of an oxidizing catalyst he called glyoxyliide (O=C=C=O) and a chemical called l:4 parabenzoquinone. A one-million-fold dilution [3] of this solution was given to patients by injection every six months, to "stimulate all the body's oxidation reactions to cure the cancer and a host of other diseases." Koch never revealed the process for the manufacture of glyoxyliide, nor did he show it to exist.

Does Koch's glyoxyliide exist? The molecule glyoxyliide has been a subject of investigation by chemists including H. Staudinger in 1913 [4] to Berson in 1986 [5]. Recently Sulzle [6] reviewed the literature and considered the theoretical possibilities for the existence of a compound like glyoxyliide. He found that all efforts to prepare, isolate, or chemically identify this compound failed. His studies on the theoretical physical chemistry of glyoxyliide showed that the substance described by Koch cannot exist in nature. This, along with Jenssen's failure to find anything in Koch's "medicine" [3], confirms the conclusion that the glyoxyliide which Koch claims to have invented did not exist.

Otto Warburg professed that the cancer problem could be solved if one could identify a biochemical difference between the energy-producing systems of normal cells (controlled growth) and cancer cells (uncontrolled growth.) His research with tissue slices [7] led to the discovery of oxygen-transferring enzymes in cellular respiration, and for this he won a Nobel Prize (1931). In 1944 he won a second Nobel Prize for identifying the enzymes that transfer hydrogen in metabolism [8]. But his research never showed that oxygen use by normal and cancer cells was different. What he did find was that cancer cells produced lactate from glucose in the presence of oxygen whereas normal cells only produced lactate from glucose in the absence of oxygen. This observation led him to conclude that energy metabolism in cancer cells was defective [9].

By 1960, research had identified nearly all energy-producing metabolic pathways in both normal and cancer cells and showed that energy-producing systems in normal cells were the same as those found in cancer cells [10]. Despite this, Warburg insisted until his death in 1970 that the cause of cancer was "inferior" energy of anaerobic metabolism [9].

Oxygenation proponents follow the lines of Koch and of Warburg. They claim that toxins that adulterate processed foods, the environment, and medications damage the oxidative metabolism of normal cells which then regress into anaerobic metabolism in which an inferior energy is produced, resulting in cancer. Normal functions such as digestion, elimination, and immune function are also claimed to benefit from treatment with pure, all-natural, poison-free nutrients, vitamin and mineral supplements, and oxygen-yielding substances that restore and replenish the oxygen needed by tissues for burning off toxins. Hydrogen peroxide and ozone are the substances recommended. [11-13]

Hydrogen Peroxide

Hydrogen peroxide, H2O2 [14], was discovered in 1818. It is present in nature in trace amounts. Hydrogen peroxide is unstable, it decomposes violently when in direct contact with rough surfaces or traces of organic or particulate matter. Light, agitation, heating, or chemical substances like carbonates, proteins, chlorides, charcoal, and iron all accelerate the rate of hydrogen peroxide decomposition in solution. One volume of 30% hydrogen peroxide solution will yield 100 volumes of oxygen gas when it decomposes. At 30-35 %, so-called "food grade" hydrogen peroxide is caustic, producing severe skin burns. It can start a fire if allowed to dry on a combustible surface.

Among the earliest proponents of the use of hydrogen peroxide as a treatment for degenerative diseases like cancer was Father Richard Willhelm, [15]. In the 1940’s, while working with a microbiologist at the Mayo Clinic, he “learned that bacteria can grow at the joints, cause inflammatory arthritis, give off calcium waste that cements bones together, lodge in the liver and kidney and form stones, leave hard deposits on walls of arteries, short circuit the energy in the brain, cut off the blood supply to cells and cause a loss of oxidative metabolism.” [15] From Koch and Warburg’s work he heard that “cancer doesn’t like oxygen,” and because he knew that hydrogen peroxide gave off oxygen when it decomposed, he concluded that it should be used to treat diseases which were the result of "inadequate oxygen metabolism." Willhelm referred to hydrogen peroxide as "God's given immune system." [15]
Proponents [11,12] also suggested that patients treat themselves at home by drinking hydrogen peroxide, using it for brushing their teeth, enemas, high colonicics, or douches, soaking in a bath with it, or massaging it into the skin. Instructions for preparing the peroxide to be drunk are given in newsletters from "health food" companies that sell what is called "food grade" hydrogen peroxide [18]. One proponent states [18] that it takes one week to "clean out" both the "good and bad" flora in the stomach: "When hydrogen peroxide comes in contact with virus and streptococcus (the bad flora) in your stomach, it liberates free oxygen. If your stomach feels queasy after you drink the (peroxide) solution, the peroxide is seeking out and destroying viruses and streptococci. The normal flora, the good ones, can then be replaced by eating plain yogurt and health food supplements that contain acidophilus, bifidus and bulgaricus."

Proponents suggest that hydrogen peroxide can also be administered by soaking for 30 minutes each day in half a bathtub of water containing a pint of 35% "food grade" peroxide, by spraying a 3% solution of "food grade" hydrogen peroxide on ones body, massaging it into the skin three times a day, and by rubbing a gel containing 35% "food grade" hydrogen peroxide, glycerin, and Aloe Vera into the skin [18]. Wilhelm describes a "do it yourself" recipe for making hydrogen peroxide pills for those who are unable to drink it. It calls for mixing baking soda and food grade 35% hydrogen peroxide, allowing the mixture to dry overnight and placing the pulverized powder into capsules. The patient takes three pills per day [11].

Another proponent proposes intravenous infusion of hydrogen peroxide as oxidative therapy [13]. "There is no distinct class of patients that are [sic] best suited for intravenous hydrogen peroxide therapy because of the wide variety of pathological conditions that improve from oxidative detoxification, the oxygenation of hypoxic tissues and the stimulation of the immune system that an intravenous infusion of hydrogen peroxide induces. Specific benefits are seen in patients with peripherovascular, cerebrovascular and cardiovascular diseases, arrhythmias, emphysema, asthma, cancer, multiple sclerosis, rheumatoid arthritis, Parkinson's disease, migraine, cluster and vascular headaches, allergies, and pain. There may even be a reversal of atherosclerosis due to the action of the peroxide on the lipid material in blood vessel walls" [13,19].

In directions for injecting hydrogen peroxide intravenously one is instructed to prepare 100 ml aliquots of sterile 15% hydrogen peroxide infusion solution made from 30% "food grade" hydrogen peroxide and sterile water to be stored frozen in sealed vials. For injection, the stock is diluted with 5% dextrose to give the final 0.075 % product [19].

Ozone

Ozone was discovered and named by Schonbein in 1839. It is formed when an electric spark or ultra-violet (UV) light splits an oxygen molecule into two highly reactive oxygen atoms. Each of these combines with intact oxygen to form the tri-atomic ozone, O₃. Ozone is one of the most powerful natural oxidizing agents known because of the highly reactive free radicals it generates on decomposition. These free radicals can destroy many natural biological substances [20]. The discovery of inert plastics made oozes medical applications possible. In the late 1930's, German doctors began to use it in experiments on patients who had a variety of infections and wounds [20-22]. Ozone gas might be bubbled directly into the patients blood, it might be bubbled into blood taken from the patient after which the blood would be re-infused, it might be bubbled into a solution to be used in an enema, colonic irrigation, or douche, or it might be pumped directly into the rectum. Except for situations in which ozone was used topically, the determination of effectiveness was depicted by patient testimonials.

When ozone is introduced into blood, it reacts with water in red cells producing hydrogen peroxide. This aqueous decomposition of ozone also produces bactericidal and membrane-damaging free radicals [21]. Ozone used for treatment [24] is prepared by creating an electric spark in a chamber of pure oxygen. The final mixture contains between 0.1 and 5.0% ozone, concentrations that are equivalent to from 1.0 ppm to 50 ppm ozone in pure oxygen.

Ozone generated this way has a half life of 45 minutes at room temperature, and under ideal conditions of sterility, dryness, and cleanliness, it must be prepared on site each time it is used. A two-hour exposure to 1200 ppm ozone is needed to kill microorganisms on open surfaces and in water [25]. Concentrations of ozone recommended are: for topical treatment of superficial wounds, 70 to 100 ppm; for slow-healing ulcers, between 40 and 70 ppm; and when oxygenating effects are needed to treat diseases associated with hypoxia, from 1 to 40 ppm [26].
Ozone has been proposed as a treatment for AIDS [24,27-29]. "Results of experiments indicate that medical ozone has the ability to inactivate extra-cellular HIV-1 in serum-supplemented tissue culture fluids and to inhibit the growth of HIV-1 at concentrations that are benign to cells in tissue culture." However, HIV is susceptible to inactivation by many relatively innocuous compounds, and claims for benefiting AIDS patients are unconfirmed [26,30,31].

In 1993 testimony before Senator Harkin’s Subcommittee of the Senate Appropriations Committee, Ed McCabe, a promoter of ozone, stated, "644 German ozone therapists successfully treated 384,775 patients with 5,579,238 doses of ozone with no ill effects. Thousands of published medical papers contain proof of ozone’s effectiveness in vivo. Numerous US physicians have converted hundreds of AIDS patients from HIV sero-positive to HIV sero-negative status using ozone. Help is available to AIDS patients right now but the medical establishment is ignoring it." [31] No evidence for the claims exist in reliable scientific literature.

Critique

Does anaerobic metabolism cause cancer?

In a 1961 monograph [10], Aisenberg reviewed and analyzed the subject of energy metabolism in normal and tumor tissues. He concluded that most carcinogens are not respiratory poisons; most respiratory poisons are not carcinogens; oxygen neither prevents nor inhibits cancer growth; tumor cells grow optimally in tissue culture dishes in atmosphere containing 20% oxygen; tumors grow rapidly in tissues that are well supplied with oxygenated blood; absence of oxygen does not stimulate tumor growth in vitro or in vivo; agents effective against cancer interfere with DNA synthesis, not with aerobic metabolism; tumors do not get a significant amount of their energy from anaerobic metabolism; tumors can and do produce energy by an oxygen-driven metabolism of fats and carbohydrates.

Since the mid 1960s, information amassed has identified cancer initiation, promotion, and progression. Alteration of genetic regulation through DNA damage, oncogene activation, and inhibitor dysregulation give rise to abnormally proliferating cancer cells. There is no evidence of "poisoning" in the respiratory enzyme systems of tumor tissues. Although Warburg discovered some differences in metabolism between normal and cancer cells, research did not bear out what he considered to be the "primary cause of cancer," i.e., the replacement of respiration by fermentation.[7].

How much of an effect can "oxidative therapy" have in treatment of disease?

The transfer of atmospheric oxygen in the lungs to tissues involves oxygen transport from alveoli to hemoglobin in red cells to tissue cells for use in oxidative metabolism. When oxygen is used as a drug, its pharmacological properties must be defined so that the hazards that attend its use can be monitored [32]. Under normal circumstances, each breath of air taken at sea level has a volume of about 500ml. Slightly less than 20% of this is oxygen. The pressure of air at sea level is 760 mm of mercury (Hg), and the partial pressure of oxygen is about 160 mm Hg. When inspired air reaches the alveoli, it mixes with the gases already present. The partial pressure of oxygen in the alveolar sac is about 100 mm of Hg. Since the partial pressure of oxygen in the pulmonary arteries in the alveolar membranes is about 40 mm of Hg, the oxygen in the alveoli diffuses across the alveolar membrane and into the venous blood. There it is taken up by red cell hemoglobin [32].

Under normal conditions, hemoglobin in blood leaving the lungs is 98% saturated with oxygen. The hemoglobin in one liter of blood can carry about 200 ml of oxygen, and about 50 ml of this is extracted each time it passes through tissue capillaries. The metabolism of a normal 60 kg adult requires delivery of between 200 and 250 ml of oxygen each minute [32]. Since the amount of hydrogen peroxide that is infused into a patient during one "oxidative therapy" session, yields a total of 100 ml of oxygen per day, the treatment can make no significant contribution ones oxygen requirements [33].

Is hydrogen peroxide bactericidal and viricidal?

Phagocytosis is the principal mechanism for the removal of pathological bacteria and fungi [34]. Activated phagocytic cells are drawn to the site of infection, attach to the infectious organisms, and ingest them. The killing of the organisms takes place inside the phagocytic cell. Enzymes generate superoxide free radicals which are fused by superoxide dismutase to produce hydrogen peroxide. Hydrogen peroxide oxidizes cellular chloride in the cell to the killing chloride free radical.

Proponents of oxidative therapy propose that hydrogen peroxide kills bacteria because of their low levels of peroxide-destroying enzymes. But there is no evidence of oxygen intolerance in anaerobic organisms. Although proponents allude to a variety of antibacterial, antiviral, and anti-parasitic actions of hydrogen peroxide [13], they admit that no peroxide-related germicidal activity is found when hydrogen peroxide is infused into patients infected with a variety of organisms [19]. The absence of hydrogen peroxide bactericidal activity has been confirmed by independent investigators [35]. For instance, there is no bactericidal when hydrogen peroxide is infused into blood of rabbits infected with peroxide-sensitive E. coli.
Moreover, increasing the concentration of peroxide ex-vivo in rabbit or human blood containing E.coli produced no evidence of bactericidal activity. Lack of effect of high concentrations of hydrogen peroxide was directly related to the presence of the peroxide-destroying enzyme, catalase. To have any effect, high concentrations of hydrogen peroxide would have to be in contact with the bacteria for significant periods of time. But the large amounts of hydrogen peroxide-destroying enzymes normally present in the blood makes it impossible for peroxide to exist in blood for more than a few seconds. One must conclude that hydrogen peroxide introduced into the blood stream by injection or infusion cannot act as a germicide in human blood.

Hydrogen peroxide does participate in the bactericidal processes within activated phagocyte cells. But when it escapes from the cells into the adjacent extra-cellular space during the inflammatory process, it becomes a major contributor to the tissue damage seen in lung disease, malignancies, and hemolysis. The presence of pharmacological concentrations of hydrogen peroxide in the blood is clearly a double-edged sword which can easily cause as much harm as it can cause good [36].

Can infused hydrogen peroxide raise blood oxygen levels?

Hemoglobin in red cells of arterial blood gives up about 25% of its oxygen when it passes through the tissues, so the hemoglobin of the venous blood leaving the tissues is oxygen-poor. When hydrogen peroxide is injected into venous blood, the oxygen released by the action of catalase is taken up by oxygen-poor hemoglobin. When this venous blood reaches the lungs, it is carrying more oxygenated-hemoglobin than normal. Less oxygen from inspired air is required to saturate it. When arterial blood leaves the lungs it is almost fully (98%) saturated with oxygen and so it becomes impossible for the intravenous infusion of hydrogen peroxide advocated by “oxygenation” proponents to further increase the amount of oxygen carried to the tissues.

The infusion of hydrogen peroxide into arterial blood is a completely different situation. A theoretical model [37] predicts the effects of an infusion of a hydrogen peroxide solution into arterial blood. Hemoglobin in arterial blood is already saturated with oxygen, so the oxygen released from hydrogen peroxide would not be taken up by hemoglobin. Therefore it would go into plasma. But the process of solution is slow, so undissolved oxygen gas could linger in the blood as bubbles for as long as 30 minutes. In the model, Johnson used 0.12% peroxide to produce a final level of 0.006 volumes peroxide per 100 ml in rabbit blood. Although this amount of hydrogen peroxide released 3.0 ml of oxygen gas in every 100 ml of arterial blood, most of the gas could be taken up by the small amount of unsaturated hemoglobin (2%) in the arterial blood. If however, the hydrogen peroxide content of the blood was doubled, 6.0 ml of oxygen gas would be generated per 100 ml of blood, and this could not be handled by available hemoglobin. Undissolved arterial oxygen would then create gas embolism. Consistent with this prediction for peroxide levels higher than 0.006 volumes percent, Johnson found that at 0.01 volumes 0.12% peroxide, oxygen gas embolism resulted in complete shut down of capillary blood flow in the treated rabbits. [37]

Can oxygen dissolved in the plasma support metabolic needs?

When little or no unsaturated hemoglobin is present, 100 ml of plasma at 100 mm of ambient (alveolar) oxygen pressure can hold 0.3 ml of oxygen in simple solution. This means that the total amount of oxygen that could be dissolved in all of the plasma in a 60 kg adult, would be about 20 ml. Since there is no physiologic mechanism by which oxygen dissolved in the plasma can be extracted, and since tissues require 200 to 250 ml of oxygen per minute [28], the 20 ml of oxygen dissolved in plasma can be of little use in relieving tissue hypoxia or for supporting aerobic energy metabolism [14,32,33].

Is ingestion or infusion of hydrogen peroxide safe?

At the end of his paper on how to infuse hydrogen peroxide intravenously, Farr cautions that the capacity of the lungs to allow gas embolism diffusion is limited. A continuous infusion of peroxide that results in 0.01 volume per 100 ml blood can cause an arterial gas embolism and irreversible lung damage [19]. That such adverse reactions do occur is clear from reports in the medical literature. These incidents include: oxygen gas emboli, necrosis and gangrene following peroxide enemas or colonic lavage [37-41]; emphysema following peroxide mouth wash or gargle [42]; and ulcerative colitis, gas embolism, and emphysema following deep wound irrigation [43-45]. Peroxide ingestion results in respiratory arrest, seizures, gas embolism in the portal circulation, shock, and acute hemolysis. [46-48] Stroke and multiple cerebral infarcts [49] and venous embolism follow irrigation of anal fistula and irrigation of surgical wounds [20]. In contrast, the literature published by proponents of oxygenation therapy contain no report of adverse clinical incidents resulting from ingestion or infusion of hydrogen peroxide.

Is ozone effective against HIV?

In 1991, Wells et al [25] reported that gaseous ozone inactivated cell-free HIV-1 in cell-free culture medium. Using escalating concentrations of ozone, they showed that a 1200 ppm dose delivered into the solution for two hours, reduced the number of infectious viruses by about 1011 and reduced detectable virions about 85%. However, there was also a significant reduction in infectivity after virus exposure to nitrogen. Other factors influencing the rate and degree of inactivation of HIV-1 by ozone were protein and plasma components in the culture medium. (HIV is known to be inactivated by a host of relatively inactive substances.)
While ozone might be useful in rendering commercial blood products free of infectious organisms, more extensive analyses of the HIV-1 life cycle was needed before ozone’s usefulness as an in vivo anti-retroviral agent could be defined. Poiesz, Wells’ co-author, wrote, “No further in vitro work has been done and to my knowledge no in vivo work has been done.” [50]

Carpendale and Freeberg [28] studied the effect of 4 ppm ozone on HIV-1 suspensions in vitro. Ozone was rapidly degraded by serum components in the culture medium. They theorized that the virus inactivation must have been caused by unknown ozone reaction products. Reaction products of ozone and fatty acids called ozonides have been studied, and some are known to mimic the cellular effects of ozone [51,52]. But Carpendale et al did not report on the effects of ozonides on HIV in suspension.

Does autohemotherapy kill or inactivate HIV-1?

Ozone has been used to treat infections for nearly 50 years. For the most part the treatments were based on impressions from uncontrolled anecdotal clinical experiences reported in German newspapers, magazines, and proponent newsletters. With the coming of the AIDS pandemic in the 1980s, some physicians offered ozone treatment. Organizations began promoting the medical use of ozone at international meetings. The majority of the papers presented at these meetings referred to the germicidal activity of high concentrations of ozone in vitro, but no convincing evidence was presented that autohemotherapy with ozone at concentrations ranging from 0.1 to 5.0 ppm had an effect against HIV in AIDS patients.

In 1991, Garber et al [53] carried out the first well controlled clinical study of auto-hemotherapy for AIDS. These investigators first tested for safety in a Phase I trial and found no toxicity after 12 weeks of treatment. In the Phase II trial which followed, AIDS patients were entered into a randomized, placebo-controlled, double-blinded program designed to compare the effects of unprocessed or ozone-enriched blood infused intermittently over a period of 8 weeks. All patients had CD-4 T-cell counts between 200-400 cells/ul. The results showed that ozonated blood produced no significant hematologic, biochemical, or clinical toxicological effects when compared with controls. CD-4 T-cell counts, interleukin 2, gamma interferon, beta-2 microglobulin, neopterin, and p-24 antigen were unaltered. These results have been replicated and confirmed by independent investigators [54].

In May 1995, the 12th World Congress of the International Ozone Association convened in Lille, France. Of the 42 papers presented, none addressed the effectiveness of autohemotherapy in the treatment of AIDS [55]. In August, 1995, Prof. V. Bocci, one of the organizers of that meeting, wrote:

My postion is based on theoretical grounds that ozone autohemotherapy may be useful only because there is no valid alternative. From a practical point of view I have great difficulty organizing clinical trials. I have frequently expressed my deep concern over the irresponsible, uncontrolled, and unscrupulous information that is being spread around. You must understand that I am not responsible for what is being done or said by people in the U.S. Personally, my interest is in investigating whether properly performed autohemotherapy can be useful for the treatment of chronic viral diseases and other pathologies. As of this time there is no evidence of its validity [56].

In reviewing the clinical histories of AIDS patients who were being treated with ozone, H. S. Fuessl, leading German AIDS specialist [57], states:

After observing ozone treated AIDS patients for long periods of time, we noted that patients who had just started on the ozone therapy showed some increases in CD-4 T-cell counts. But a few weeks later their CD-4 T-cell counts not only returned to their original low levels but in many cases went lower as the clinical picture clearly worsened. Two patients died before our eyes from opportunistic infections soon after beginning the ozone therapy. Those of us who treat HIV infected patients on a daily basis recognize that monitoring the changes of the CD-4 T-cell counts over a short period of time, does not accurately reflect the effect of the treatment or the prognosis of the patient. After following a number of AIDS patients that were receiving ozone therapy, I recognized that increases in the CD-4 T-cell counts could occur in any patient, at any time. But it did not mean that HIV was being killed or that the infection was being arrested. In spite of this knowledge, CD-4 T-cell counts are still the primary diagnostic and prognostic tools used by ozone therapists. (translated from the German by S. Green)

Is autohemotherapy approved by German medical authorities?

Autohemotherapy proponents refer to the widespread use of this treatment in Germany, implying that it is sanctioned by the German medical establishment. Dr. Barbara Burkhard of the Medical Office of Patients Insurance-Bavaria (Munich, Germany) writes, "Ozone therapy is not approved by the medical establishment in our country. The National Health Insurance (Gesetzliche Krankenversicherung) is not allowed to pay for it. In the book of laws on this subject (Sozial Gesetzbuch V), the obligations for insurance institutions are fixed. They are only required to pay for methods that are in accordance with generally accepted medical knowledge and which have made proven contributions in medicine. Doctors who have contracts with health insurance companies only get reimbursement for treatments that are approved by the Bundesausschub der Arzt und Krankenkassen. This committee is
governed by social insurance regulations and issues the rules for diagnostic and therapeutic medical methods. In an Appendix to their book of rules, methods not approved are listed. Ozone therapy is number 3 on that list." [58]

Are there adverse effects of the use of autohemotherapy?

As of 8/14/1995, a search of the Medline, Health, AIDSline, and Cancerlit databases back to 1966 turned up more than 100 papers citing adverse effects in humans or in experimental animals caused by ozone or ozone reaction products. There were no references to papers in peer-reviewed medical journals that reported beneficial effects when ozone was used as a treatment for viral infections.

How are AIDS patients sold ozone autohemotherapy?

The idea that infusion of ozone-treated blood can cure AIDS patients is being marketed despite is lack of efficacy. This was clear from the testimony of Mr. Ed McCabe, before Senator Harkin’s subcommittee of the Committee on Appropriations, U.S. Senate, 1993 [31]. After accusing the medical establishment of intentionally ignoring an effective treatment for AIDS, McCabe declared that he had proof that help is available to AIDS patients right now and that thousands had been successfully treated. But McCabe did not give the Committee references by which his proof could be verified, and he did not identify any of the medical papers he said contained the evidence of autohemotherapy’s effectiveness. He showed no proof that US physicians had converted hundreds of AIDS patients from HIV positive to HIV negative status through autohemotherapy; he did not identify how, where, or when he interviewed the "644 German ozone therapists who successfully treated the 384,775 patients with 5,579,238 ozone treatments." He did not provide evidence that autohemotherapy was clinically effective and resulted in long-term benefits.

Summary and Conclusion

Oxygenation therapists proposed that disease is caused by absence of oxygen and loss of cellular ability to use oxygen for "good energy" metabolism, detoxification, and immune system function. Oxygen therapies are proposed in order to restore the body's ability to produce 'good' energy, to 'detoxify' metabolic poisons, and to kill invading organisms. However, over the five decades that have passed since this concept was proposed, scientists have shown that:

1. Anerobic energy metabolism (fermentation) is not the cause of cancer.
2. Koch's glyoxylide does not exist.
3. Ingestion, infusion, or injection of hydrogen peroxide cannot re-oxygenate the tissues of the body.
4. Ozone-treated blood infused during autohemotherapy does not kill AIDS virus in vivo.

References


50. Poiesz, B. Personal communication to S. Green, 8/ 24/1995.


About the Author
Dr. Green is a biochemist who did cancer research at Memorial Sloan-Kettering Cancer Center for 23 years. He consults on scientific methodology and has a special interest in unproven methods. He can be reached at (212) 957-2029.