

OZONE THERAPY

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Medical ozone therapy has been around for over 100 years. It has been extensively used and studied in Europe and other countries. Studies and experience have consistently demonstrated that ozone is an extremely safe therapy and free from side effects when administered by a properly trained medical professional. It has proven to be a very effective treatment for a wide variety of disease conditions. It is a potent and safe anticancer, antiviral, antibacterial, and antifungal agent. There are many methods of administering ozone. For most applications we give it intravenously to horses and rectally to small animals. It can be dissolved in an IV fluid solution. It can also be used topically, either suspended in an ointment or by surrounding the area to be treated with a specially designed bag that gets filled with ozone gas. It can even be safely inhaled (to treat respiratory infections) if it is first bubbled through olive oil to make it non-irritating to the lungs.

By now you are probably asking, "If ozone is so safe and so effective, why is it not being used by every doctor in the country?" Well, as with many alternative therapies, the AMA is under pressure from the pharmaceutical industry to ignore and/or discredit any modalities that might cut into their profits (if they don't hold a patent on it and it keeps you from having to buy their drugs, then they do not like it!). In 1933, the AMA began systematically suppressing any treatment modalities that did not complement its liaison with the emerging pharmacologic and diagnostic industries. Ozone therapy and therapies such as homeopathy and chiropractic were methodically eliminated from medical school education and from the public's exposure. Europe and other countries have not suffered from this degree of suppression of anything alternative, and in many countries ozone therapy is commonplace. In fact, in Germany ambulances are fitted with ozone generators for treatment of stroke victims. The patients treated this way have a much lower incidence of permanent paralysis than do similar patients where ozone is not used.

Ozone (O₃) is an activated, trivalent (3 atoms) form of Oxygen (O₂). Ozone easily breaks down into an Oxygen molecule (O₂) and a singlet oxygen atom. This singlet oxygen atom has unpaired electrons, making it unstable, and thus is sometimes referred to as an "Oxygen free radical". In actuality, this oxygen atom behaves as an ion (O₂⁻), NOT as a free radical at normal physiological blood pH. Thus NO HARMFUL FREE RADICAL CHAIN REACTION occurs when it attaches itself to another molecule. It is the cascading chain reactions produced by harmful free radicals that tear apart cell membranes and do damage to healthy cells of the body. So, while the O₂⁻ does seek to pair with, or "oxidize" another molecule, it is only toxic to the most vulnerable cells. Healthy cells are well protected by an enzyme coating (glutathione peroxidase, reductase, and superoxide dismutase) and are only damaged by the sort of free radicals that cause the cascading oxidative chain reactions. Bacteria, viruses, and tumor cells do not have this enzyme coating, and thus are easily oxidized and destroyed by the oxygen atom. Singlet oxygen also acts as a scavenger for harmful type free radicals. It combines with them to render them harmless, thus protecting the body from being damaged by them. It also stimulates increased production of the enzymes that protect the healthy cells from damage, thus fortifying their ability to fend off damage from the harmful free radicals.

Ozone's benefits in the body are many. They include:

- inactivating bacteria, viruses and fungi.

- Enhancing circulation by increasing flexibility and reducing clumping of red blood cells and by oxidizing plaque on artery walls, thus allowing it to be removed.
- activating the immune system by stimulating production of white blood cells, interferon, interleukins, and tumor necrosis factor.
- breaking down petrochemical pollutants in the body.
- stimulating the body's protective enzyme systems
- helping clean wastes from the body.
- activating the Krebs cycle of energy production, thus providing for more efficient carbohydrate metabolism and improved energy production. More efficient energy metabolism means fewer toxic byproducts produced in the process of energy production (i.e. "cleaner burning" of fuel to produce energy in the body).

By facilitating more complete oxidation reactions, ozone dramatically increases the effects of most hormones, drugs, vitamins, herbs, etc. Thus concurrent use of ozone can significantly decrease the amount of a drug needed to achieve effect.

The work of Nobel Prize winner Dr. Otto Warburg showed that Oxygen deficit, and subsequent toxin buildup, is the underlying factor in the development and progression of ALL DISEASE PROCESSES!!!! Ozone is like a super potent form of Oxygen. It can be of benefit in any disease process in the body. A few of the conditions that respond very well to ozone therapy are infections of any kind, tumors/cancers, circulation disturbances, and Cushing's disease. There are also reports of it being used to treat other endocrine (hormone) abnormalities such as Addison's disease, diabetes, hyperthyroidism, etc. as well as immune mediated diseases.

We are very excited to now be offering Ozone therapy in our clinic. If you would like more detailed literature on this topic, please ask one of our staff members.