

I.V. OZONE THERAPY

The reactive oxygen species delivered to the hyperplastic areas by I.V. Ozone therapy selectively induces apoptosis in these cells. Oxidation of the cholesterol, triglycerides, and fibrin “soft plaque” matrix is also accomplished. Stimulation of glutathione, the body’s natural chelator of heavy metals is also accomplished. Plaque lining the walls of arteries shrinks and smooths over, allowing more blood to circulate. As a general mechanism, any disease related to metals, toxins, poor circulation, infection, hypoxia (decreased oxygenation) and malignant degeneration could be improved by I.V Ozone therapy.

Wealth of Health provides I.V. Ozone therapy delivered as a proprietary blended solution containing other additives such as minerals and porphyrins.

Summary of Potential Effects of I.V. Ozone Therapy:

- Inactivates viruses, bacteria, yeast, fungus, and protozoa
- Stimulates the immune and blood forming systems
- Increases release of oxygen from hemoglobin in tissues
- Increases red blood cell pliability, blood fluidity (decreases rouleaux formation)
- Enhances metabolism
- Supports and enhances the healing process
- Cleans arteries and veins of plaque and clot, improving circulation
- Destroys most xenobiotic toxins and chemotherapeutic agents (drugs, herbicides, pesticides and chemotherapies).
- Normalizes hormone and enzyme production
- Reduces inflammation
- Reduces pain and stimulates endorphin production
- Reduces occlusive stroke damage
- Reduces cardiac arrhythmia
- Improves brain function and memory
- Oxidizes toxins allowing their excretion
- Stimulates intracellular Chelation of heavy metals through glutathione production
- Promotes differentiation of primitive cells and apoptosis (suicide) of old diseased cells
- Promotes depolymerization of plaque, drusen, and amyloid
- Promotes deprenylation of altered intracellular microtubules

13 Major Effects of Ozone On the Human Body

As Reported by Dr. Frank Shallenberger

Considered one of the leading authorities on medical ozone, Dr. Shallenberger has done important work to support the hypothesis that ozone can have long-term positive effects on AIDS. He has also conducted workshops on the proper application of medical ozone at an International Ozone Symposium in Texas. He successfully treats patients with medical ozone via Major Autohemotherapy. The thirteen physiological effects are listed below and are accompanied by a brief explanation.

1. Ozone stimulates the production of white blood cells. These cells protect the body from viruses, bacteria, fungi and cancer. Deprived of oxygen, these cells malfunction. They fail to eliminate invaders and even turn against normal, healthy cells (allergic reactions). Ozone significantly raises the oxygen levels in the blood for long periods after ozone administration; as a result, allergies have a tendency to become desensitized.
2. Interferon levels are significantly increased. Interferons are globular proteins. Interferons orchestrate every aspect of the immune system. Some interferons are produced by cells infected by viruses. These interferons warn adjacent, healthy cells of the likelihood of infection; in turn, they are rendered nonpermissive host cells. In other words, they inhibit viral replication. Other interferons are produced in the muscles, connective tissue and by white blood cells. Levels of gamma interferon can be elevated 400-900% by ozone. This interferon is involved in the control of phagocytic cells that engulf and kill pathogens and abnormal cells. Interferons are FDA approved for treatment of Chronic Hepatitis B and C, Genital Warts (caused by Papillomavirus, Hairy-cell Leukemia, Kaposi's Sarcoma, Relapsing-Remitting Multiple Sclerosis and Chronic Granulomatous Disease). Interferons are currently in clinical trials for Throat Warts (caused by Papillomavirus), HIV infection, Chronic Myelogenous Leukemia, Non-Hodgkins Lymphoma, Colon tumors, kidney tumors, bladder cancer, malignant melanoma, basal cell carcinoma and Leishmaniasis. While levels induced by ozone remain safe, interferon levels that are FDA approved (and in clinical trials) are extremely toxic.
3. Ozone stimulates the production of Tumor Necrosis Factor. TNF is produced by the body when a tumor is growing. The greater the mass of the tumor the more tumor necrosis factor is produced (up to a point). When a tumor has turned metastatic, cancer cells are breaking off and being carried away by the blood and lymph. This allows the tumor to take up residence elsewhere in the body; or, in other words, divide its forces. These lone cancer cells have little chance of

growing due to the TNF produced to inhibit the original tumor. When a tumor is removed surgically TNF levels drop dramatically and new tumors emerge from seemingly healthy tissue.

4. Ozone stimulates the secretion of IL-2. Interleukin-2 is one of the cornerstones of the immune system. It is secreted by T-helpers. In a process known as autostimulation, the IL-2 then binds to a receptor on the T-helper and causes it to produce more IL-2. Its main duty is to induce lymphocytes to differentiate and proliferate, yielding more T-helpers, T-suppressors, cytotoxic T's, T-delayed's and T-memory cells.
5. Ozone kills most bacteria at low concentrations. The metabolism of most bacteria is on average one-seventeenth as efficient as our own. Because of this, most cannot afford to produce disposable anti-oxidant enzymes such as catalase. Very few types of bacteria can live in an environment composed of more than two percent ozone.
6. Ozone is effective against all types of fungi. This includes systemic *Candida albicans*, athlete's foot, molds, mildews, yeasts and even mushrooms.
7. Ozone fights viruses in a variety of ways. As discussed above, ozone also goes after the viral particles directly... The part of the virus most sensitive to oxidation is the "reproductive structure". This is how the virions enter the cell. With this structure inactivated, the virus is essentially "dead". Cells already infected have a natural weakness to ozone. Due to the metabolic burden of the infection the cells can no longer produce the enzymes necessary to deal with the ozone and repair the cell.
8. Ozone is antineoplastic. This means that ozone inhibits the growth of new tissue because rapidly dividing cells shift their priorities away from producing the enzymes needed to protect themselves from the ozone. Cancer cells are rapidly dividing cells and are inhibited by ozone.
9. Ozone oxidizes arterial plaque. It breaks down the plaque involved in both Arteriosclerosis and Arthrosclerosis. This means ozone has a tendency to clear blockages of large and even smaller vessels. This allows for better tissue oxygenation in deficient organs.
10. Ozone increases the flexibility and elasticity of red blood cells. When one views a red blood cell under a microscope, it looks like a disc. In the capillaries, where they pick up (lungs) and release (tissue) oxygen, these discs stretch out into the shape of an oval or umbrella. This aids their passage through the tiny vessels and makes the exchange of gas more efficient. The increase in flexibility of the RBC's allows oxygen levels to stay elevated for days, even weeks, after treatment with ozone.
11. Ozone accelerates the Citric Acid Cycle. Also known as the Krebs's Cycle or TCA Cycle, this is a very important step in the glycolysis of carbohydrates for energy

production. This takes place in the mitochondria of the cell. Most of the energy stored in glucose (sugar) is converted in this pathway.

12. **Ozone makes the anti-oxidant enzyme system more efficient.**

13. Ozone degrade petrochemicals. These chemicals have a potential to place a great burden on the immune system. They also worsen and even cause allergies and are detrimental to your long-term health.

Prolozone Therapy

Prolozone Therapy What is Prolozone Therapy?

Prolozone Therapy is a form of non-surgical ligament and joint reconstruction pioneered by Frank Shallenberger, MD. It is a permanent treatment for many kinds of chronic pain. Prolozone Therapy is derived from the Latin word “prolix” which means to proliferate, regenerate, and rebuild. Prolozone Therapy is so named because the treatment uses ozone to cause the proliferation, regeneration, and rebuilding of new ligament and cartilage tissue in areas where they have become weak.

Injured Ligaments Cause Pain

Ligaments are the structural “rubber bands” that hold the bones, joints and intervertebral discs together. Ligaments can become weak or injured from injury excessive use, or surgery, and often do not heal back to their original strength and tightness. When this happens, this puts a severe strain on the areas that the ligaments are supposed to be holding together, resulting in pain and arthritis in the bones, discs, and joints which are affected. Also, ligaments themselves have many nerve endings which can provide additional source of pain.

How Does it Work?

Prolozone Therapy involves the injection of ozone in and around ligaments where they attach to the bone. The injected ozone increases the blood supply and flow of healing nutrients. More importantly, it also stimulates the deposition and activity of fibroblasts and chondroblasts. These cells synthesize the collagen and cartilage that the body uses to repair damaged ligaments and joints. This increase in cellular repair activity strengthens and tightens the injured tissues; thereby stabilizing the area, and removing the cause of the pain.

Why is Ozone Used?

Ozone is a naturally-occurring highly reactive molecule consisting of three atoms of oxygen. Because ozone is so reactive, it is able to stimulate fibroblastic and chondroblastic activity to an almost unbelievable extent. This high level of reactivity, combined with the innate safety of oxygen, makes ozone the ideal therapeutic molecule.

What Can I Expect?

The response to treatment varies from individual to individual, and depends upon one’s healing ability and level of injury. Some people may only need one to two treatments, while others may need as many as six or seven. Once you begin treatment, the doctor

can analyze how you are responding, and will then be able to give you an accurate estimate of what you can expect from further treatments. The injection process is repeated every 1-2 weeks until maximum improvement is noted. Prolozone Therapy typically results in a complete absence of symptoms, even in severe pain conditions that have been present for years. And, the most amazing thing about it is that the results usually represent a permanent fix.

What Conditions are Treated?

Back and neck pain with or without degenerative disk disease, shoulder pain from rotator cuff injuries, and osteoarthritis of the hips, knees and spine are the most common ailments treated with Prolozone Therapy. Prolozone Therapy is also excellent for many other types of musculo-skeletal pain, including fibromyalgia, carpal tunnel syndrome, TMJ syndrome, sciatica, plantar fasciitis, neuromas, tennis elbow and virtually any sports injuries. It can be especially effective in treating areas that have previously been operated on because of the significant injury that occurs to ligaments during surgery.

SUMMARY

Prolozone Therapy is a safe, natural and often permanent treatment for low back pain, degenerated or herniated discs, sciatica, neck pain, unresolved whiplash, rotator cuff tears and osteo-arthritis of the hip or knee.