

Unveiling new dimensions in medical science
Experience the new spirit of good health -- OZONE

OZONE FACTS

As the most constituent element of the Earth's crust, oxygen is the most essential for human life. In fact, over 62% of the Earth's crust is made up of oxygen. It also constitutes 65% of all the elements of our body, including blood, organs tissues and skin. Oxygen is involved in all body functions and we require a continual supply of oxygen to survive.

In order to appreciate ozone one must first understand fully the critical role oxygen plays in human life. Ozone is an elemental form of oxygen occurring naturally in the earth's atmosphere. Ozone is known chemically as O₃ and is an activated and unstable trivalent form of oxygen. It has a sharp, pungent smell and is highly unstable under normal conditions. Clinically it needs to be generated by passing a regulated flow of medical oxygen through an Ozone Generator of which there are various types. The 'cold plasma' method of generating ozone is considered the best known at this moment of time. This technology has yet to be developed indigenously in India.

It ranks amongst the least expensive, safe and most powerful eco-friendly antiseptics known to science and is extremely versatile in application limited merely by the users imagination! Its use is diverse, from the disinfecting of the closed environment of an Operating Theatre and hospital wards to direct administration into the human body. Post operatively administered intravenously or through insufflation, it speeds up healing without the use of powerful and expensive antibiotics and their accompanying side effects. It is easily assimilated into the human body without any side effects whatsoever. It may also be used variously by vets.

Oxygen Therapy is an umbrella term used for a number of closely related, leading edge therapies that seek to promote healing by flooding the body with oxygen. Ozone Therapy is probably the most powerful of the oxygen therapies as ozone is more active than the others. It is the most energetic and useful agent known to science. Ozone is one of the most potent oxidisers ever known to medicine. This therapy ranks amongst the most powerful and versatile therapies known today.

The use of Ozone for medical therapy is well established, being vigorously pursued by many clinicians across the world. It enjoys wide international acceptance particularly in countries such as Germany, Russia, Canada, South Africa, Japan, many states in the USA, India and so on.

It has been found through extensive research that the fundamental cause of the majority of diseases is brought about by *hypoxia*, or the presence of less than 70% of the normal amount of oxygen in the human body. In such a situation metabolic processes are disturbed due to the excessive production of lactic acid and carbon monoxide in body cells -- this has an extremely deleterious effect on the human body.

Ozone Therapy also provides an alternative and extremely inexpensive method of cancer treatment particularly in the first three stages. Dr. Warburg was awarded the Nobel Prize in medicine twice -- the first in 1928 for his discovery that cancer cells can only proliferate in areas deprived of oxygen; the second for his discovery that flooding an affected part with oxygen drastically inhibits the growth of cancer cells!

Ozone has been found to be exceptionally non-toxic and the safest known medical therapy, free from any and all side effects..... in short a boon to Medical Science. There are innumerable websites on Ozone Therapy which may be accessed through www.google.com or any other search engine. The therapy is characterised by its simplicity and is exceptionally easy to administer.

MAJOR BENEFITS OF OZONE ON HUMANS

1. Ozone stimulates the production of white blood cells. These cells protect the body from viruses, bacteria and fungi. These cells malfunction if deprived of oxygen. 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 its administration. As a result, allergies have a tendency to become desensitized.
2. Interferon levels are significantly increased with ozone. Interferons are globular proteins that orchestrate every aspect of the immune system and inhibit viral replication.
3. Ozone stimulates the production of Tumor Necrosis Factor. TNF is produced by the body when a tumor is growing.

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. T-helper causes it to produce more IL-2. Ozone's 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 an average, one-seventeenth as efficient as our own.
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.
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 whose production is drastically inhibited through the administration of ozone.
9. Ozone oxidizes arterial plaque. It breaks down the plaque involved in both arteriosclerosis and atherosclerosis. This means that 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.
11. Ozone accelerates the Citric Acid Cycle. Also known as the Krebs Cycle or TCA Cycle, this is a very important step in the glycolysis of carbohydrate for energy.
12. Ozone makes the antioxidant enzyme system more efficient.
13. Ozone degrades petrochemicals. These chemicals have a potential to place a great burden on the immune system.

CLINICS

Ozone therapy, a revolutionary medical treatment, based on extensive research and practice, with far reaching results in human health care, has become a reality and is now being practiced in India. It is simply wonderful that such a privileged medical specialization is being made available in India. It is a euphoric realization that millions of people in and around the globe will get benefited from this therapy. It is highly efficacious against dreaded disease like cancer, chronic renal failure, thalassemia and cerebral atrophy for which there are no known cures in the world.

Various clinics have started using this therapy primarily in Mumbai and New Delhi. Dr. Parul is a well known physician using this therapy in Mumbai and may be contacted at parul@bisleri.co.in She has just concluded a two day conference on Ozone Therapy Sep 1 - 2 in Mumbai.

A more senior practitioner Dr. J. P. Alva in Bangalore may be contacted at djpalva@yahoo.co.in

Dr. Saul Pressman in Vancouver, Canada too is deeply associated with this therapy and may be contacted at plasmafiresales@hotmail.com

INSUFFLATION

This is the simplest and most desirable method of delivering Ozone into various vital organs in the treatment of various diseases.

1. Ear Insufflation.
2. Vaginal Insufflation -- this is a blessing for ladies as ozone may be administered non-invasively to reach all parts of their anatomy, thus detoxification and rejuvenation of the entire body is facilitated. Post operative infections are easily controlled in this way.
3. Rectal Insufflation -- this is used particularly to treat infections of the large intestines.

INJECTION

Ozone may be directly administered into a vein or affected area or tumor. Ozonised saline drip injection can also be used to deliver the ozone into the veins. To maintain the ozone balance, Ozone is re-infused intravenously. Ozone is readily absorbed by the blood.

INHALATION

The inhalation process is highly beneficial in the treatment of respiratory disorders. Through this method the much needed oxygen is supplied to patients suffering from bronchial asthma, COPD and lung cancer.

INGESTION

Patients are asked to consume about a litre of ozonised water daily which leads to forced diuresis leading to toxic waste excretion. It also cleans up the system and clears the clogging in the lymph and neuronal pathways.

TRANSDERMAL

There are several transdermal ozone application techniques as given below :

1. Bagging a limb or the body as a whole. This is particularly applicable in burns where the epidermis is destroyed and the healing flesh is deprived of its natural barrier against infections. Placing the burnt part inside an ozone tent ensures a sterile environment for speedy recovery.
2. Ozonated oil -- useful for massage as also as a salve for cuts, wounds and infections.
3. Cupping with a funnel.
4. Steam cabinet where steam and ozone are infused together.

RECIRCULATORY HAEMO PERFUSION

RHP is a highly effective treatment that is administered and monitored by trained medical personnel. With the patient lying in a flat bed 2 catheters or blood ports are inserted, one into the vein in one arm and another into the vein in the other arm (legs, feet or the groin may also be used). Blood is continually withdrawn out of one arm and then flows down a bloodline into a dialysis filter filled with ozone. This infuses ozone into the blood. The impurities and toxins separate out of the fluid at the bottom of the filter and go into a separate container. The remaining clean sterile bright red blood is then pumped back into the blood stream in the other arm. This technique, somewhat similar to dialysis, is called Recirculatory Haemo Perfusion. It is carried out in very few countries including India.

Any or all of these methods are highly beneficial to the human body and its system while causing absolutely no side-effects or complications attributed to other known therapies. This therapy is a complete blood-purification system thereby leading to a healthier and much more efficient quality of life than known until now in Medical Science or any other therapeutically accepted method. As such, this therapy, particularly RHP Technologies not only enhance the patient's medical condition beneficially but the overall well being of the patient in a holistic, scientific and comparatively non-invasive manner.

It also dramatically improve the 'Quality of Life' and provides significant, tangible, noticeable and sustainable therapeutic impacts by eradicating the causative and detrimental factors of infection in an extremely wide range of medical diseases and infections found in man and medicine. It is characterised by its simplicity, efficacy, low investment and expenditure.

Given that the intent behind the practice of medicine is the amelioration of the suffering of humans and animals, the extensive use of ozone therapy in India can only prove a boon for this great country.

It is contra-indicated in hyper thyroidism! Its use during pregnancy has yet to be properly studied!

To conclude, this is an emerging field with a wide range of applications. In India it is simply waiting for open minded physicians, surgeons and specialists to explore its full potential.

Clinical Indications

Heart Disease, Angina, Arteriosclerosis, Hypertension, Gangrene, Senile Dementia, Arthritis, Varicose Veins, Aches, Inflammatory Bowel Disease, Immune Deficiency, Fatigue, Stress, Irregular periods, Ankylosing Spondylitis, Diabetes, Asthma, Allergies, Obesity, Rheumatism,

Migraine, Hepatitis B & C, Cancer, Parkinson's Disease, Ulcers, Pre-menstrual syndrome, Post-menstrual syndrome, High Cholesterol

and so on!

The following newspaper report adds a new dimension to this system of treatment. It is heartening to note that Mrs. Sheila Dixit, CM, Delhi has recently inaugurated an ozone facility in New Delhi. Clearly there is a growing awareness of Ozone Therapy in the medical fraternity in India.

Times of India, Patna

16-5-07

Ozone cure for slipped disc

Procedure involves injecting gas into affected areas

HOW IT WORKS

- *It is a non-surgical, invasive alternative for disc problems.*
- *The ozone generator converts oxygen into ozone with a concentration of about 30 micrograms per ml.*
- *During the procedure 4-5 ml of ozone is injected into the disc.*
- *It is an out-patient procedure which takes 15 - 45 minutes.*

Mumbai: Backache was Vikhroli resident Satyawati Aarekar's unwanted yet constant companion for the past seven years.

The 60 year old housewife found it difficult to even climb to her third floor flat without her lower back radiating pain towards her legs.

Ozone therapy introduced in Mumbai, came as a welcome relief for Aarekar who had tried everything from bed rest, ayurveda and acupressure in the hope of finding relief.

Aarekar underwent the out patient procedure at Bombay Hospital at Marine Lines, a few months ago and was thrilled to be back on her feet.

"The pain is gone 98%," she said. Called 'ozonucleolysis', or ozone therapy, the treatment is ideally recommended to patients who suffer severe disc problems.

It simply involves injecting ozone into the affected disc and promises almost instant relief from excruciating backaches.

"I was afraid to get a surgery done for my spine. I have seen friends around my age undergoing operations for slipped disc and taking months to recover," said Aarekar. She coughed up Rs. 25,000 and opted for the ozone needle instead.

"Ozone therapy is recommended to patients with slipped disc: those cases in which the nerve roots get compressed radiating pain to the leg,," said Dr. Dhaval B. Modi of Bombay Hospital's interventional neuro-radiology department, who along with Dr. Sharad Ghadge, helped Aareka.

"It is an outpatient procedure in which we inject ozone into the affected disc," he said.

Civic run KEM Hospital in Parel, too introduced ozone therapy as an option to patients a year ago.

While there is no specific data related to India, spine surgeons estimate that roughly 5% of the general population is affected by serious disc problems.

While a lot of patients do not require treatment, others traditionally undergo spine surgeries for relief. Ozone therapy is the latest in this bouquet of treatments for spinal problems.

"For a spine surgeon, ozonucleolysis is simply the most incredible option available. It doesn't require an incision, has no side effects and shows results in at least 85% of the cases," said Delhi based spinal surgeon Dr. Vijay Sheel Kumar, who is the president of the World Federation of Ozone Therapy and has been using the therapy for the past three years.

"However, patient selection is of the utmost importance. Those who legs have become paralysed or those

with loss of bladder movement would still require traditional surgery," he added.

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