Ozone Therapy

Ozone: What is it, and how does it work?
Ozone is activated oxygen. While simple oxygen consists of two atoms, ozone gas consists of three oxygen atoms, making the molecule very unstable. Because of its instability, it behaves "radically", and interacts chemically with other compounds. The end result: water (H20) and other reduced compounds.

Lack of oxygen slows down our metabolism, leading to the accumulation of toxins and the over-acidification of the inner milieu (tissue). Various symptoms may ensure, including a weak immune system, disease susceptibility, reduced fibrin and blood oxygen causing cells to be oxygen deficient.

Ozone Therapy optimizes blood flow and supports a minor enlargement of blood cells, which assists in their being more 'receptive' to oxygen. These factors not only improve health, but overall leads to better oxygen utilization. In addition, ozone works by acting cytolytically against viruses, fungi and bacteria, destroying them by being a strong oxidant.
Simply, all healing processes in the body require oxygen and the more oxygenated the cells the more regeneration of the body will occur and pathogens destroyed.

Ozone

- has invigorating effects
- stimulates the metabolism
- detoxifies
- works against premature aging
- helps our body respond to environmental stressors
- strengthens the immune system

Main indications

- blood circulation disturbances (Angina Pectoris, Raynaud's disease, arteriosclerosis, apoplexy)
- cancer illnesses
- metabolic disturbances
- acute and chronic infections
- geriatrics
- oxygen deficiency conditions such as respiratory insufficiency, bronchial asthma, pulmonary emphysema
- exhaustion, overexertion

Contraindications

- acute bleedings or thinned blood
- thyroid hyper-function
- acute kidney failure
- acute apoplexy
- seizures or convulsions
- severe poisoning
- pregnancy

How is medical ozone made?

Pure oxygen is placed in a container under a UV lamp. The light breaks up the oxygen bonds, forming both, ozone (O3), (O1) and oxygen (O2). The ozone gas is then separated out, and stored. Thus, the desired dose can be calculated accurately. Because of the instability of ozone in reaction with oxygen, as soon blood is drawn, the procedure must happen efficiently and quickly.

How does Ozone Therapy work?

The most frequent form of therapy is the Ozon infusion; it is also referred to as "blood cleaning" or "haematogenous oxidation therapy". The nurse will draw approximately 100 ml of your blood, and collects it in a sterilized vacuum bottle. Sodium Citrate in the bottle will prevent the blood to coagulate. The nurse then feeds the ozone gas into the bottle, which will be mixed thoroughly with the blood. This is when the ozone binds with hemoglobin, and oxygenates the blood. This new, oxygenated blood is then re-infused into your vein.
Note: Ozon cannot be administered through a port.

Why is ozone vapor harmful and ozone treatment isn't?

High concentrations of inhaled ozone is dangerous, as it comes in contact with sensitive respiratory tissue and causes strong irritation. The amount of ozone in the air around us is filtered, mixed with oxygen and is therefore less of a concern. Low concentrations administered intravenously, have no side effects and benefits by supporting a multitude of systems within the body and enhanced any kind of recovery.