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 structure very unstable. Because of its instability, it behaves "radically", and interacts chemically with other compounds. The end result: water (H2O) and other reduced compounds.

This metabolic process slows down our own metabolism, leads to the accumulation of poisons and the over-acidification in the blood. Various symptoms may ensue, including immune weakness, disease susceptibility, reduced fibrin and blood oxygen under-utilization.

Ozone works by acting cytolytically against viruses, fungi and bacteria. It changes the blood flow, supports a minor enlargement of blood cells, which assists in their being more ‘receptive’ of oxygen. These factors not only improve one’s symptom picture, but in general, lead to better oxygen utilization. Simply, all healing processes in the body require oxygen.

**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 medical ozone is manufactured?**
Pure oxygen is placed in a container under a UV lamp. The light breaks up the oxygen bonds, forming in the container both, ozone (O3), O1 and oxygen (O2). The ozone gas is then separated out, and stored. Thus, and with this separation, the desired dose can be steered accurately. Because of ozone’s instability in reaction with oxygen, after the blood has been drawn, the mixture of ozone and the blood must occur cleanly and quickly.

**How is the ozone treatment conducted?**
The most frequent form is the infusion; it is also referred to as "self-blood laundry" or “haematogenous oxidation therapy”. The nurse draws approximately 100 ml blood from the patient, and collects it in a sterilized vacuum bottle. Natrium Citrat is already in the container, and prevents blood coagulation. The nurse then feeds the ozone gas into the container, and mixes thoroughly. There, ozone binds with hemoglobin, and oxygenates the blood. This new, oxygenated blood is then re-infused into the vein.
Note: this practice cannot be made through a Port.

**Why isn’t ozone smog harmful and ozone treatment isn’t?**
High concentrations of inhaled ozone is dangerous, as it comes in contact with sensitive respiratory tissue and causes a very strong irritation. The amount of ozone in the air is filtered, balanced with oxygen and is therefore less of a concern. Further, low concentrations administered intravenously, have the benefit of supporting a multitude of health systems within one’s body, and furthering one’s recovery from illness.