



## **INTRAVENOUS OZONE and ULTRAVIOLET BLOOD IRRADIATION**

### **Patient Information and Instructions**

#### **OZONE:**

Please see attached article by Frank Shallenberger, MD, HMD or go to [www.oxygenhealingtherapies.com](http://www.oxygenhealingtherapies.com)

#### **ULTRAVIOLET BLOOD IRRADIATION:**

The use of ultraviolet light to treat pathogenic organisms (infections) dates back to the early 1900s. A Nobel Prize was awarded to a Danish physician in 1903 for his development of ultraviolet (UV) therapy for skin infections. The concept was later adapted for treatment of internal infections. This therapy was found to be safe and effective, and was widely used in hospitals until the advent of antibiotics.

UV irradiation of the blood has multiple effects within the body. The immune, nervous and cardiovascular systems and blood components are impacted. Exposure of the blood to UV light activates oxygen molecules, leading to a number of positive biochemical changes at the cellular level. An environment is created that supports cells' natural ability to respond to threats such as bacteria and viruses. The blood is purified and resistance to infections rises.

Oxygen is also more readily absorbed by the blood and diffusion to the cells is increased. An abundant oxygen supply is critical to all cells and has important ramifications for immune cell function. Additional effects include normalization of blood cell numbers and function, improved blood flow and a positive influence on the autonomic nervous system.

Because of these many benefits, ozone and ultraviolet blood irradiation (MAH/UVB) may be useful in the treatment of a wide range of conditions including:

- Autoimmune disease
- Adjunctive Cancer therapy
- Chronic Fatigue Syndrome
- Vascular disorders (e.g. Reynaud's, P.A.D.)
- Acute & Chronic Infections
- Hepatitis C
- Biotoxin Illness (mold, Lyme, mycoplasma)
- Non-healing wounds

#### **The Procedure:**

Treatment of a patient's blood with ozone and ultraviolet light are generally combined into one procedure, although they may be performed separately. While seated or reclined in our comfortable treatment room, a standard intravenous (IV) line is inserted. Through this IV, blood is withdrawn, treated with ozone, and reinfused through specialized tubing that allows for exposure to the ultraviolet light. The treatment lasts approximately one hour.

A series of treatments is necessary to fully address any condition. Typically one session per week is advised, however the frequency and total number of sessions will be determined by each doctor on an individual basis.

## **Patient Preparation:**

The following conditions are **CONTRAINDICATIONS** for this therapy:

- Hyperthyroidism
- Active Bleeding or Acute Hemorrhagic disease (e.g. hemophilia)
- Acute MI (heart attack)
- Women – Pregnant or Lactating
- Alcohol intoxication or withdrawal

### **PLEASE TELL US IF ANY OF THE FOLLOWING APPLY TO YOU:**

- Porphyria
- subacute Cholecystitis
- Fever of unknown origin
- use of Prescription Steroids (e.g. prednisone, cortisone)

You will need to **STOP ANY OF THE FOLLOWING MEDICATIONS and/or SUPPLEMENTS 2 DAYS BEFORE THE TREATMENT:**

- **Sulfur based Antibiotics:** Septra, Bactrim, Sulfadazine, Sulfisoxazole, Dapsone
- **Sulfur based Medications:** Sulfonylureas, Sulfasalazine, Celebrex, Imitrex, Zonisamide
- **Photosensitizing Medications/Nutrients:**
  - Tetracyclines (Doxycycline, Minocycline)
  - Quinolone/Fluoroquinolone antibiotics (Ciprofloxacin, Levofloxacin & others)
  - Erythrosine, Rose Bengal, Rhodamine, Acridine dyes, Adriamycin, Methyl Blue, Quinine, Porphyrins, 8-MOP

### **ON THE DAY OF YOUR TREATMENT:**

**Hydration:** Please drink several (4 to 6) glasses of water during the 2 hours prior to your appointment. Please bring a water bottle with you.

**Nutrition:** To prevent complications of low blood sugar, please eat a balanced breakfast or lunch before your appointment. Also, bring a high protein/high carbohydrate snack with you (e.g. fruit with nuts, cheese or yogurt; a sandwich).

**Appointments** are scheduled with the Treatment Center at **970-530-3060**