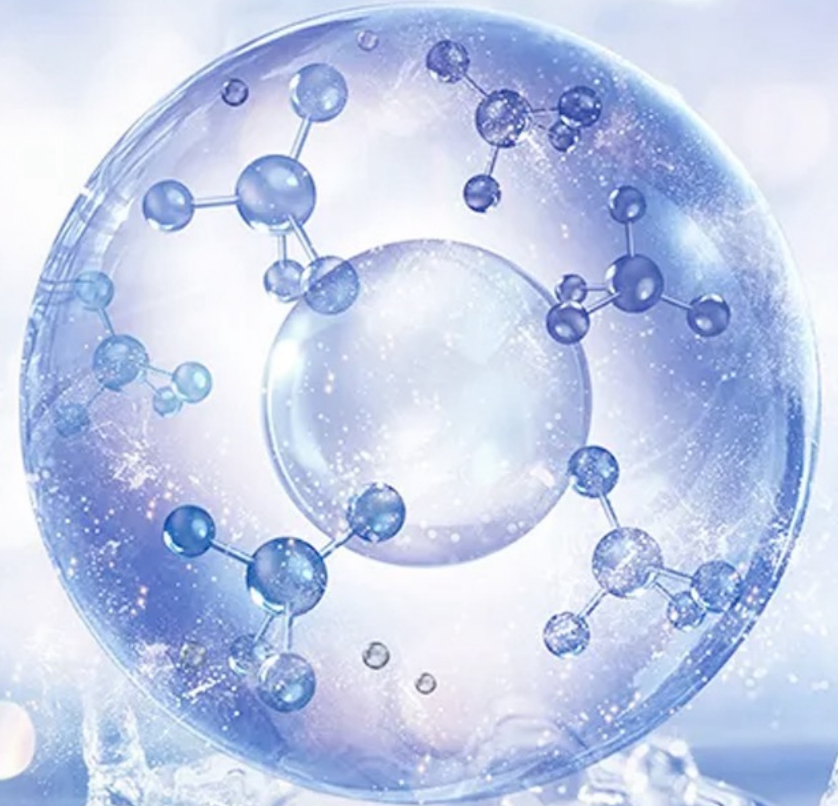




MedMasters
MASTER THE ART OF HEALING

Ozone and UV for Regenerative Medicine

Presented by: Kim Look



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KIM LOOK

- I know what it's like to have lots of knowledge and services but unable to pull them together for best utilization.
- I have grown new and old practices selling millions of dollars in medical services.
- Want to promote safe and effective therapies via great education and practical hands-on learning.
- Personally “sold” and administered over 25K IVs



Reasons for Training



- Protect the patient
- Protect the providers
- Protect the medicine

- Physiological understanding of therapies
- Calculating doses
- Accuracy and safety
- Competence and confidence
- Liability
- Malpractice
- Trouble shooting and critical thinking
- A+ Skills

Guaranteed Total Implementation Success



Objectives

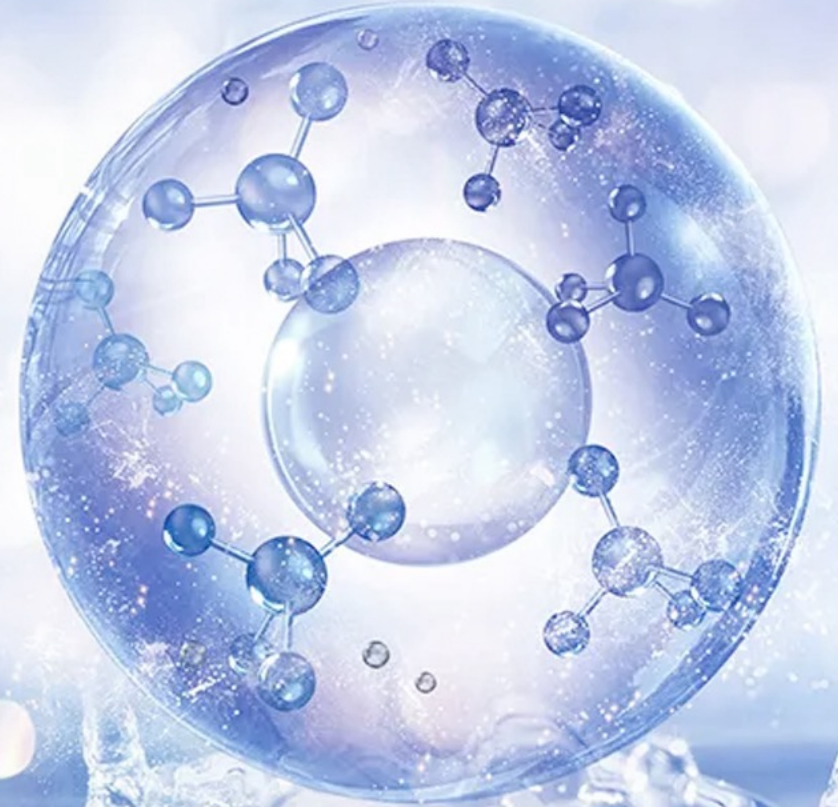


1. Expand your knowledge
2. Point you in the right direction to learn more
3. Help more patients

It is our mission to help you!



Science Overview of Ozone



General Aspects of Ozone Therapy

By: Ruhi Cakir



1. Creates Reactive Oxygen Species (ROS) - Early and short acting eliciting a crucial “therapeutic shock”.
2. Creates Lipidperoxides (LOPs) – Late and long lasting
3. Creates H₂O₂
 - Increases alkoxy radicals
 - Increase SOD, NO, CO and bilirubin
 - Increases GSH peroxide and reductase
 - Increases catalase
 - Increases heme-oxygenase – most important antioxidant defense & protective enzyme
 - Increases activation of platelets which release growth factors
 - Treats ischemia
 - Induces heat shock proteins
 - Recruits stem cells
 - Converts NADH to NAD – Mitochondrial production

Submitted: November 20th 2013 Reviewed: December 2nd 2013 Published: May 28th 2014

Medical Ozone in the Research by Dr. Velio Bocci



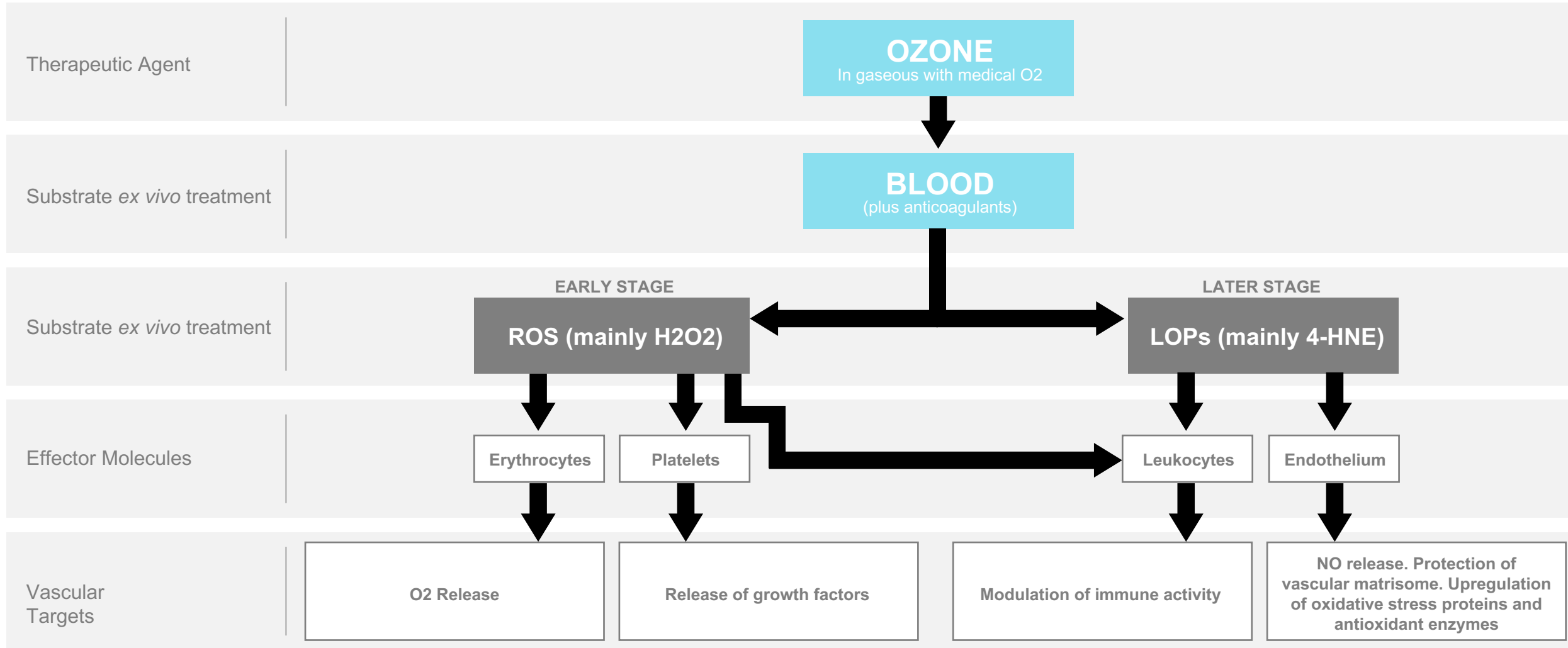
- Instantly reacts with blood products
- Bacterial, fungicidal and virucidal - *indirectly* activates the non-specific defense system
- Analgesic effects by acting on nerve endings in damaged tissue
- Detoxification effects – correction and activation of metabolic processes in the liver and kidney tissues.
- Vasodilator to improve micro and peripheral circulation
- Increases cellular efficiency - Activation of O₂ dependent processes – catalyst of aerobic oxidation > mitochondrial activation > cellular respiration > ATP synthesis

Medical Ozone in the Research by Dr. Velio Bocci

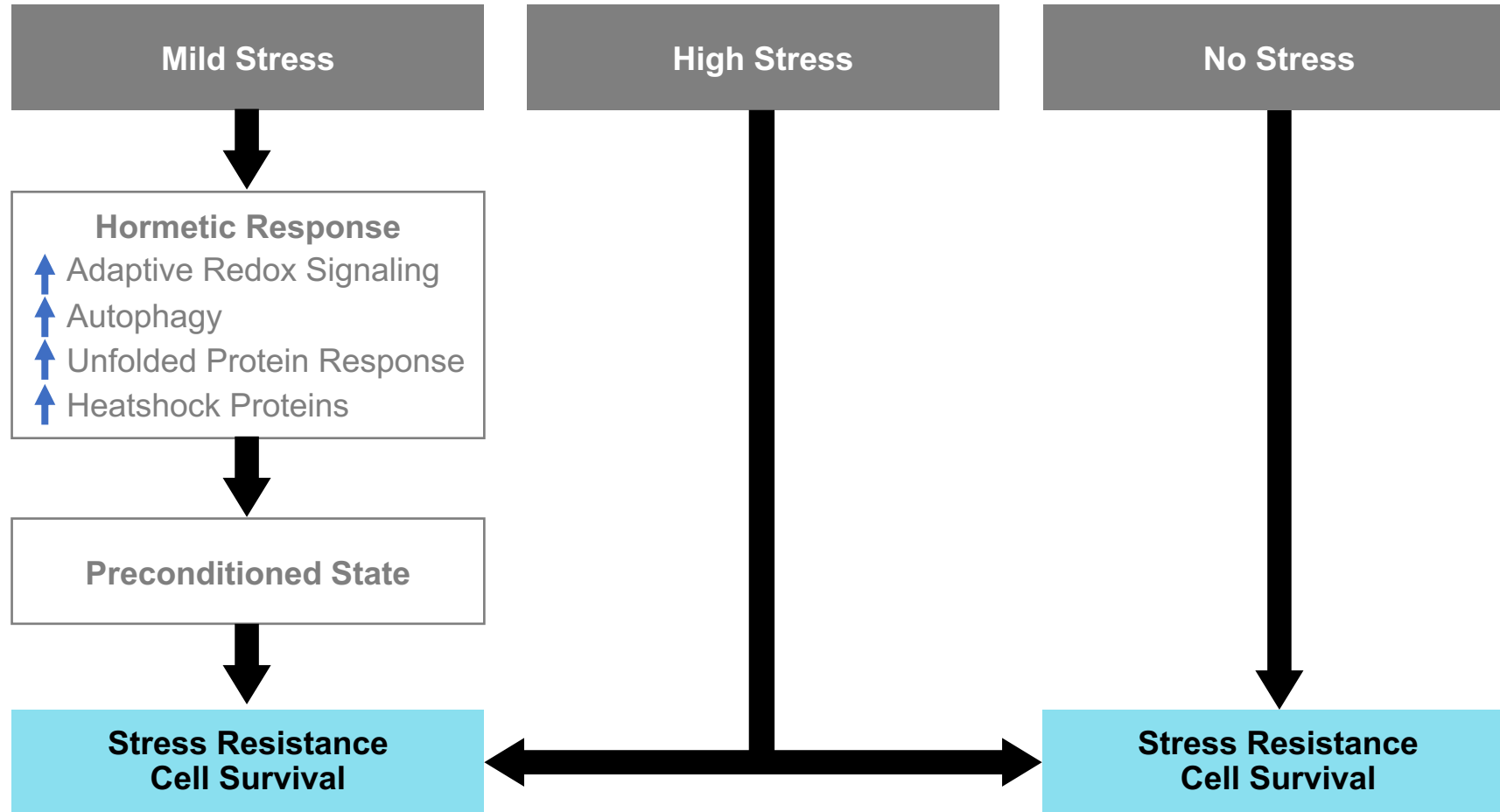


- Hemostatic effects (dose dependent)
- Immune-modulating effects
- Optimization of pro- and antioxidant systems
- Hormetic effect – stress to body that then creates secondary benefit
 - Optimization of pro- and antioxidant systems is regarded as one of the main effects of systemic ozone therapy which is realized through its influence on cellular membranes and bringing to balance the levels of lipid peroxidation products and of antioxidant defense system.

General Aspects of Ozone Therapy

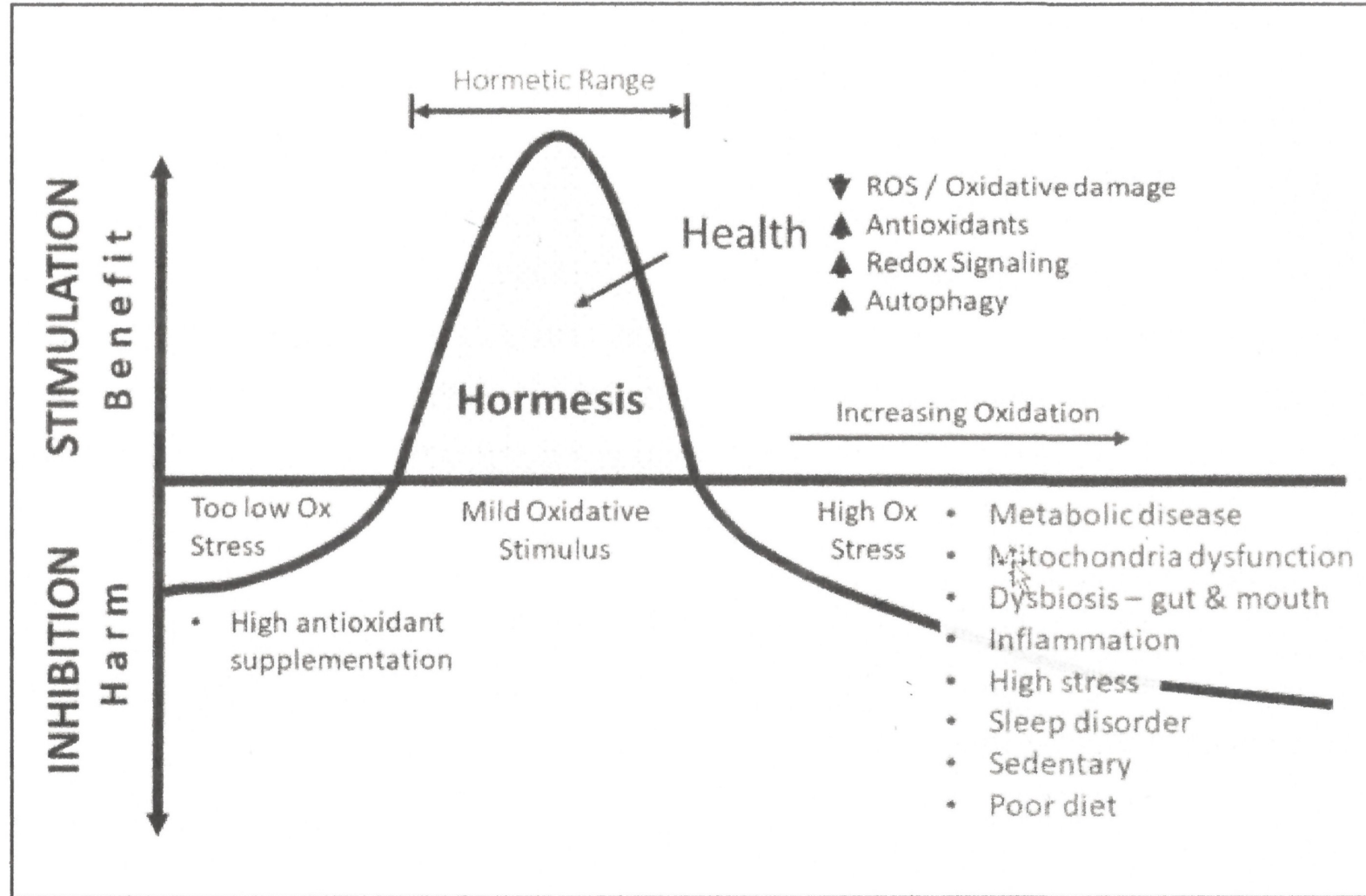


Hormesis – The Dual Nature of Redox

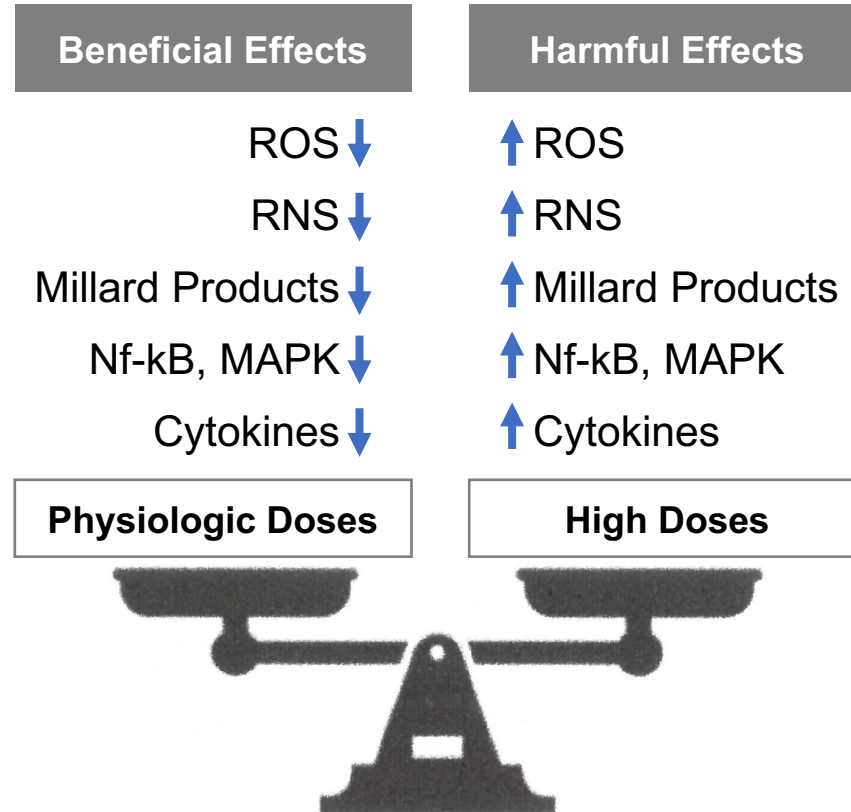


Source: Adapted from Zimmermann, Microbial Cell 2014

Therapeutic Vs High or Prolonged

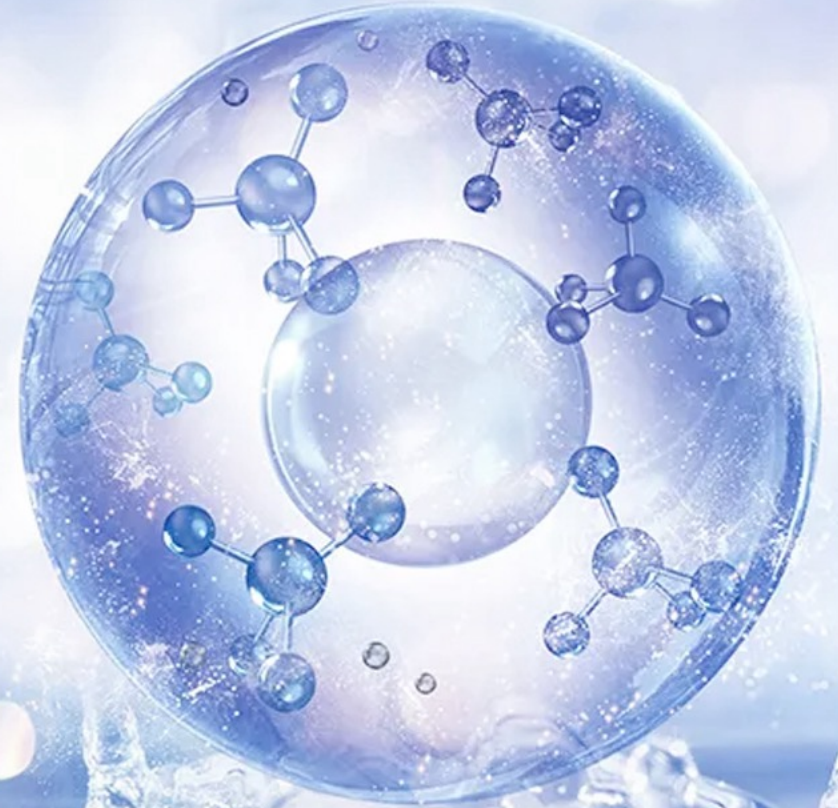


Exogenous Antioxidants





Science Overview of UBI



Biochemistry Summary



- Germicidal
- Rheological (flow properties of blood) effects
- Immune modulating effects
- Autoimmune issues were drastically reduced
- Increase IgM activation by 2-16x and IgG by 2-4x
- Oxygenation effects
- Inflammation reduction
- Regulating the autonomic nervous system
- Decrease in pain
- Cardiovascular improvement



Findings of German Research



Biophysical and Chemical Effects

- Improvement of the electrophoretic movability of the red blood cells
- Elevation of the electrical charge on the red blood cell
- Lowering of the surface tension of the blood
- Origin of free radicals
- Elevation of the chemical luminescence of blood

Hematologic Changes

- Increase in erythrocytes
- Increase in hemoglobin
- Increase in white blood cells
- Increase in basophilic granulocytes
- Increase in lymphocytes
- Lowering of thrombocytes

Hemostatic Changes

- Lowering of fibrin
- Normalization of fibrinolysis
- Trend towards normalization of fibrin-split products
- Lowering of platelet aggregation

Findings of German Research



Metabolic Changes – Improvement in O₂ Utilization

- Increase in arterial P_{O2}
- Increase in venous P_{O2}
- Increase in arterial venous oxygen difference (increased oxygen release)
- Increase in peroxide count
- Fall in oxidation state of blood (increase in reduction state)
- Increase in acid-buffering capacity and rise in blood pH
- Reduction in blood pyruvate content
- Reduction in blood lactate content
- Improvement in glucose tolerance
- Reduction in cholesterol count, transaminases, and creatinine levels

Hemodynamic Changes

- Elevation of poststenotic arterial pressure
- Increase in volume of circulation

Improvement in Immune Defenses

- Increase in phagocytosis capability
- Increase in bacteriacidal capacity of blood
- Modulation of the immune status

WHAT not HOW



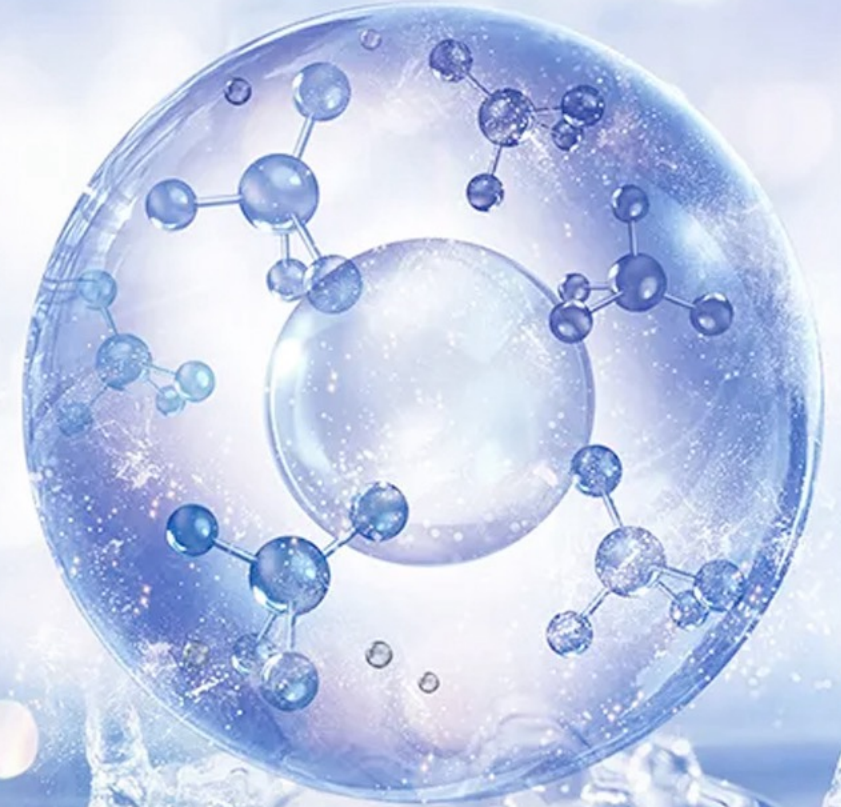
- Mechanism is multi-faceted, complex and not fully understood
- Immune modulating
- UV light interacts with proteins such as lipoproteins and immunoglobulins
- UV light interacts with all different cells - monocytes, lymphocytes, erythrocytes, dendritic cells, neutrophils

Net result: “there is a significant **decrease in inflammation** and the **natural antimicrobial activity** is markedly increased. Another common observation is that the oxygen carrying capacity of the blood is increased” ...Dr. Michael Hamblin

Wu, X., Hu, X., & Hamblin, M. R. (2016). Ultraviolet blood irradiation: Is it time to remember "the cure that time forgot"? *Journal of Photochemistry and Photobiology. B, Biology*, 157, 89–96. <https://doi.org/10.1016/j.jphotobiol.2016.02.007>



Functional Understanding

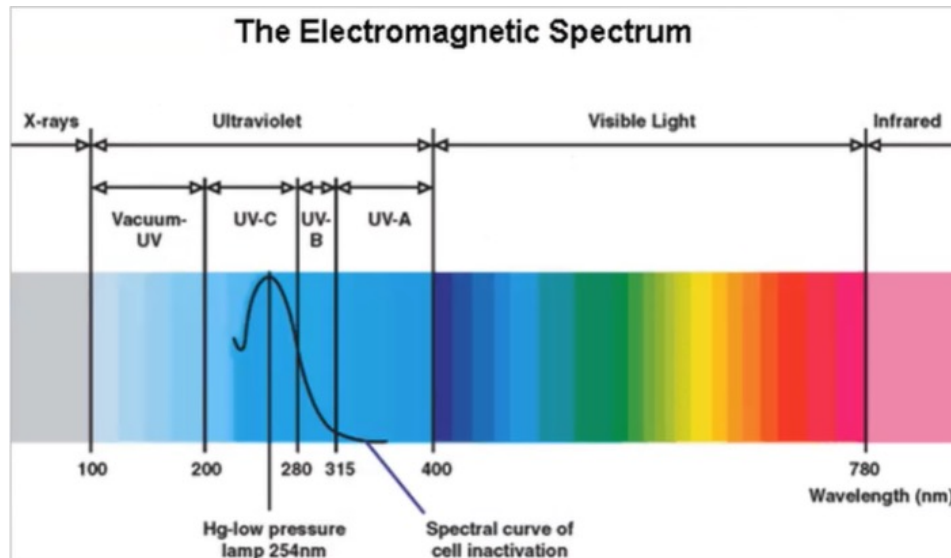


Two Oxygenation Therapies for the IV Room



1

Ultraviolet Blood Irradiation



2

MAH Ozone



molecule of **Ozone**
3D Illustration

Ozone is Super-charged Oxygen



- Oxygen is essential to mitochondrial function (energy).
- O₂ main ingredient req to drive the bulk production of ATP
- Ozone and UV stimulate process that create bioenergy from the conversion of ADP to ATP
- O₂ is required in the Krebs cycle of every cell
- O₂ is the main receptor for cellular respiration
- The body uses O₂ to process 96% of it's nutrition



What ALL Patients Need to Get Well



1

A major way to help patients fully heal is to address mitochondrial health with broad-spectrum therapies

2

The quickest way to get more out of your current treatments is to compliment those therapies with a systemic ATP boost

3

Oxygen is responsible for producing 90% of your body's energy. O3 and UV stimulate a higher uptake of O2

4

Direct oxygen delivery via blood delivers up to 15x the oxygen concentration as breathing alone

Most Clinics Put Icing On Cake Before Baking It



O3UV address microbiome, internal terrain, cellular efficiency, and mitochondrial health so your other treatments are maximized.



Why We Train On Ozone and UBI



Most of a clinician's outcomes come from simple, modest essentials for the human body.

Many think they need to get creative and complex with treatments; when really some of life's most simple essentials **spark the body's own healing response.**

- Ozone/UBI is an essential tool for 130+ disorders
- Broad Spectrum Tool
- Over 100-year history
- Over 40,000 physicians worldwide use it



O3UV are synergistic. In the 1990's Vasogen spent \$225 million proving that they work better together on over 20 disorders as they underwent FDA trials.

You Need Essential Ozone and UBI Understanding



1

Go to [MedMasters.org](https://www.medmasters.org)

2

Get Basic Ozone/UV Didactics

Ozone and UBI Work Best Together



What does Ozone/UV Combo do?

- Germicidal
- Rheological - flow properties of blood
- Immune modulating
- Analgesic effects
- Supports detox systems/organs
- Oxygenation effects
- Inflammation reduction
- Redox balancing
- Optimization of pro- and anti-oxidant systems
- Vasodilation - improved circulation
- Increased cellular efficiency
- Mitochondrial repair
- ATP increase
- Tissue Repair
- Debris scavenger



What conditions improve with O3UV?

- Cellular respiration and autophagy
- Cardiovascular disorders
- Circulatory disease
- Systemic chronic and acute infections (viral, bacterial, fungal)
- Autoimmune disease
- Mitochondrial dysfunction
- O2 Utilization
- Tissue repair
- Digestive/Kidney/Internal
- Mental disorders via microcirculation
- Pulmonary conditions
- OB/GYN
- Pain of all kinds
- Chronic and acute inflammation (localized or systemic)

Indications For Ozone/UBI



- Autoimmune Diseases
- Viral/Bacterial Infections
- Fungal Yeast Infections
- Inflammatory Conditions
- Joint Pain
- Circulatory Conditions
- Skin Disorders
- Respiratory Diseases
- Eye Diseases
- Wound Care
- Adjunctive Cancer Care
- Regenerative Medicine
- Optimization Patients
- Sports Recovery Therapy
- Aesthetics/Anti-Aging



We advise not to administer UBI if your patient has the following:

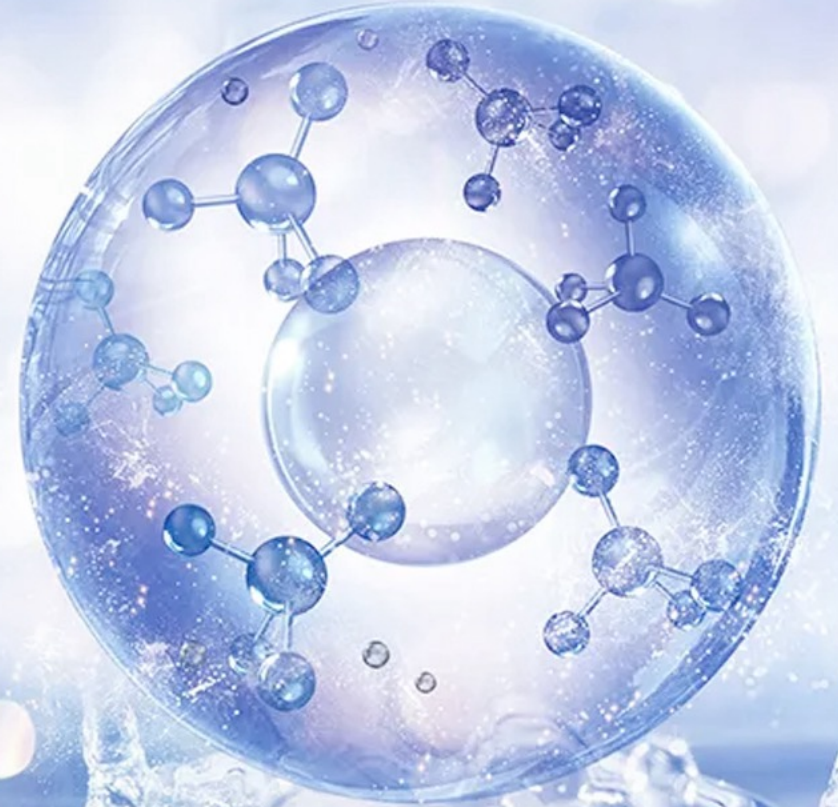
- All cases with Blood Coagulation Failure
- Thrombocytopenia
- Photosensitivity
- Sulfa Drugs
- Heparin/Blood Thinner Consideration



*Autoimmune Conditions – may get worse before better



Procedures & Equipment



Ozone and UV Light Therapy



1

DRAW BLOOD

A small amount of blood is drawn from the patient via a syringe



2

ADD TO SALINE

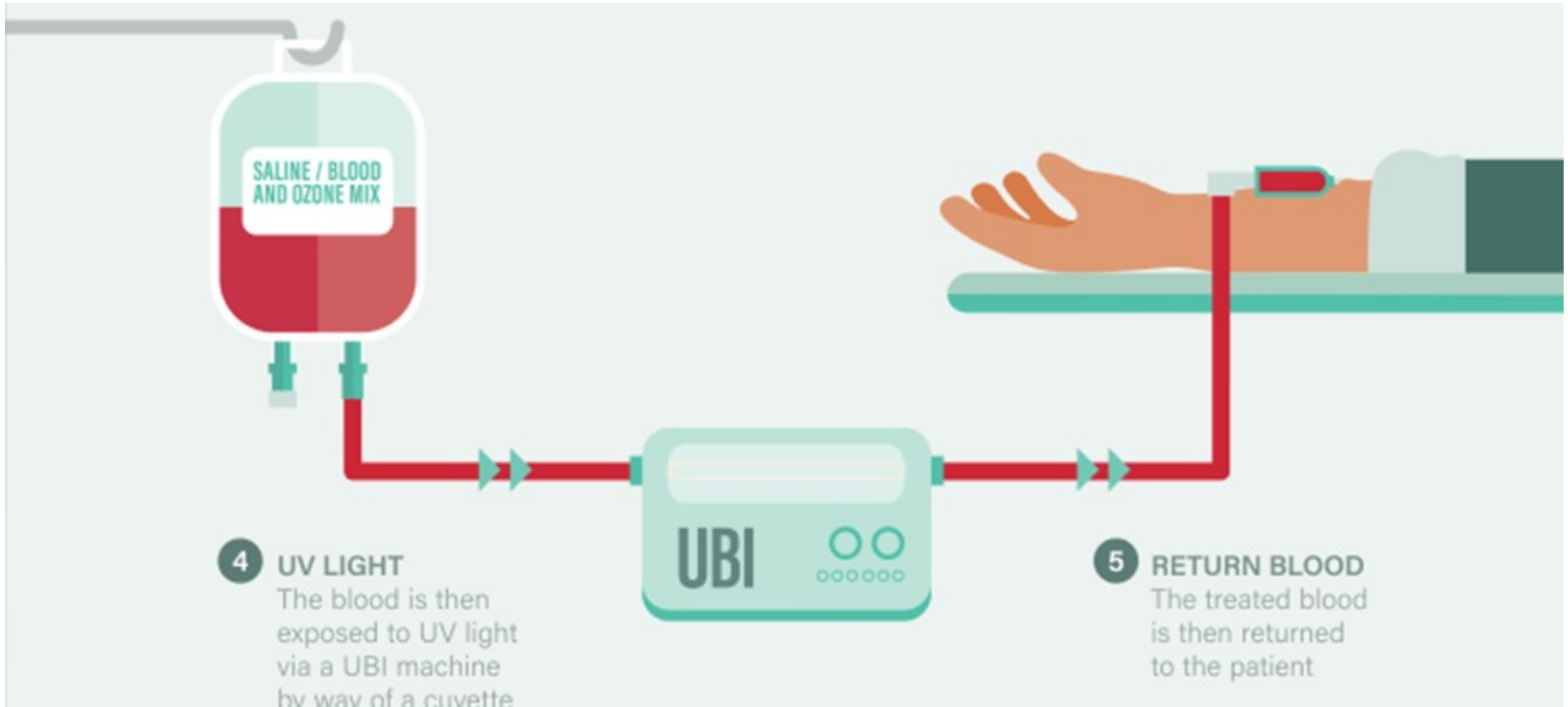
The blood that was drawn from the patient is infused into a bag of saline



3

ADD OZONE

Ozone is then infused into the bag containing the blood and saline mixture



What You Need to Administer O3UV



EQUIPMENT

1. Ozone Generator with Regulator
2. UV Light Machine
3. Cuvettes

MEDICAL SUPPLIES

- IV Starter Supplies
- Medical Grade O2
- Heparin
- Saline
- 60 CC Syringe Plunger



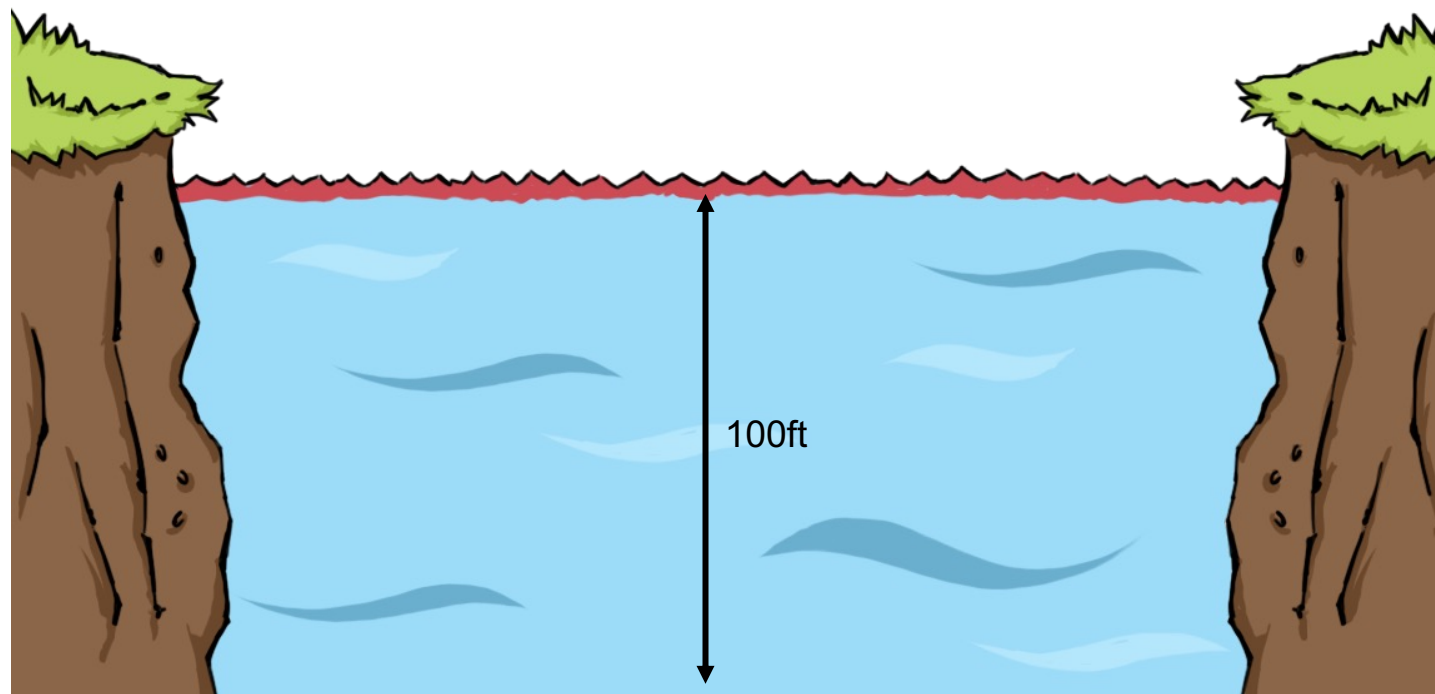
The Equipment and Cuvettes



The Right Equipment is Essential

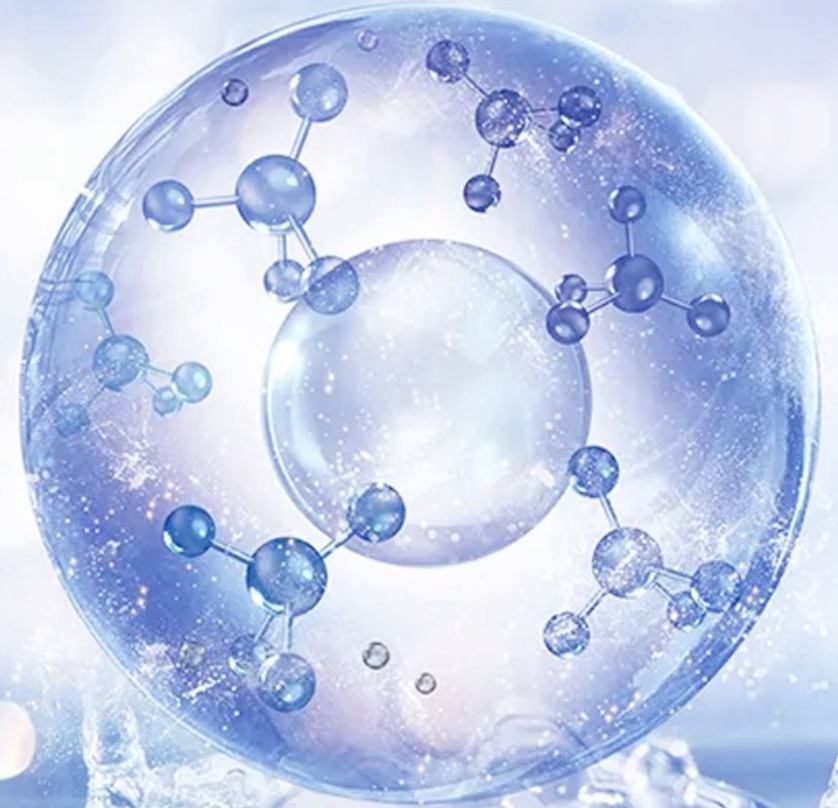


- Studies show that UV light can only penetrate 30 Microns deep (5 blood cells)
- Say the blood you are treating in the cuvette was a river 100 feet deep. Your UV light is penetrating 1 foot of that river.





Problem #1 Solved
Successful Outcomes



Dr Williams runs a large clinic with 70+ employees



HERO OF THE MONTH

Dr. Noel Williams understands that any condition or health issue, whether simple or complex, is stressful and overwhelming to patients, and they want someone to hear them and make them feel safe and secure. And for Dr. Williams, caring for a patient is more than treating a diagnosed condition. It is personal. It is about being sincerely compassionate and making a special connection with each patient. And that attitude resonates as he takes the time to sit, listen, and then provide comprehensive and complex care through a kind explanation, sincere empathy, and a relentless drive to improve them. **This is why he is our Hero of the Month.**

Dr. Williams developed his care to combine all modalities, including allopathic, nutrition, homeopathic, regenerative, and cellular medicine. And he extensively uses Ozone/UBI in his treatment plans, giving his patients eight sessions of Ozone/UBI therapies and combining them with

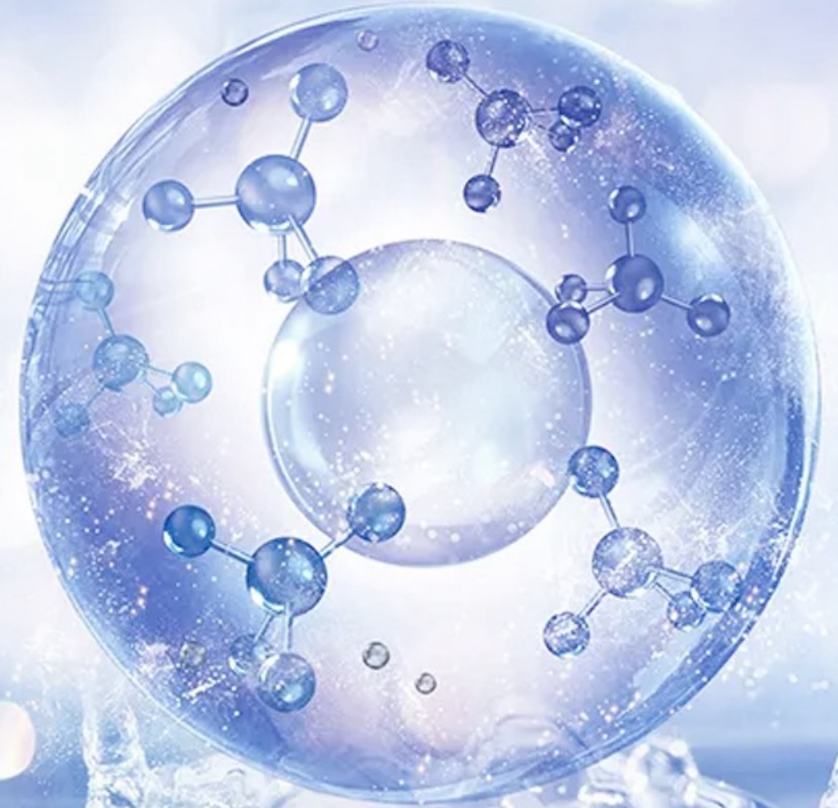
nutritional IVs, hormones, and Human Cellular Tissue Matrix products. Specifically, Dr. Williams gives the eight sessions to his patients suffering from COVID long-haul, autoimmune disease, chronic fatigue with negative work up, and potential non-responsive chronic illness because of the "unbelievable positive" responses he sees with it.

Dr. Williams has seen some fantastic results by including ozone and UBI. One notable result was a 50-year-old man who contracted COVID, and for three months, he was on a ventilator on 4-6 liters of O₂, firmly disabled. Then, after two treatments of MAH, he was taken off the ventilator and breathing on his own. And after four treatments, he was able to walk, started to exercise, and considered returning to work. For the first time, he said he felt almost "normal" again.





Often Unknown Factors



Glutathione is Highly Unstable



*Highly unstable molecule that oxidizes very quickly

*The key player in its antioxidant function is the cysteine residue, which contains a thiol group (SH) susceptible to oxidation.

For IV

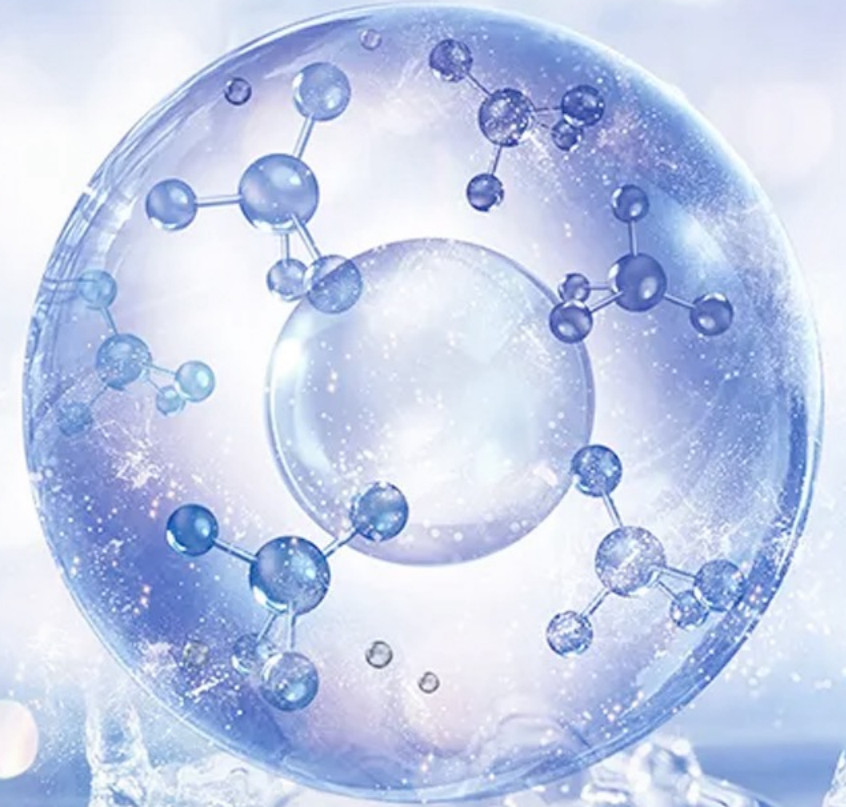
- Use a pharmacy that does not make large vats that sit for long periods
- Use a pharmacy that tests their GSH often
- Very careful to not aspirate vial
- Do not let it sit in the IV bag or prep syringe for push

For Oral or Topical

- Encapsulate in fat
 - May degrade in digestion
 - Better topical carrier as well



Types of Applications



Injectable Ozone for Aesthetics



Yoo Direct Health are the EXPERTS!

- LOW Concentrations
- Low volume
- Use procaine to numb
- Reduce risk of infection
- Generate healing and regenerative capacity

IV Dosing Protocol



Titration is advised for everyone!

Healthy

- Start 8400 mcg of ozone
- Jump to HD (25,000-70,000 mcg) or EBOO (150,000 mcg)

Mid-Range (Consider Oxidative Stress factors)

- Start 4200 mcg of ozone
- Titrate over 2-3 treatments to get to HD or EBOO

Chronic – A different discussion



Option 1

- Ozone/ UV
- 250ml Saline
- Meyer's Cocktail (less than 20G C - Antioxidant)
- 1-3G Glutathione Push

Option 2

- Ozone/ UV
- 250ml Saline
- 30-100mg Methylene Blue
- 1-3G Glutathione Push

Option 3

- Ozone/ UV w/ MB Piggy Back
- 250ml Saline
- Meyer's Cocktail (Antioxidant + 2ml Procaine)
- 1-3G Glutathione Push

Anti-Aging IV Protocol



Stay Young

Look and feel younger with IVC. Necessary for collagen production to not only tighten skin but also cushion joints. Vitamin C and glutathione offer anti-aging benefits like no other.

- Carrier: 250ml SWI
- 1ml - BComplex
- 1ml – B12
- 1ml – B5
- 1ml – B6
- 4ml – CaGl
- 4ml – MgSul
- 5ml – Molybdenum
- 2ml – MIT-5
- 4ml – KCl
- 2ml – Selenium
- 10ml – SodBicarb
- 2ml – Zinc
- 15ml - VitC

Anti-Aging Push - 30ml Syringe – 1508 OSM

13ml - SWI

4ml – VitC

1ml – B6

1ml – B5

2ml – B12

1ml – Bcomplex

2ml – SodBicarb

1ml – CaGluc

5ml – MgCl

Skin Support

1) 1/2 ml Methyl cobalamin (5 mg/ml or 10 mg/ml)

1/2 ml B-complex

1 ml Dexpanthenol (250 mg)

1/2 ml Vitamin C (250 mg)

1/2 ml 2% Procaine OR 2% Lidocaine

2) 1 ml Glutathione (200 mg)

1 ml 2% Procaine or 2% Lidocaine

Treatment Plan Breakdown



1	Classic Myers (10G C) + GHS (500mg)	7	Methylene Blue (50 mg)
2	O3UV (8400 mcg ozone) + Procaine	8	O3UV (84,000 mcg) + Procaine
3	Myers 2 (20G C) + GHS (1000 mg)	9	Anti-Aging + GHS (2000 mg)
4	O3UV (70,000 mcg ozone) + Procaine	10	O3UV (84,000 mcg) + Procaine
5	Methylene Blue (30mg)	11	Methylene Blue (75 mg)
6	O3UV (84,000 mcg ozone) + Procaine	12	Re-evaluation Consult

Resources



www.O3UV.com

www.promolife.com

www.purO3.com

Marketing/Branding Ideas



Name Ideas:

- OzoLife, OzoPrime, OxyShield, CellSpark, TriO3Zone, RejuvoZone

Fun descriptions:

- Reimagine your wellness routine. Infused with ozone, this innovative [product form] provides a powerful surge of regeneration, promoting healthier cells and a stronger, more resilient you.
- Invest in your cellular future. This cutting-edge [product form] utilizes ozone to optimize cellular function, reduce oxidative stress, and support a healthier, more vibrant you.
- Breathe new life into your body. This innovative product delivers supercharged oxygen to revitalize cells, tissues, and organs, boosting your energy, performance, and promoting long-term health.
- Super-Charge Me!