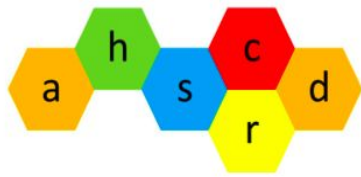




Medical Alliance WMA & BioMed



Natural Therapies as
Anti-Viral (Covid-19)
Boosters



An antiviral drug must be able to target the specific part of a virus's life cycle that is necessary for it to reproduce. In addition, an antiviral drug must be able to kill a virus without killing the human cell it occupies. And viruses are highly adaptive. Because they reproduce so rapidly, they have plenty of opportunity to mutate (change their genetic information) with each new generation, potentially developing resistance to whatever drugs or vaccines we develop.

Many countries announced that they will invest to develop antiviral medications to treat COVID-19 and to prepare for future pandemic threats. All these researches will be used to speed up the development and testing of antiviral drugs that are already in clinical trials, and for additional drug discovery with a focus on medications that can be taken by mouth.

While COVID-19 vaccines remain central to protection, antiviral medications may be important for people whose bodies do not mount a strong response to the vaccine, who experience breakthrough infections, and for those who are unvaccinated. There is an alternative to eliminate viruses and to enhance the immune defense.



A so-called Anti-Virus-Therapy has 6 strong “attack levels”:

1. (direct) Elimination of the virus infection – of the pathogen virus

2. Elimination of Microorganisms in general (viruses, bacteria, fungi and other parasites)

3. Enhancement of the Immune System (immune defense)

4. Enhancement of the natural Detoxification

5. Reduction of any kinds of Inflammation

6. Reduction of social-psychologic stress

6 Attack Levels of Anti-Virus-Therapy

Reduction psychol. Stress

- Lifestyle Coaching (Food Control, Movement, Stress Management)
- Systemic Hyperthermia
- iv-Laser and Systemic LED Irradiation

Destruction of microorganisms

- Ozone Therapy
- Systemic Hyperthermia
- iv-Laser and Systemic LED Irradiation
- Artesunate Therapy
- Anti-viral and Immune Boosting (NADH, Curcumin, Resveratrol, EGCG etc.)
- Lifestyle Coaching (Food Control, Movement, Stress Management)

Special Anti-Viral Therapies

- Ozone Therapy
- Systemic Hyperthermia
- iv-Laser and Systemic LED Irradiation
- Artesunate Therapy
- Anti-viral and Immune Boosting (NADH, Curcumin, Resveratrol, EGCG etc.)
- Lifestyle Coaching (Food Control, Movement, Stress Management)

Detoxification (sytemic)

- Systemic Hyperthermia
- Ozone Therapy
- Selected iv therapies (NADH, Curcumin, Resveratrol, EGCG etc.)

Enhancement Immune System

- Ozone Therapy
- Systemic Hyperthermia
- iv-Laser and Systemic LED Irradiation
- Artesunate Therapy
- Anti-viral and Immune Boosting (NADH, Curcumin, Resveratrol, EGCG etc.)
- Lifestyle Coaching (Food Control, Movement, Stress Management)

Reduction inflammations

- Ozone Therapy
- Systemic Hyperthermia
- iv-Laser and Systemic LED Irradiation
- Selected iv therapies (NADH, Curcumin, Resveratrol, EGCG etc.)



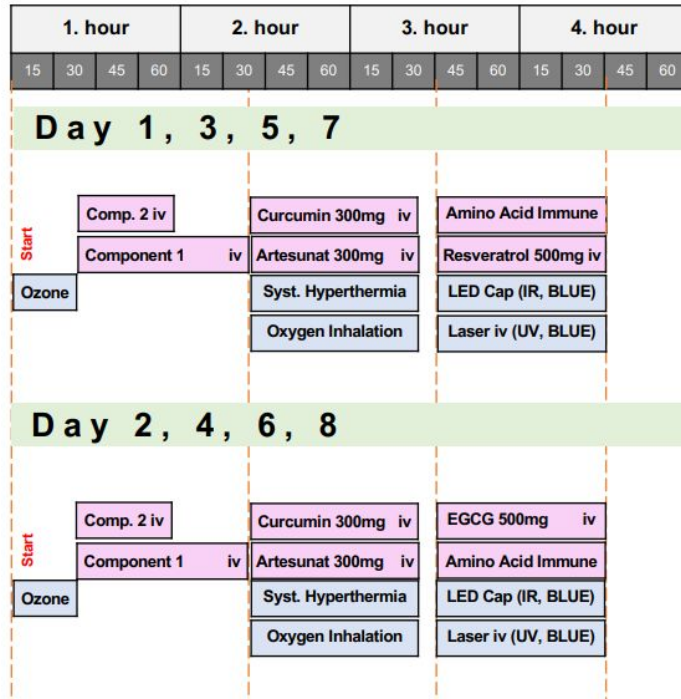
We can concentrate the treatment concept on 3 physical therapies:

- Ozone
 - Hyperthermia
 - Laser and LED
- and 6 infusion therapies:
- Artesunate
 - NADH
 - Curcumin,
 - Resveratrol
 - EGCG
 - Special Anti-Viral Cocktail

Immune & Covid - Therapy Program

Protocol Scheme for Immune and Covid Therapy

8 treatment days within 4 weeks (36 hours)



The treatment concept concentrates on 3 physical therapies:

- Ozone
- Hyperthermia
- Laser and LED

and 6 infusion therapies:

- Artesunate
- NADH
- Curcumin,
- Resveratrol
- EGCG
- Special Anti-Viral Cocktail

In the correct sequence and parallel combination of the individual treatments, effective synergy effects are created.

Immune & Covid-Therapy Program

Program Course:

8 treatment days, 2 x week,
total 4 weeks

Single Treatments:

- Ozone Therapy 8 x (200µg/ml)
- Systemic Hyperthermia, 8 x (80 – 100%) 45 - 60min
- Intravenous Laser (Blue/Ultraviolet) and LED Whole Body (Blue/Red)
- Oxygen Inhalation (during Hyperthermia), 5ml/min 60min
- Artesunate 8 x (300mg/250ml NSS)
- Curcumin, 8 x (300mg/200ml NSS)
- Resveratrol 4 x (500mg/250ml)
- Amino Acid Complex 8x (50ml/100ml NSS)
- iv comp. 1 of Anti-Viral & Immune Booster, 8 x
- iv comp. 2 of Anti-Viral & Immune Booster, 8 x

Immune & Covid-Therapy Program

Program Protocol Day 1, 3, 5, 7:

1. Ozone Therapy (200µg/ml)
2. Parallel (simultaneous treatments):
 - Anti-Viral Component 2 (NADH, Nicotinamide Adenine Dinucleotide, 100mg in 100ml Sodium Chloride (NSS). Total: 105 mlAfter 10min start of component 2
 - Anti-Viral Component 1 (High Doses Vitamin B Complex, Alpha Lipoic Acid, N-Acetyl-Cysteine, Potassium Chloride, Magnesium Sulfate, Sodium Bicarbonate in 120ml Sodium Chloride (NSS), Total 200ml)
3. Parallel (simultaneous treatments):
 - Systemic Hyperthermia, 45 – 60 min, 80 – 100%
 - Oxygen Inhalation, 5l/minparallel iv:
 - Curcumin, 300mg in 200ml NSS
 - Artesunat, 300mg in 100ml NSS
4. Parallel (simultaneous treatments):
 - LED Whole Body Irradiation (BLUE, RED), 45 – 60 min
 - Intravenous Laser Irradiation (BLUE. ULTRA VIOLET)parallel iv:
 - Resveratrol, 500mg in 200ml NSS
 - Amino Acid Complex Immune, 50ml in 50ml NSS

Immune & Covid-Therapy Program

Program Protocol Day 2, 4, 6, 8:

1. Ozone Therapy (200µg/ml)
2. Parallel (simultaneous treatments):
 - Anti-Viral Component 2 (NADH, Nicotinamide Adenine Dinucleotide, 100mg in 100ml Sodium Chloride (NSS). Total: 105 mlAfter 10min start of component 2
 - Anti-Viral Component 1 (High Doses Vitamin B Complex, Alpha Lipoic Acid, N-Acetyl-Cysteine, Potassium Chloride, Magnesium Sulfate, Sodium Bicarbonate in 120ml Sodium Chloride (NSS), Total 200ml)
3. Parallel (simultaneous treatments):
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 - Oxygen Inhalation, 5l/minparallel iv:
 - Curcumin, 300mg in 200ml NSS
 - Artesunat, 300mg in 100ml NSS
4. Parallel (simultaneous treatments):
 - LED Whole Body Irradiation (BLUE, RED), 45 – 60 min
 - Intravenous Laser Irradiation (BLUE. ULTRA VIOLET)parallel iv:
 - EGCG, 500mg in 200ml NSS
 - Amino Acid Complex Immune, 50ml in 50ml NSS



Brief Information Physical Therapies

Heat Therapies

Hippocrates
(2500 years ago):

Give me the power
to create fever and
I will heal any
kinds of illnesses.





Hyperthermia

Heat Therapies (Hyperthermia) – brief Introduction (principles)

During the evolution of vertebrae, from fish to amphibians, from birds to mammals, the development of a warmth organism, or warmth organization can be observed, through which the organism becomes gradually independent from temperatures of the surroundings. In humans, the regulation of body temperature is most developed. Especially in humans, the blood flow through the skin is more developed than in any other mammalian organism, and serves the regulation of body temperature through vasoconstriction and vasodilatation, and through production and perfusion of sweat by the sweat glands. Missing a thick layer of hair (fur), the human body is very open to changes of temperature in the environment.

Therefore, in order to maintain a stable core temperature, the human organism must be able to adjust to changes in temperature quickly, easily and effectively. Isothermia and augmentation of adaptation to changes in temperature are evolutionarily connected with the development of the circadian rhythm of the core temperature. In addition, the exchange of warmth between core temperature and the temperature of the environment, or periphery, or skin is another example for the augmentation of the possibilities to maintain a stable core temperature.

Newborns have not yet developed a functioning circadian rhythm. Only after about 4 weeks, day rhythms start to occur. In adults, the circadian rhythm forms a sinus curve with maxima and minima around 6.00 o'clock a.m. and p.m. The amplitude is usually around 0.6°C. In cancer patients, and patients with other chronic diseases, like chronic viral infections and degenerative diseases, not only the circadian rhythm of the core temperature changes significantly and becomes chaotic, but also the amplitude becomes flat and the delicate interaction between core and peripheral temperatures is Disturbed.

In the last two decades of the 20th century, a better understanding of the effects of fever has lead to a renewed interest in the immunological effects in acute and chronic diseases. Various organs need a specific temperature to function optimally. The average resting temperature gradient between core temperature and the periphery (skin) is usually from 37°C to 34°C at room temperature. The inner organs do not have equal temperatures either. Depending on their metabolic activities and blood perfusion, each inner organ has a different and changing core temperature by itself (kidneys, liver, lungs, testicles, etc.). The only exception might be the mid-brain with its hypothalamus, where functions like breathing, hunger and thirst, sexuality, blood pressure and body temperature are regulated. Here, the core temperature is kept very constant at approximately 37°C. Of all regulatory systems, the warmth regulation is one of the most developed ones, expressing its importance for the overall survival of the individual.

Transpiration is the visible and invisible mechanism of giving off warmth through the skin to the environment. Sweating is the intensified and noticeable form of transpiration. However, transpiration and sweating only leads to cooling if the water can be evaporated. Evaporation is one of the most effective ways to get rid of excessive warmth. Evaporation is stimulated by airflow. If there is no airflow, a thin layer of water (sweat) will cover the skin and evaporation becomes almost impossible. In case of Whole Body hyperthermia, airflow is carefully inhibited, sweating is increased and thus, the loss of warmth is put to a hold and the body temperature rises, producing fever. Peripheral vasodilatation and increased blood flow will bring more blood to the surface (skin) and the warmer the skin, the better the loss of warmth through radiation of infrared waves (5,000 to 20,000nm). High-gloss aluminum folia will reflect these infrared waves and bring about an increase of the body temperature in Whole Body Hyperthermia.

There are several methods to increase the core body temperature, ranging from hot water and paraffin baths, sauna and sauna-alike settings, extracorporeal warming of the blood, high-frequency waves and infrared radiation. In the electro-magnetic spectrum, infrared waves are the first invisible waves next to visible light. The radiation of infrared waves is a characteristic of all bodies above the absolute zero point. In nature, the sun is the most effective source of infrared radiation, supporting all life processes on earth. Most of all, short-wave infrared radiation penetrates through the skin and reaches the blood flow under the skin. Through this mechanism, the local blood temperature is increased, spreading the warmth throughout the body and causing the core temperature to rise.

Systemic Hyperthermia



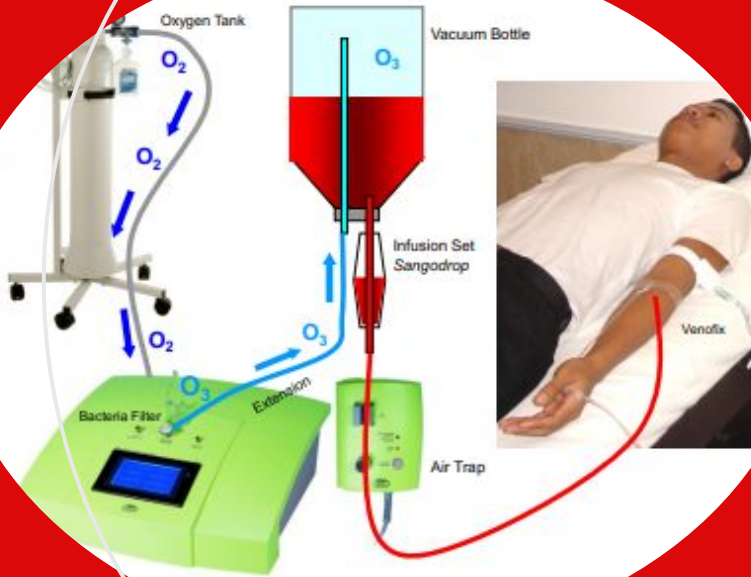
In this procedure the whole body is softly heated to 38,5°C – 39°C via water cooled infra-red-A radiation.

In total relaxation, the patient lies on a translucent net and the entire treatment is comparable to a pleasant sauna bath. Hyperthermia can be used for different diseases as a monotherapy; more frequently, however, hyperthermia is used in combination with other biological procedures. Systemic hyperthermia considerably supports the healing process of the following conditions:

- Immune Booster effect (Enhancement of NK cells), Cancer
- Rheumatic Diseases, MS, ALS
- Asthma and respiratory diseases
- Muscle spasms and pain
- Blood circulation anomalies
- Diabetes
- Skin diseases and allergies
- Stress and Burn-out syndrome and fatigue
- Anti-aging and beauty programs

Ozone (O₃) Therapy

Ozone therapy is a procedure in which the patient's blood is mixed with ozone and oxygen extraneously and subsequently reinfused. The ozone generates a number of effective reactions in the blood – it has been demonstrated scientifically that ozone provides additional oxygen for cell respiration. Furthermore, through catalytic action, the ozone develops various substances (e.g. peroxide) which, inter alia, restrain tumor growth. The enhanced utilization of oxygen also leads to the elimination of hypoxic pain and performance defects.



1. The treatment of diseases produced by viruses such as liver diseases (hepatitis) and herpes. Enhancement of the immune defense.
2. The treatment of circulatory disorders, also in the field of geriatrics
3. The treatment of infected, badly healing wounds and inflammatory processes, such as for example:
 - a) Open ulcers on the legs (ulcus cruris)
 - b) Inflammatory intestinal conditions (Colitis, Proctitis),
 - c) Burns, scalds and infected wounds, fungus infections and others
4. As an additive or complementary therapy in various types of cancer, ozone is applied for general immunoactivation at low dosages in the form of "major autohemotherapy" (re-infusion) or "minor autohemotherapy" (re-injection) via the intramuscular route.

iv Blood Laser Irradiation



Special Effects

- ✓ Optimization of the diabetic metabolic state
- ✓ Stat incomparable influence of hyper-cholesterolemia
- ✓ Significant reduction of pathologically elevated
- ✓ Liver values
- ✓ Reduction in frequency of relapses in chronic inflammatory bowel disease
- ✓ Improvement in general health status and mobility in MS disease
- ✓ Positive influence on intractable pain syndromes
- ✓ -positive influence of tinnitus
- ✓ -Reduction of antihypertensive medication for severe hypertension
- ✓ -positive influence of maculopathy

General Effects

- ✓ Stimulation of the immune system and macro-phage activation
- ✓ Significant improvement in overall performance
- ✓ Improvement in sleep and vigilance
- ✓ Positive effect on the general mood
- ✓ Reduction of drug consumption

Single Indications

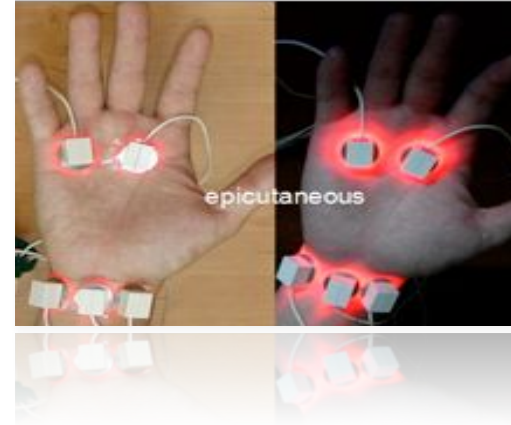
- ✓ Photodynamic cancer therapy in combination with different photosensitizers (PDT)
- ✓ Diabetes mellitus
- ✓ Chronic liver, kidney and Lyme disease
- ✓ Dyslipidemia
- ✓ Heart disease
- ✓ Chronic pain syndromes
- ✓ Allergies and eczema
- ✓ Performance enhancement in sport
- ✓ Polyneuropathies
- ✓ Fibromyalgia, Rheumatism
- ✓ Hypertension
- ✓ Tinnitus
- ✓ Macular Degeneration
- ✓ Multiple Sclerosis
- ✓ Depression, Burn-out syndrome, CFS (chronic fatigue syndrome)



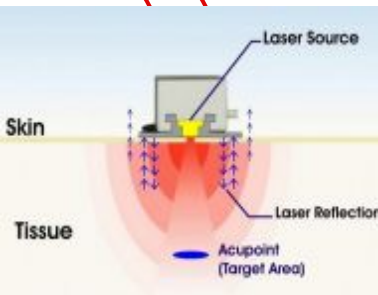
Transcutaneous Blood Laser Irradiation

Transcutaneous (Epicutaneous) Blood Laser Irradiation

In addition to the invasive method of intravenous laser blood irradiation (IV, LBI) non-invasive epicutaneous laser blood irradiation (ELBI) is also available. This non-invasive and relatively simple method of blood irradiation has been taken into use only after development of bright enough red and infrared lasers. It was shown that infrared radiation can go deep enough to reach vessels and irradiate blood. In addition, red laser light can also influence blood in superficial veins. Currently semi conductor laser diodes with red (630-670nm) or near infrared (800-1300nm) light emission are used to perform ELBI therapy.



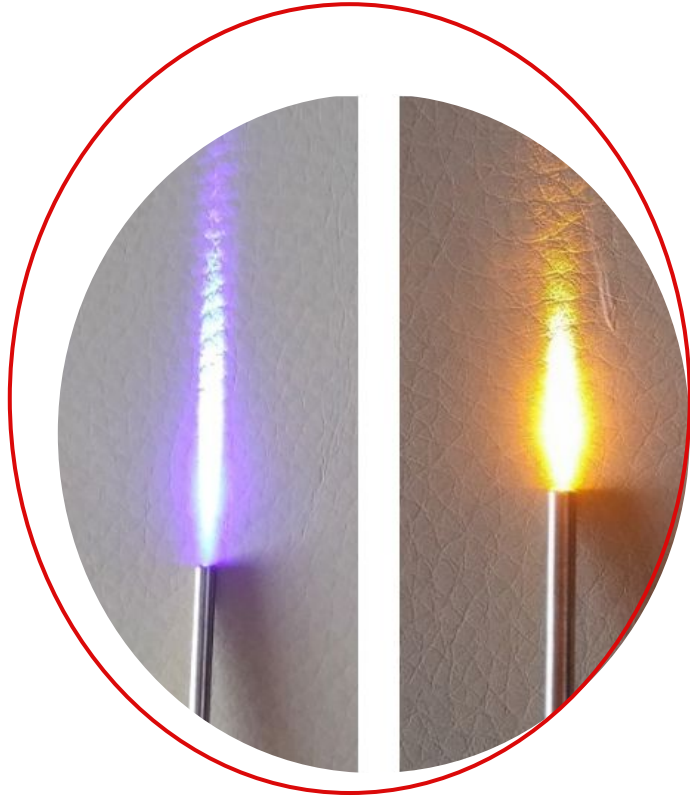
Recent studies suggested that the medical effects of ELBI are similar or very close to the effects of IV LBI. It is believed that the treatment results of 20mW red laser ELBI are similar to 1mW red laser intravenous blood irradiation. Laser light is delivered to the skin in the area of a large vein or artery through a special light-guide. Contact of the light-guide with the skin with some pressure can increase penetration of the light.



The biggest advantage of ELBI is that this method of blood irradiation is painless. Another important issue is that the need for intravenous injection is completely eliminated. This is why ELBI has the greatest advantage for the treatment of children or patients with bad vessel conditions (small or difficult to find deep veins).

The first manufacturer to produce a taping laser head with patents: the applications of taping laser in Laser Acupuncture Therapy, Trigger Point Therapy have been regarded as the most effective method of LLLT (Low Level Laser Therapy) at present by master experts, and will surely replace some applications of laser probes.

Blue and Yellow Laser



The blue laser has very positive effects on our immune system. Furthermore, wound healing is improved significantly. There is also a strong anti-inflammatory and anti-bacterial effect as well as positive influence on hormone harmonization and pain reduction. It improves cell perfusion and oxygen uptake. The biochemical mechanisms are quite complex. However, there is an improvement of ATP metabolism (leading to more cell energy) and positive influence on hemoglobin nitric oxide (HbNO) release after blue laser blood irradiation.

- Stimulates complex I of the mitochondrial respiratory chain (NADH dehydrogenase complex).
- It has very strong **anti-viral and anti-bacterial effects** by destroying micro organisms of all kinds in the blood (by absorption of bacterial porphyrins and by production of reactive oxygen species).
- Releases NO from the NO-Hb of micro circulation (Nitric Oxide).
- Can be used for photodynamic tumor therapy in combination with Curcumin as photosensitizer.
- **Can be used for anti-microbial photodynamic therapy (for bacterial, viral and parasitic diseases) in combination with Riboflavin as photosensitizer.**

Ultraviolet Laser

Ultraviolet blood irradiation (UBI or UVB) is an intravenous therapy that represents a safe, non toxic, low cost and drug-free method of treatment for most blood-borne viruses and offers hope to those who suffer from viral infections and related conditions. UVB / UBI is a procedure that exposes the blood to specific ultraviolet light to enhance the body's immune response and to fight infections, and can be used clinically as an immune modulating therapy in cases such as psoriasis, lymph cancer, chronic infections, chronic fatigue, auto-immune diseases, and much more.

Pathogen deactivation by the UV laser (Pathogens have a higher susceptibility to UV light irradiation):

- The antimicrobial effects of UV light results from increased production of toxic reactive oxygen species (ROS) and delayed pathogen replication
- UV light exposure primarily promotes sub-lethal effect, which stops replication and increases the pathogens susceptibility to immune degradation
- Pathogen damage permits the release of antigens in which the immune system can build highly specific antibodies to the pathogen strain
- Cell DNA sequence is interrupted and pathogen ability to bind is interrupted

Also known as photoluminescence, hemo-irradiation, photodynamic therapy, and oxidative phototherapy, it was first introduced in the 1930's to combat the polio virus. The therapy was then extensively used in the 1940's and 1950's with medical conditions including pneumonia, tuberculosis, and even cancer. The advent of antibiotics lead to a decline in the use of UVB as a treatment option. Now, with the increasing incidence of antibiotic resistant infections and a desire for more natural therapies, ultraviolet blood irradiation therapy is enjoying a type of rebirth and a very useful oxidative therapy.

Benefits of UVB

Experience has shown that ultraviolet blood irradiation can strengthen the immune system and improve overall health. Ultraviolet blood irradiation has been shown to have the following therapeutic benefits:

- Increases oxygen absorption into body tissues
- Destroys fungal, viral, and bacterial growth
- Improves circulation and decreases platelet aggregation
- Improves circulation by dilating blood vessels
- Improves the body's ability to detoxify and inactivate or remove toxins
- Activates cortisone-like molecules, sterols, into vitamin D
- Restores normal size and movement of fat elements

LED Irradiation - ELBI



Transcutaneous (Epicutaneous) Blood Laser Irradiation

In addition to the invasive method of intravenous laser blood irradiation (IV, LBI) non-invasive Epicutaneous Laser/LED Blood Irradiation (ELBI) is also available. This non-invasive and relatively simple method of blood irradiation has been taken into use only after development of bright enough red, blue and infrared LEDs and lasers. It was shown that infrared radiation can go deep enough to reach vessels and irradiate blood. In addition, red laser light can also influence blood in superficial veins. Currently semi-conductor laser diodes with red (630-670nm) or near infrared (800-1300nm) light emission are used to perform epicutaneous Laser/LED therapy

Recent studies suggested that the medical effects of epicutaneous laser are similar or very close to the effects of IV LBI. It is believed that the treatment results of 20mW red laser ELBI are similar to 1mW red laser intravenous blood irradiation.

Laser light is delivered to the skin in the area of a large vein or artery through a special lightguide. Contact of the light-guide with the skin with some pressure can increase penetration of the light. The biggest advantage of ELBI is that this method of blood irradiation is painless. Another important issue is that the need for intravenous injection is completely eliminated. This is why ELBI has the greatest advantage for the treatment of children or patients with bad vessel conditions (small or difficult to find deep veins).



The
Strongest
iv immune
booster

NADH / NAD⁺

Nicotinamide adenine dinucleotide

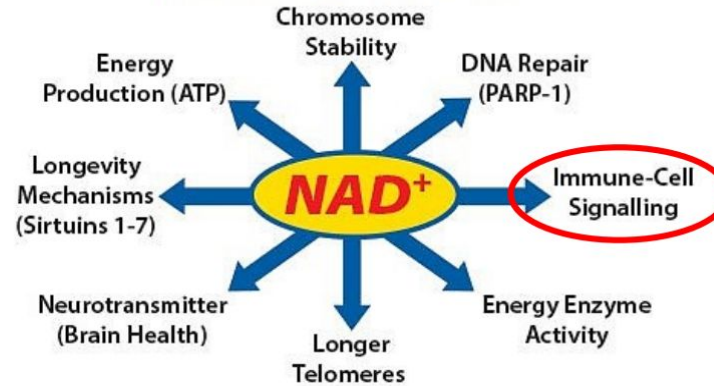
NAD⁺ is an essential cofactor in all living cells that is involved in fundamental biological processes and is an essential component of energy production (mitochondrial function):

Benefits for Metabolic Functions

- Increases energy levels
- Decreases fatigue
- Restores muscle function and athletic performance
- Improves metabolism
- Improve the immune system
- Helps Glucose levels

- Improves brain health and neurological function
- Improves mental clarity
- Improves brain regeneration
- Improves focus and concentration
- Boosts mood
- Improves memory

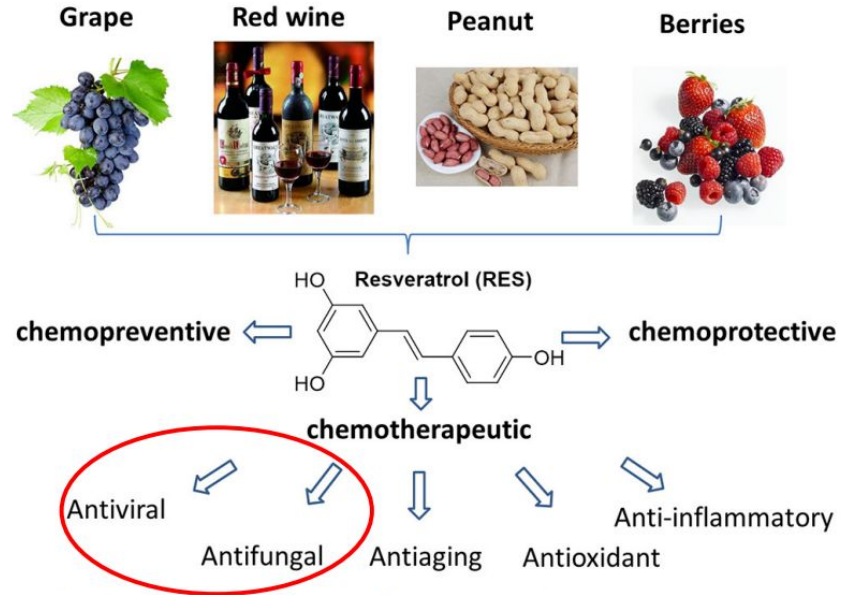
Life Sustaining Benefits of NAD⁺



- DNA repair
- Cell repair
- Turns Genes on and off
- Maintains neurotransmitter levels
- Communication of cells
- ATP production in cells.

Resveratrol

- Resveratrol is a phytoalexin, a class of compounds produced by many plants when they are infected by pathogens or physically harmed by cutting, crushing, or ultraviolet radiation. Plants that synthesize resveratrol include knotweeds, pine trees including Scots pine and Eastern white pine, grape vines, peanut plants, cocoa bushes, and Vaccinium shrubs that produce berries, including blueberries, raspberries, mulberries, cranberries, and bilberries.



- Resveratrol is a polyphenol naturally found in the skin of red grapes, certain berries, and other plants. Recent research has shown that Resveratrol can help to support healthy cardiovascular function.
- Resveratrol is best known for its cellular anti-aging properties, as well as for its ability to promote a healthy response to biological stress. Directions Suggested Usage: 3 x per week infusion.
- BioMed's iv product has a Mega Potency for cardiovascular support.

Vitamin C (iv high doses)

and special cold filtered sterilization

Studies have shown that vitamin C can increase both the production and function of white blood cells, which are essential for optimal immune function. Therefore, high-dose IV vitamin C therapy can have a significant impact on the prevention and treatment of infections.

The Vitamin C IV preparations available on the market are usually sterilized with auto-clave method which causes the Vitamin C to oxidize, so i. e. there is therapeutically no effect.

BioMed Laboratories uses the cold-filtration methods with 0.2 micron filters to ensure active Vitamin C in every infusion.



Vitamin C boosts your blood's antioxidant



Vitamin C has been shown to help reduce blood pressure



Vitamin C treatments may help people who suffer from gout



Vitamin C helps your body absorb iron better



Vitamin C may protect thinking and memory functions



Vitamin C protects pregnant women against prenatal health problems



Vitamin C has been shown to help prevent cataracts



Vitamin C protects skin against wrinkling



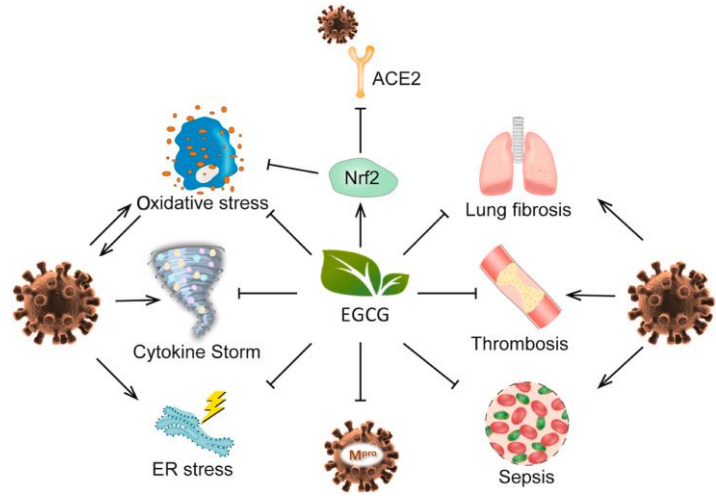
Vitamin C helps reduce mental and physical symptoms of stress



Vitamin C can inhibit the growth of some cancerous tumors

Main Benefits of Vitamin C

EGCG (Epigallocatechin Gallate)



- Additionally, research suggests that catechins like EGCG reduce inflammation and prevent certain chronic conditions, especially acute and chronic infections (viral and bacterial), heart disease, diabetes, and some cancers.
- EGCG exists naturally in several plant-based foods but is also available as a dietary supplement usually sold in the form of an extract.

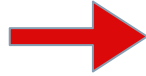
Formally known as epigallocatechin gallate, EGCG is a type of plant-based compound called catechin. Catechins may be further categorized into a larger group of plant compounds known as Polyphenols.

EGCG and other related catechins act as potent antioxidants that protect against cellular damage caused by free radicals. Free radicals are highly reactive particles formed in the body that can damage cells when their numbers get too high.

Anti-Viral & Immune Booster

Component 1

- Vitamin C 15g
- Glutathione red. 600mg
- High Doses Vit B Complex - Alpha Lipoic Acid
- N-Acetyl-Cysteine
- Potassium Chloride - Magnesium Sulfate - add puffer: Sodium Bicarbonate
- Sodium Chloride (NSS) Total 200ml



Component 2

- Nicotinamide Adenine
 - Sodium Chloride (NSS)
- Total max. 100 ml**

Simultaneous Infusion of comp. 1 and comp. 2

Than parallel:

1. Curcumin, 300mg
2. Resveratrol, 500mg