# METHYLENE BLUE WORKS BY CORRECTING THE DEFECTIVE CELLULAR METABOLISM CAUSED BY THE POISON.

Most doctors and nurses administering MB for chemical poisonings and overdoses are not aware that Methylene Blue's value as an antidote extends far beyond oxygenating the blood. It is anti-inflammatory, prevents blood clots, stops and reverses septicaemic shock, and prevents and can reverse lung fibrosis (when nebulised).

#### Protection against spike protein

In 2020, researchers from the University of Miami found that Methylene Blue inhibits the interaction between the SARS-CoV-2 spike protein and its receptor ACE2, suggesting its potential as an antiviral medication for COVID-19.<sup>3</sup>

As a side note, hydroxychloroquine is derived from Methylene Blue.

#### MB Safety Assessment

Methylene Blue increases serotonin and dopamine, therefore it is suggested to avoid taking if using any drugs (SSRI's and MAOI's) or substances that effect serotonin or dopamine.

It is also advised to avoid use during pregnancy or breastfeeding.

This information is for education purposes only. It is not medical advice and is not intended to diagnose, treat, cure, or prevent any disease.

**BluZone** is made using the highest quality pharmaceutical grade methylene blue (USP 39) and is prepared in Ellis distilled and structured water, then packaged in Miron Biphotonic glass.

#### Tesla Scalar Vortex

Miracle Products' BluZone is Dynamically Enhanced using a proprietary advanced technology. Our Tesla Scalar Vortex generator produces Infrared Quantum Sound with 528 Hz and inert Noble Gases, each known to provide specific information and beneficial resonant health effects. This process structures elements into coherent particles, increasing bioavailability and absorption while augmenting the inherent benefits of BluZone, thereby requiring less to be used while enjoying superior results.

#### REFERENCES

<sup>1,3</sup>Bojadzic, D, Alcazar, O, & Buchwald, P (2020). *Methylene blue inhibits in vitro the SARS-CoV-2 spike – ACE2 protein-protein interaction – A mechanism that can contribute to its antiviral activity against COVID-19. University of Miami.* https://doi.org/10.1101/2020.08.29.273441

<sup>2</sup>Telch, MJ, Bruchey, AK, Rosenfield, D, Cobb, AR, Smits, J, Pahl, S, & Gonzalez-Lima, F (2014). Effects of post-session administration of methylene blue on fear extinction and contextual memory in adults with claustrophobia. *American Journal of Psychiatry*, 171(10), 1091-1098. https://doi.org/10.1176/appi.ajp.2014.13101407

Always seek the advice of your medical practitioner or qualified health provider when starting any new medical treatment.

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### **BluZone**

### Methylene Blue Nootropic — The Magic Bullet

**Methylene Blue (MB)** is an organic chloride salt. It is known as the magic bullet due to its uncanny ability to target diseased tissue and concentrate in the brain. It has proved effective for Alzheimer's, dementia, depression, and any brain dysfunction. MB increases cerebral blood flow and acts as an antidepressant.

# Methylene Blue improves memory and is neuroprotective

Unlike other nootropics that work by increasing neurotransmitter synthesis and neural signalling, MB improves memory by dramatically increasing brain cell respiration, which is how the brain cells utilise oxygen. MB also increases cellular glucose uptake, providing more brain and cellular power.

A SINGLE DOSE OF

METHYLENE BLUE HAS BEEN SHOWN

TO IMPROVE MEMORY!

## An antidote for cyanide and other toxic poisoning

Methylene Blue is a known antidote for cyanide poisoning and is used in hospital emergency rooms as the essential remedy for chemical exposures, overdose and *any metabolic poison*. MB is also the first effective anti-malarial drug ever produced.

#### MB, the health shield

Life cycles of parasites, bacteria, fungi and viruses are all in peril when MB is present. Methylene Blue quickly inactivates Herpes, West Nile, Hepatitis C, Ebola, Zika, HIV, Dengue, venoms and COVID and can "effectively eliminate SARS-CoV-2 in vitro within two minutes".

### Methylene Blue protects the brain, nervous and cardiovascular system.

It can prevent a cytokine storm and has antihistamine properties. It has a long history of use for urinary tract infections. Methylene Blue lifts depression and is also shown to be effective for bipolar disorder and psychosis.

## What do all diseases have in common?

Current scientific research shows that all known diseases are characterised by widespread metabolic dysfunction. An array of symptoms will accompany a lack of health.

Regardless of the symptoms, there is only one disease, and the path to recovery is to focus on improving metabolic function within cells.

"The world is catching on to the fact that all disease are metabolic in nature, and that methylene blue selectively targets cells and tissues that have dysfunctional metabolism."

MARK SLOAN
The Ultimate Guide To Methylene Blue



Methylene

Blue

Nootropic

The

Magic

#### MB and brain disorders

A groundbreaking study in 2017 revealed that as the brain ages, its metabolic rate declines, affecting cognitive functions. This decline in metabolism is linked to neurological diseases like Alzheimer's and Parkinson's.

#### Can MB cure dementia?

In 2019, scientists gave Alzheimer's patients Methylene Blue daily while monitoring their brain function.

They witnessed the MB treatment stop the disease.

Treatment with 8 to 16mg of MB daily reduced cognitive decline by 85% over 65 weeks. This is a revolutionary discovery. Neurons *love* Methylene Blue!

Methylene Blue is one of the most powerful mitochondrial optimisers on the plane. It boosts energy levels, enhances memory, improves focus, protects the brain and organs, and so much more.

Some of the excellent benefits of Methylene Blue as an antidote include:

- O Cyanide poisoning and carbon monoxide poisoning
- O Sodium nitrite/nitrate poisoning
- O Formaldehyde poisoning
- O Counteracting the effects of pharmaceutical drugs and anaesthetics
- O Snake venom
- O Chemical poisoning and overdose
- O Binding to and detoxifying heavy metals
- O Counteracting the effects of fluoride found in toothpaste and tap water
- O Acting as a potent antioxidant and antidepressant
- Antimicrobial properties against viruses, fungi, bacteria, and parasites
- Providing protection for the brain, nervous system, and cardiovascular system
- Assisting in repairing cellular metabolism.

#### Methylene Blue, a super oxygenator

Genetic Algorithm (genetic mutation) occurs inside cells, known as hypoxia or insufficient oxygen. MB accelerates cellular oxygen consumption by 70% and restores respiration on the cellular level. Every cell needs to "breathe"—absorb oxygen; and expel waste. When a cell can no longer do this, it will become diseased. MB is adaptive to what the body requires for repair. It both receives and donates electrons to accommodate repair.

## An increase in mitochondria equals more energy and longer life

Longer life and better health are associated with mitochondrial function and number. MB repairs function, and increases oxygen and the number of mitochondria within our cells. It is shown to be thousands of times more potent than all other known mitochondrial protectors. MB increases oxygen in the blood and cells, improving the electrical and metabolic properties. Healthy mitochondria create healthy cellular metabolism, which is the key to a happy, long life.

Our mitochondria use more than 95% of the oxygen that we breathe.

The mitochondria inside your cells use that oxygen to produce energy (ATP). Understanding this is the key to understanding life on our planet!

### MB, a powerful anti-aging nootropic

#### Relief from chronic pain

Dr Ana Marla Mihalcea, President of AM Medical LLC, reports that in some cases, a single dose of Methylene Blue can provide dramatic pain relief for various types of pain. These effects are accumulated with response increasing over time of continued use.

#### DR MIHALCEA REPORTS:

O Cases of instant pain relief with IV Methylene Blue infusion for osteoarthritis

- O Complete pain relief lasting from 8 hours to 1 week
- O Significant improvement in quality of life and mood
- O Improved pain relief with a combination of IV infusion and oral Methylene Blue
- Oral or bi-weekly injections of Methylene Blue improved back and joint pain up to 80% and showed continued improvement over time
- Reduction of opiate use by 75% of baseline four weeks after starting treatment. Some days, patients did not need any pain medication, with continued improvement reported.

METHYLENE BLUE HAS BEEN
IN USE SINCE 1877 WITH NO SIGNIFICANT
ADVERSE EFFECTS OBSERVED.

#### Astounding anti-aging effects

Most patients with Progeria die before they reach maturity because of the disease's increased rate of aging in the body. Hair loss, thin and wrinkled skin, and brittle bones and joints are all signs of the condition, even in children. Scientists from Maryland University discovered that MB can save cells damaged by Progeria. MB can reverse the effects of aging on both the mitochondria and the cell's nucleus.

#### MB can eliminate fear and stress

American Journal of Psychiatry reported testing for the elimination and contextual memory of fear². Methylene Blue has an amazing effect on the synergy between the left and right hemispheres of the brain; you become more imaginative and rational. It demonstrates an uncanny ability to rewire the brain to forget negative associations of a situation while retaining the positive aspects of that memory; this is known as "extinction memory enhancement". Methylene Blue provides more focus and contentment with a remarkable ability to help eliminate fear and stress.

### Ayurvedic uses of MB

Indigo, also known as Indigofera tinctoria, is the plant from which Methylene Blue was discovered. It has

historical use in Ayurvedic medicine for the treatment of fever, liver and spleen disorders, rheumatoid arthritis, gout, ringworm, blisters, removing worms in teeth and gums, sores on skin, liver, urinary problems, antidote for poisons, mouth ulcers or canker sores, kidney disease, rabies and more.

Due to its colour and safety, Methylene Blue is also extensively used for gram staining. Gram staining is one of the most essential methods in microbiology, and it is used to determine cell mortality. When applied to a sample, a healthy cell will turn the stain colourless because the cell's enzymes reduce the Methylene Blue, causing it to lose its colour. If the cell is dead, there will be no reaction, indicating the cell's enzymes have been inactivated.

#### Treatment for poison and overdoses

Methemoglobinemia is a blood disorder that can occur due to poisonings and overdoses. When haemoglobin is oxidised, it cannot carry oxygen, leading to widespread hypoxia, which can be fatal if not promptly treated. The primary treatment goal is to return the haemoglobin to its original, non-oxidised state. Methylene Blue is one of the safest and most effective ways to achieve this rapidly.

#### Methylene Blue converts ferric iron into ferrous iron. Ferrous iron carries oxygen into the blood.

Doctors administer Methylene Blue intravenously to methemoglobinemia patients because it is fast and effective for restoring oxygen to the blood. Methylene Blue acts as an antidote by converting methemoglobin back to haemoglobin, which restores its oxygencarrying capacity. Once oxygen use is restored, health is restored.

Consider that all chemical poisonings induce methemoglobinemia, which Methylene Blue has been FDA-approved to treat. When we know how Methylene Blue can correct the oxygenation of the blood—the root cause of the problem—its value as an antidote for all chemical poisonings becomes obvious.