

Ivermectin for Parkinson's Disease - MS, Stroke, Chronic Pain, Anxiety, Depression, and Schizophrenia? Modulated through P2X4 Receptors

Ivermectin is Anti-Cancer, Anti-Viral, Anti-Bacterial, and Now Neuroprotective

[2nd Smartest Guy in the World](#)

At the end of this article there will be a synergistic protocol which may more potently treat all of the various diseases featured in the following article:

by [Justus R. Hope](#)



We all should know that [Ivermectin](#) is effective not only against River Blindness but can be repurposed against [many different types of cancer](#), [even against metastatic disease](#).

During the 2020 pandemic, [Ivermectin saved many lives worldwide, and not just in the Intensive Care Unit. Ivermectin has also been used to treat Long Covid and Long Vaxxed patients by eminent physicians like Dr. Pierre Kory](#). Some people, like yours truly take Ivermectin weekly for its protective or preventative effects.

When you consider the broad spectrum of its anti-disease activity in combination with its vast safety profile, why would you not?

[Ivermectin](#) is not only anti-parasitic, but it is anti-viral, anti-bacterial, and anti-cancer. But today we know there is more, and much more.

Dr. William Makis recently wrote about how [Ivermectin has properties of promoting remyelination in demyelinating diseases like Multiple Sclerosis](#). However Ivermectin has long been known to [have potential effectiveness against motor neuron disorders like ALS or Lou Gehrig's Disease](#).

[Ivermectin](#) has shown such great promise against ALS, [a patent application was filed by Belgian scientists in 2007](#).

'Use of [ivermectin](#) and derivatives thereof for the treatment of amyotrophic lateral sclerosis' (Publication No.: WO/2008/034202A3), to cover 'the use of ivermectin and analogs, to prevent, retard and ameliorate a motor neuron disease such as amyotrophic lateral sclerosis and the associated motor neuron degeneration'

There is emerging evidence that [Ivermectin](#) may be effective not just against ALS, but against a variety of neurological disorders including Parkinsonism, a disease that many link with the mRNA injections.

[Courtesy FLCCC Substack](#)

[Ivermectin](#) exerts much of its neuroprotective effects [by modulating P2X4](#).

"Because of its action on P2X4 receptors, [ivermectin](#) has potential with respect to preventing alcohol use disorders^{[92](#)} as well as for motor neuron disease.^{[93](#)}"

As an aside, [ivermectin](#) reverses the effect of alcohol on P2X4 and has [the potential to reduce cravings and consumption of alcoholic beverages in those afflicted with substance use disorder](#).

However, back to neuroprotection.

"[Ivermectin](#) (IVM), a positive modulator of P2X4Rs, [enhanced levodopa \(L-DOPA\)-induced motor behavior](#). Thus, IVM is increasing striatal dopamine release [through enhanced cholinergic activity on dopamine terminals](#)."

If it is neuroprotective, and the evidence is growing that it is, and humanity is being bombarded with various toxins and [electromagnetic frequencies each day that compromise our nervous system](#), perhaps there is reason to consider [Ivermectin](#) as a neuro-protective repurposed drug worthy of use during this dangerous time in our history.

[Ivermectin's](#) main mechanism of action in neuroprotection seems to be its [stabilization of P2X4 receptors](#).

"[Ivermectin](#) is a positive allosteric modulator of P2X4 that stabilizes this subunit in the open state [\[20\]](#), which consequently may also prevent P2X4 internalization [\[21, 22\]](#)."

Why is the stabilization of P2X4 so important?

Because overexpression of P2X4 is not only a disease driver in ALS and Parkinsonism, it plays a key role in many other diseases including [Multiple Sclerosis](#), [Alzheimer's Disease](#), [Chronic Neuropathic Pain](#), [Migraine](#), [Epilepsy](#), [Alcohol Use Disorder](#), [Depression](#), [Bipolar](#), [Schizophrenia](#), and [Anxiety](#).

Or to put it more technically, [this study explains the pathological role of P2X4](#):

"In various pathological states, such as trauma, ischemia, chronic pain, neurodegenerative processes, and several neuropsychiatric disorders, *de novo* expression of P2X4 and/or an increase in cell surface P2X4 density has been reported in microglia and/or neurons, thus suggesting possible key and multiple roles of neuronal and microglial P2X4 receptors in the establishment and/or maintenance of these

pathologies [25]. Changes in the intracellular expression of P2X4 may also have important consequences in the pathophysiological context."

The following study on the effect of allosteric modulators on P2X4 - like [Ivermectin](#) - highlighted its potential effectiveness in neuroprotection.

"Collectively it appears that there is good evidence that positive allosteric modulation of P2X2, P2X4, and P2X7 receptors [may be of therapeutic benefit in a number of different conditions summarised in Figure 2](#). It is also clear that there may be endogenous molecules, particularly in the central nervous system, that could act as positive modulators to enhance the action of the physiological agonist ATP (e.g., neurosteroids on P2X2 and P2X4)."

[Ivermectin](#) may not just be the anti-parasitic, anti-cancer, anti-viral repurposed drug we recognize but may have multiple other neuroprotective benefits for humanity in an era where we all may be subjected to neurotoxins - some apparent, and others invisible - like [EMF](#).

No article written in 2024 discussing the importance of neuroprotection and the harms of the mRNA program would be complete without mentioning this interview given by [Jim Ferguson with Dutch scientist, Dr. Robert W. Gorter](#):

"[A highly educated top doctor](#) and professor at seven universities, who is a senior virologist, epidemiologist, oncologist, and immunologist, has warned that graphene oxide is present in mRNA vaccines.

Professor Dr. Robert W. Gorter, who has received death threats from individuals linked to Big Pharma, has had to employ specially trained security officers and personal bodyguards because his research has exposed a truly evil plan that is being implemented.

He has provided concrete evidence of graphene oxide in the Pfizer vaccines, among others, and is warning that there is a way to track the vaccinated using 5G and particularly 6G masts.

This technology, being constructed across the planet in every major town and city, is actually linked to mass surveillance systems controlled by an extensive surveillance grid powered by AI technology.

Even more alarming is the ability to use [drone technology to effectively administer pulses of 5G/6G](#) into those with graphene oxide in their blood from the shots.

Whether you wish to employ [Ivermectin](#) for your scabies or cancer or to help protect your brain and nervous system from the effects of modern technology, the drug [Ivermectin](#) remains one of the safest and most widely effective repurposed drugs known.

In 2017, [Dr. Andy Crump put it this way](#):

[Ivermectin: enigmatic multifaceted 'wonder' drug continues to surprise and exceed expectations](#)

"Over the past decade, the global scientific community have begun to recognize the unmatched value of an extraordinary drug, [ivermectin](#), that originates from a single microbe unearthed from soil in Japan.

Work on ivermectin has seen its discoverer, Satoshi Ōmura, of Tokyo's prestigious Kitasato Institute, receive the 2014 Gairdner Global Health Award and the 2015 Nobel Prize in Physiology or Medicine, which he shared with a collaborating partner in the discovery and development of the drug, William Campbell of Merck & Co. Incorporated.

Today, [ivermectin](#) is continuing to surprise and excite scientists, offering more and more promise to help improve global public health by treating a diverse range of diseases, with its unexpected potential as an antibacterial, antiviral and anti-cancer agent being particularly extraordinary."

Perhaps the most extraordinary antibacterial, antiviral and anti-cancer cure that may also treat ALS, Parkinsonism, and various

neurodegenerative diseases attributable to the Modified mRNA slow kill bioweapon "vaccines," and the various environmental toxins, etc. & etc. may be the following protocol:

New & Improved Synergistic Joe Tippens Protocol

- Tocotrienol and Tocopherol forms (all 8) of Vitamin E (400-800mg per day, 7 days a week). A product called Gamma E by Life Extension or Perfect E are both great.
- Bio-Available Curcumin (600mg per day, 2 pills per day 7 days a week). A product called Theracurmin HP by Integrative Therapeutics is bioavailable.
- Vitamin D (62.5 mcg [2500 IU] seven days a week).
- **CBD oil (1-2 droppers full [equal to 167 to 334 mg per day] under the tongue, 7 days a week)** [CBD-X: The most potent full spectrum organic CBD oil, with 5,000 milligrams of activated cannabinoids and hemp compounds CBD, CBN & CBG per serving.](#)
- [Fenbendazole](#) (300mg, 6 days a week) or in the case of severe turbo cancers **up to 1 gram**
- [Ivermectin](#) (24mg, 7 days a week) or in the case of severe turbo cancers up to **1mg/kg/day**
- [VIR-X](#) immune support (2 capsules per day)
- Removing sugars and carbohydrates (cancer food) from your diet and replacing table sugar with a zero glycemic index, zero calorie, keto friendly rare sugar like [FLAV-X](#)

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