

Preliminary Survey of 10,000 Subjects on a Specific Herbal Adaptogen-Antioxidant (AA) Formula Found a 94% Reduction in Covid-19 Infection Rates, Compared with the General Population

On July 20th, 2020, links began appearing about: ***“The COVID-19 Cure Sweeping Through Asia”*** *Their approach to treating COVID-19 is different from ours and it appears to be successful. China, Thailand and Laos are embracing these capsules containing 13 Chinese herbs that have a curative effect in patients with mild symptoms, and help relieve fever, cough and fatigue.*^{1, 2, 3}

IMMUNE SUPPORT

All of this confirms exactly what has been found with the subject product of this Survey: that many herbal components have protective modes of action that are supportive of immune defense against many microbial and toxic threats. This striking snapshot survey of 10,000 users of a specific Adaptogen-Antioxidant formula (AA formula), may well indicate that this product could possibly play a significant role in anti-SARS-CoV-2, (Covid-19), protection.

One of the ingredients in the herbal cocktail is **Chaga Mushroom (Inonotus obliquus)**. Chaga contains a polysaccharide that is supportive of the immune system in helping to ward off infectious diseases and other health challenges.^{4, 5}

A Washington University School of Medicine Study suggests that having a strengthened immune system could increase one's defenses against Covid-19: ***“Boosting immune system a potential treatment strategy for COVID-19”***⁵

CHRONIC STRESS

The World Health Organization (WHO) has stated that “Stress is the epidemic of the 21st Century.”

Our planet-wide population was awash in stress before the coronavirus pandemic hit. With the lockdowns, people's stress levels extensively worsened. Studies are reporting that, in some instances, the increase in deaths from stress-caused suicides, murders, drug overdoses, lack of attention to other chronic life-threatening diseases, and the like, may have already exceeded the actual death-numbers from Covid-19, itself.^{21, 22}

Chronic stress causes chronically-elevated levels of the fight-or-flight hormone, cortisol, which has a draw-down effect on immune function, leaving the body open to increased risk of numerous co-morbidities, degenerative diseases and microbial infections of all kinds (including the Covid-19 virus).

Chronic psychological and physiological stress creates pro-inflammatory conditions, which adds to the potential for lethal outcomes when exacerbated by the burden of COVID-19, in the presence of other underlying health conditions.

CHRONIC INFLAMMATION

Dr. George M. Slavich, who directs the Laboratory for Stress Assessment and Research ⁶ at UCLA, states: “**All told, inflammation is involved in at least 8 of the top 10 leading causes of death in the United States today.**”⁷

That the subject AA formula has several molecular components which are both stress reducing and anti-inflammatory are seen as vitally important functions in this situation. Many of the proposed off-label uses of pharmaceutical drugs and other substances to combat the side-effects of COVID-19 are to reduce inflammation. Down-regulating inflammation is especially important to lessen the severity of the late-stage “**cytokine storms**”, which so often prove fatal.

CYTOKINE STORMS and CYTOKINE MODULATION

Research has shown that two or more ingredients within the AA formula, (i.e.: Rhodiola and Chaga Mushroom), help to down regulate or modulate the potentially deadly inflammatory 'cytokine storms' of advanced Covid-19, thereby significantly reducing the need for mechanical ventilation. ^{5, 8, 9}

GLYCYRRHIZIN – Anti-Inflammatory ...and So Much More

One of the 10 herbal ingredients of the AA formula, (Chinese Licorice Root), contains a natural molecule called “**Glycyrrhizin**”.

Glycyrrhizin is known to have anti-inflammatory properties.^{10, 11, 12}

But, its main attention-getting feature in fighting Covid-19 is much greater than that of suppressing inflammation.

GLYCYRRHIZIN as an ANTI-VIRAL ---Specifically ANTI-COVID:

Research Progress of Glycyrrhizic Acid on Antiviral Activity ^{13, 14}

GLYCYRRHIZIN exhibits specific action to block ACE2 receptors from Covid-19's 'spike proteins'

Covid-19 infects human cells by using its characteristic ‘spike proteins’ to attach to cells that happen to have receptor sites that, unfortunately, are a fit for the spike proteins, (not unlike a key fitting into a specific lock). It so happens, that Covid-19’s spike proteins fit the body’s own ACE2 receptor sites.

Angiotensin-converting enzyme 2, (ACE2), is an enzyme attached to the cell membranes of cells in the lungs, arteries, heart, kidney, and intestines. ACE2 is involved in the regulation of blood pressure ...until it gets hijacked by the Covid-19 virus.

The **ability of GLYCYRRHIZIN to block ACE2-receptors from the virus’ protein spikes**, is why this might be one more of the valuable tools for treating COVID-19. ^{19, 20, 27}

These two articles contain additional information:

“Glycyrrhizin: An alternative drug for the treatment of COVID-19 infection and the associated respiratory syndrome?”¹⁵

“What is the ACE2 receptor, how is it connected to coronavirus and why might it be key to treating COVID-19? The experts explain.”¹⁶

OBSERVATIONS

Of the entire North American populace, those who had tested positive for Covid-19, as of July 18, 2020, represented approximately 1% of the total population. If that ratio were to correlate to the 10,000 AA-formula users, it would be anticipated to produce 100 positive Covid-19 (representing 1% of 10,000), within the Survey group.

In fact, the Survey found that the actual documented infection number was not 100, but 6, a staggering 94% reduction in the actual Covid-19 infection rate compared with the expected infection rate, using the general population model. (6 confirmed infections out of the 10,000-person sampling, represents an AA formula users confirmed infection rate of 0.06%)

Not only that, but it was noted that the 6 known infected cases either remained asymptomatic or had experienced only minor symptoms and quick recoveries.

Thus, since the 6 known infected cases, (one reported to be 80 years of age, another in their mid 70ies), had mild to no symptoms, **it appears that the AA formula may, in fact, be 100% effective in avoiding symptoms of infection, altogether, or at least mitigating the severity of symptoms in the very few identified Covid-19 infections for daily users of the AA formula.**

It should also be noted that the subject AA formula is a proprietary liquid co-extraction of the combination of 10 adaptogenic and antioxidant herbs, with its own specific cell-delivery system. Clinical studies have shown the AA formula to have 550% greater performance efficacy than the same combined components in their original ground (powdered) form.

Many researchers have speculated that within the general population, asymptomatic infection numbers may actually be several times higher than the number of positive-tested cases. If that is ultimately found to be the case, then the 6 known infections of the 10,000 AA formula users group is all the more significant and certainly worthy of further investigation.

DISCLOSURES and DISCLAIMERS

This Preliminary Survey has been compiled through the most accurate possible screening process, using current internal and official public statistics in the weeks leading up to and ending July 18, 2020.

The Subject Adaptogen-Antioxidant Formula, (“AA Formula”), is a generic appellation for a Health Canada approved “adaptogenic formula to help in the normalization of body system functions altered by stress”.

The observational data, herein, have not been evaluated by Health Canada for any of the discovered anti-SARS-Cov-2 effects, and are in no way meant to be claims of curing any diseases nor are they meant as prescribing any medications, but are presented for informational purposes, only.

Please consult your health care professional before changing or discontinuing any prescribed medications.

DISCUSSION

The Survey did not attempt to qualify or quantify any of the compound modes of action or synergies of the hundreds of bioactive molecules in the liquid herbal AA formula. The sole purpose of the Survey was to determine whether or not the 'orchestral effect' of the molecular constituents of this formula --- with particular focus upon the specific binding action of glycyrrhizin against the COVID spike protein --- had significant protective function against Covid-19 infection or against its worst symptom manifestations.

The statistical snapshot of July 18th, 2020, showed a North America-wide identified infection rate of roughly 1%. The 10,000-person Survey of AA formula users showed a remarkably lower identified infection rate of 0.06% --- 94% lower than that of the general population. Even more remarkable is that, of the identified Covid-19 positives in the Survey group; 2 had zero symptoms, while the other 4 exhibited only mild symptoms with rapid recoveries.

It was not determined by this preliminary Survey of the 10,000 AA formula-treated subjects, if any of the surveyed individuals might also have been taking any other well-known immune-protective or virus-suppressive supplements such as trace minerals, Vitamin D3, Vitamin C, zinc¹⁷, Quercetin as a zinc ionophore¹⁸, and the like. This survey structure had no way to determine these variables in the general population, so this variable was omitted, in order to evaluate the infection numbers of the two groups on equal terms.

This document was not prepared because of the AA formula's reported broad spectrum of health benefits. Neither, was it because of its outstanding safety profile and efficacy as a "**stress relief formula**", (for which it is Government certified), --- even though stress relief measures are most helpful throughout these hyper-stressful COVID times!

The primary purpose for this brief observational study/report is to convey the positive finding of the serendipitous potential benefit of the AA formula against COVID-19 and its variants. This appears, most specifically, to be because of its GLYCYRRHIZIN content, (which was unknown for its COVID-fighting capability during product development. At the time, it was included because of its clinically observed synergies with the other 9 adaptogens and antioxidants).

However, now, glycyrrhizin is being widely reported in the scientific literature for its unique property of disabling the COVID spike protein's ability to infect and damage organs and tissues throughout the body, via the ACE2 receptor entry points. **This phenomenon is currently**

written up in more than 100 papers published in the U.S. National Library of Medicine, (NIH), and is being added to on a frequent basis.²³

It is anticipated that glycyrrhizin's COVID spike protein-blocking phenomenon may potentially offer huge protection against infection by the live COVID virus, including all of its variant forms, as well as aid in preventing the extensive vaccine injuries being reported, (i.e.: myocarditis, heart attacks, cardio-vascular clotting, strokes, and other undisclosed pathologies), even causing a rash of sudden post-vaccination deaths). Hopefully, based on this encouraging early evidence, glycyrrhizin may also be able to greatly reduce or eliminate the widespread incidence of 'vaccine breakthrough' of virus infections and the consequent spread to other vaccinated individuals.

The reported adjunct feature of the AA formula's inhibition of the COVID spike protein, using glycyrrhizin, as reported in the scientific literature and discovered by the subject July 2020 Survey, is not listed on the label claims for this product and thus cannot be promoted for such. Therefore, these data are published in this format, for educational purposes only, under the product pseudonym of: "AA formula", without making medical claims regarding references to any specific registered brand label designations.

To obtain more detailed information, interested individuals or entities may make their request through the party that provided them with this Preliminary Survey document.

While more in-depth studies will continue, this 10,000-person Survey appears to indicate that the AA formula may prove useful to help protect concerned individuals from Covid-19 infection, including vulnerable members of the population that are elderly and those with co-morbidities, as well as health care personnel and others working in the many service industries where public interactions are unavoidable.

Finally, one of the least publically discussed likelihoods for severe vaccine injury or sudden death is thought to possibly occur when, in careless haste, the injection needle inadvertently delivers the vaccine directly into even a small vein. By not doing a quick aspiration check during the procedure, this reckless form of medical Russian roulette could possibly explain the alarming rise in cases of myopericarditis, myocarditis, strokes, embolisms, heart attacks, and excessive clotting.²⁴ ²⁵ An increasing number of animal studies are showing this exact occurrence.²⁶

Once again, **glycyrrhizin** may possibly offer one of the best measures of defence against COVID spike protein injury when the gamble of skipping the blood aspiration check, backfires on the patient --- merely to save a brief moment of time during the injection procedure.

CONCLUSIONS

The July 2020 observations regarding the actions of glycyrrhizin, likely enhanced by synergies with the specific adaptogens and antioxidants in the formula, have produced powerful anti-COVID benefits that are being borne out to this date.

In addition to the formula's apparent protection against COVID-19 infection, (and by all of its variants), more recent findings show that the AA Formula has significantly helped many subjects suffering with life-threatening mRNA-spike-protein 'vaccine injuries'.

Also, there is good indication that the AA Formula is helping to mitigate long-COVID symptoms in many, as yet, largely undefined ways.

A few of the many positive adaptogenic features of this formula are that of assisting with healthy metabolic function, down-regulating inflammation and modulating excessively high or low cortisol levels.

The presence of chronic excessively high cortisol levels in the body interferes with the body's ability to perform recuperative functions by maintaining it in an intense and prolonged state of fight or flight readiness. Physiological resources that the body would need to repair itself are thus tied up in the mechanism needed to cope with stressors.

It should be noted that it is quite possible that the low cortisol levels observed in the long-COVID patient studies [28](#), [29](#), [30](#), have occurred after they have been through periods of chronically high cortisol and that these patients are in the burnout phase.

Given the numerous positive observations of 94% reduced infection rates, potential long-COVID symptom mitigation, as well as significant anecdotally-reported spike protein 'vaccine injury' mitigation: further investigation into the AA Formula's apparent multiple protective actions is definitely warranted.

In short, this Preliminary Survey has possibly uncovered a few of the several novel benefits of a formulation that might be well worth considering for its anti-COVID-specific functional advantages, beyond its many stated natural physiological attributions.

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