

# Health Benefits of Caffeine, Retained Spike Protein Causing Long-COVID, Pandemic Preparedness for Avian Influenza

By <u>Dr. Peter McCullough</u>

Global Research, April 25, 2024

**Courageous Discourse** 

Theme: Science and Medicine

All Global Research articles can be read in 51 languages by activating the Translate Website button below the author's name (only available in desktop version).

To receive Global Research's Daily Newsletter (selected articles), click here.

Click the share button above to email/forward this article to your friends and colleagues. Follow us on <u>Instagram</u> and <u>Twitter</u> and subscribe to our <u>Telegram Channel</u>. Feel free to repost and share widely Global Research articles.

Global Research Referral Drive: Our Readers Are Our Lifeline

\*\*\*

Please enjoy this brief summary from April 23, 2024 on health benefits of caffeine and news on avian influenza when <u>Dr. McCullough joins Dr. Gina Loudon</u> on <u>American Sunrise by Real America's Voice.</u>

Start at 35:15 and end at 43:03.

Coffee is among the most researched food or drink on earth. The net analysis is that regular coffee intake has health benefits in terms of improved cognitive function, lesser risk of diabetes, lower rates of heart disease, and possibly prevention of some neurodegenerative disorders and cancer. The main caveats are to limit intake during pregnancy and be sure drinking ceases before noon so the caffeine can clear out of the body for a good nights sleep. Over-indulgence can lead to heart rhythm problems and anxiety.

Dr. Loudon asked Dr. McCullough about the cause of long-COVID syndrome. Here it is important to understand that the Spike protein gets into the body with the infection and to a much greater degree is produced by mRNA within the body in the vaccinated. Sadly most vaccinated persons has both forms of Spike protein. As of today, antibodies to the Spike protein can be measured as a proxy for how much is in the body. Soon the Spike protein itself should be measurable on a blood test. Because our bodies cannot readily clear Spike, we use McCullough Protocol Base Spike Detoxification to aid the body in catabolism and clearance of this foreign invader.

\*Figure and legend reprinted from Huynh et al. [14]. The legend title has been slightly adapted. Permission to use this figure has been granted in accordance with the open access Creative Common CC BY 4.0 license.

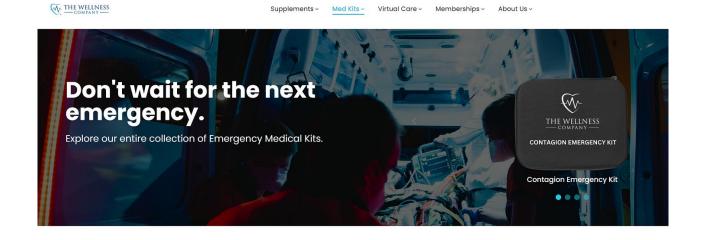
## Clinical Approach to Post-acute Sequelae After COVID-19 Infection and Vaccination

Nicolas Hulscher <sup>1</sup>, Brian C. Procter <sup>2</sup>, Cade Wynn <sup>2</sup>, Peter A. McCullough <sup>3, 4</sup> Review began 11/09/2023 Review ended 11/15/2023 Published 11/21/2023 1. Epidemiology, University of Michigan School of Public Health, Ann Arbor, USA 2. Family Medicine, McKinney Family Medicine, McKinney, USA 3. Internal Medicine, Cardiology, McKinney Family Medicine, McKinney, USA 4. Cardiology, © Copyright 2023 Epidemiology, and Public Health, McCullough Foundation, Dallas, USA Hulscher et al. This is an open access article distributed under the terms of the Creative Commons Attribution License CC-Corresponding author: Nicolas Hulscher, nichulscher@gmail.com BY 4.0., which permits unrestricted use SARS-CoV-2 Spike protein
RBD S1 S2 FIGURE 1: Proposed Mechanisms Through Which S1 of Spike Protein Induced Cardiac Mitochondrial Dysfunction, Which Leads to Cardiac Injury in COVID-19 Patients. Spike protein is the glycosylated protein that covers the surface of SARS-CoV-2 and binds to the host ACE2 receptor to mediate the viral cell entry. It is composed of \$1 and \$2 subunits that are responsible for ACE2 behalf or a membrane fusion, respectively. \$1 possibly binds to ACE2 on the ACI6 membrane and is then internalized into the cytosol and localized in organelies, such as mitochondria, which induces the transient increase in fatly acids transport and uptake for blogeneties, Aum, and permanent mca2+, and disrupts Aum later, finally impairing mitochondrial function and promoting ROS production. In turn, ROS further exacerbates mitochondrial function and mitochondrial fragmentation. Moreover, \$1 causes downregulation of TOM20; this effect might whibit the pathways leading to mitochondrial biogenesis. FIGURE 3: McCullough Protocol: Base Spike Detoxification (BSD). A: Dissolution of spike protein-induced thrombus. Nattokinase directly degrades fibrinolysis-resistant fibrin (from spike protein), and bromelain upregulates fibrinolysis. B: Inhibition of spike protein via ACE2 receptors. Bromela and curcumi block the ACE2 receptor, preventing spike protein from binding. C: Proteolytic degradation of spike protein. Nattokinase and bromelain degrade spike proteins, rendering them mactive. D: Attenuation of spike protein-induced inflammation. Bromelain and curcumin downregulate the NF-8 signaling pathway induced by spike protein-induced inflammation. Bromelain and curcumin downregulate the NF-8 signaling pathway induced by spike protein, leading to the suppression of inflammatory molecules. E: BFS breatment protocol. The full treatme regimen and the addition of other compounds based on clinical indication are illustrated. Abbreviations: ACE2 = angiotensin-converting enzyme 2, FAT = fatty acid translocase, PCT1/2 = Carnitine paimtioy/transferase ½, MCD = Malonyl-CoA decarboxylase, ACC = acetyl-CoA carboxylase, AMPK = AMP-activated protein kinase, mCa2+= mitochondrial calcium, Aum = mitochondrial membrane potential, ROS = Abbreviations: TPA = fissue plasminogen activator, PAI-1 = plasminogen activator inhibitor-1, ACE2 = angiotensin converting enzyme-2, NF-kB = nuclear factor kappa B, S1/S2 = spike protein subunits S1/S2, TLR4 = toll-like receptor 4.

Hulscher N, Procter BC, Wynn C, McCullough PA. Clinical Approach to Post-acute Sequelae After COVID-19 Infection and Vaccination. Cureus. 2023 Nov 21;15(11):e49204. doi: 10.7759/cureus.49204. PMID: 38024037; PMCID: PMC10663976.

\*Created with BioRender.com. Panel E adapted from McCullough et al. [43].

Dr. McCullough gave an update on the avian influenza H5N1 scare presented to the world by WHO, WEF, CEPI, and CDC just a few months ahead of the World Health Organization meeting on the International Health Regulations and Pandemic Treaty Agreement. WHO is widely anticipated to cite H5N1 as an example of why the world needs global pandemic governance.

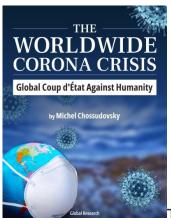


Dr. Loudon pointed out the best course of action is for the public to be ready with <u>Wellness Company emergency kits</u>. The contagion kit has been recently extended to cover bird flu and telemedicine doctors can upgrade antivirals and add antibiotics if severe cases arise. Keep a watch on the Geneva Health Forum 2024 Conference and the <u>The Seventy-seventh World Health Assembly is being held in Geneva, Switzerland, on 27 May – 1 June 2024.</u> Expect avian influenza to come up as the agreements and regulations are drafted.

\*

Note to readers: Please click the share button above. Follow us on Instagram and Twitter and subscribe to our Telegram Channel. Feel free to repost and share widely Global Research articles.

Featured image is a screenshot from the video above



The Worldwide Corona Crisis, Global Coup d'Etat Against

### Humanity

by Michel Chossudovsky

Michel Chossudovsky reviews in detail how this insidious project "destroys people's lives". He provides a comprehensive analysis of everything you need to know about the "pandemic" — from the medical dimensions to the economic and social repercussions, political underpinnings, and mental and psychological impacts.

"My objective as an author is to inform people worldwide and refute the official narrative which has been used as a justification to destabilize the economic and social fabric of entire countries, followed by the imposition of the "deadly" COVID-19 "vaccine". This crisis affects humanity in its entirety: almost 8 billion people. We stand in solidarity with our fellow human beings and our children worldwide. Truth is a powerful instrument."

#### Reviews

This is an in-depth resource of great interest if it is the wider perspective you are motivated to understand a little better, the author is very knowledgeable about geopolitics and this comes out in the way Covid is contextualized. —Dr. Mike Yeadon

In this war against humanity in which we find ourselves, in this singular, irregular and

massive assault against liberty and the goodness of people, Chossudovsky's book is a rock upon which to sustain our fight. –Dr. Emanuel Garcia

In fifteen concise science-based chapters, Michel traces the false covid pandemic, explaining how a PCR test, producing up to 97% proven false positives, combined with a relentless 24/7 fear campaign, was able to create a worldwide panic-laden "plandemic"; that this plandemic would never have been possible without the infamous DNA-modifying Polymerase Chain Reaction test – which to this day is being pushed on a majority of innocent people who have no clue. His conclusions are evidenced by renown scientists. —Peter Koenig

Professor Chossudovsky exposes the truth that "there is no causal relationship between the virus and economic variables." In other words, it was not COVID-19 but, rather, the deliberate implementation of the illogical, scientifically baseless lockdowns that caused the shutdown of the global economy. –David Skripac

A reading of Chossudovsky's book provides a comprehensive lesson in how there is a global coup d'état under way called "The Great Reset" that if not resisted and defeated by freedom loving people everywhere will result in a dystopian future not yet imagined. Pass on this free gift from Professor Chossudovsky before it's too late. You will not find so much valuable information and analysis in one place. –Edward Curtin

ISBN: 978-0-9879389-3-0, Year: 2022, PDF Ebook, Pages: 164, 15 Chapters

Price: \$11.50 FREE COPY! Click here (docsend) and download.

You may also access the online version of the e-Book by clicking here.

We encourage you to support the eBook project by making a donation through Global Research's <u>DonorBox "Worldwide Corona Crisis" Campaign Page</u>.

The original source of this article is <u>Courageous Discourse</u> Copyright © <u>Dr. Peter McCullough</u>, <u>Courageous Discourse</u>, 2024

#### **Comment on Global Research Articles on our Facebook page**

#### **Become a Member of Global Research**

Articles by: Dr. Peter McCullough

**Disclaimer:** The contents of this article are of sole responsibility of the author(s). The Centre for Research on Globalization will not be responsible for any inaccurate or incorrect statement in this article. The Centre of Research on Globalization grants permission to cross-post Global Research articles on community internet sites as long the source and copyright are acknowledged together with a hyperlink to the original Global Research article. For publication of Global Research articles in print or other forms including commercial internet sites, contact: <a href="mailto:publications@globalresearch.ca">publications@globalresearch.ca</a>

www.globalresearch.ca contains copyrighted material the use of which has not always been specifically authorized by the

copyright owner. We are making such material available to our readers under the provisions of "fair use" in an effort to advance a better understanding of political, economic and social issues. The material on this site is distributed without profit to those who have expressed a prior interest in receiving it for research and educational purposes. If you wish to use copyrighted material for purposes other than "fair use" you must request permission from the copyright owner.

For media inquiries: <a href="mailto:publications@globalresearch.ca">publications@globalresearch.ca</a>