

The Dangers of COVID-19 mRNA Vaccination: Exposed by McCullough Foundation, Over 20 Peer- Reviewed Manuscripts

By [Nicolas Hulscher](#)

Global Research, July 17, 2025

[Focal Points](#)

Region: [USA](#)

Theme: [Science and Medicine](#)

Since 2023, the McCullough Foundation has published [over 20 peer-reviewed scientific manuscripts](#) investigating the harms of COVID-19 vaccines — making it one of the most prolific and impactful research institutions addressing this urgent global crisis.

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Investigative Scholarship

Since the McCullough Foundation began operating in 2023, we have authored or significantly contributed to the publication of 20 scientific studies, making substantial advancements in the understanding of COVID-19 vaccine injury syndromes and potential treatments:

1. 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
2. McCullough PA, Wynn C, & Procter BC. (2023). Clinical Rationale for SARS-CoV-2 Base Spike Protein Detoxification in Post COVID-19 and Vaccine Injury Syndromes. *Journal of American Physicians and Surgeons*, 28(3), 90-94. doi: 10.5281/zenodo.8286460
3. Hulscher N, Alexander P E, Amerling R, Gessling H, Hodkinson R, Makis W et al. A Systematic Review Of Autopsy Findings In Deaths After COVID-19 Vaccination. *Science, Public Health Policy and the Law*. 2024 Nov 17; v5.2019-2024
4. Hulscher N, Hodkinson R, Makis W, McCullough PA. Autopsy findings in cases of fatal COVID-19 vaccine-induced myocarditis. *ESC Heart Failure*. 2024 Jan 14. doi: 10.1002/ehf2.14680
5. Rose J, Hulscher N, McCullough PA. Determinants of COVID-19 vaccine-induced myocarditis. *Therapeutic Advances in Drug Safety*. 2024;15: doi: 10.1177/20420986241226566
6. Hulscher N, Cook MJ, Stricker RB, McCullough PA. (2024). Excess Cardiopulmonary Arrest and Mortality after COVID-19 Vaccination in King County, Washington. *J Emerg Med OA*, 2(1), 01-11. doi: 10.33140/JEMOA.02.01.12
7. Hulscher N, McCullough PA, Marotta DE. Strategic deactivation of mRNA COVID-19 vaccines: New applications for siRNA therapy and RIBOTACs. *J Gene Med*. 2024;26(9):e3733. doi:10.1002/jgm.3733
8. Mead MN, Seneff S, Rose J, Wolfinger R, Denhaerynck K, Kirsch S, McCullough PA. COVID-19 Modified mRNA "Vaccines": Lessons Learned from Clinical Trials, Mass Vaccination, and the Bio-Pharmaceutical Complex, Part 1. (2024). *International Journal of Vaccine Theory, Practice, and Research*, 3(2), 1112-1178. doi: 10.56098/fdrasy50
9. Mead MN, Seneff S, Rose J, Wolfinger R, Hulscher N, McCullough PA. COVID-19 Modified mRNA "Vaccines": Lessons Learned from Clinical Trials, Mass Vaccination, and the Bio-Pharmaceutical Complex, Part 2. (2024). *International Journal of Vaccine Theory, Practice, and Research*, 3(2), 1246-1315. doi: 10.56098/w66wjg87
10. McCullough PA, Hulscher N. Risk Stratification for Future Cardiac Arrest after COVID-19 Vaccination. Preprints. 2024, 2024080821. doi: 10.20944/preprints202408.0821.v1
11. Hulscher N, McCullough PA. Delayed Fatal Pulmonary Hemorrhage Following COVID-19 Vaccination: Case Report, Batch Analysis, And Proposed Autopsy Checklist. Preprints. 2024, 2024021096. doi: 10.20944/preprints202402.1096.v1.
12. Hulscher N, Leake J, McCullough PA. Proximal Origin of Epidemic Highly Pathogenic Avian Influenza H5N1 Clade 2.3.4.4b and Spread by Migratory Waterfowl. *Poult Fish Wild Sci*. 2024. 12:286. doi: 10.35248/2375-446X.24.12.286
13. Rogers C, Thorp J, Cosgrove K, McCullough PA. (2024). COVID-19 Vaccines: A Risk Factor for Cerebral Thrombotic Syndromes. *International Journal of Innovative Research in Medical Science*, 9(11), 621-627. doi: 10.23958/ijirms/vol09-11/1982
14. Thorp J, Benavides A, Thorp M, McDyer D, Biss, K, Threet J, McCullough PA. Are COVID-19 Vaccines in Pregnancy as Safe and Effective as the U.S. Government, Medical Organizations, and Pharmaceutical Industry Claim? Part I. Preprints 2024, 2024062062. doi: 10.20944/preprints202406.2062.v1
15. Thorp JA, Benavides A, Thorp MM, McDyer DC, Biss KO, Threet JA, McCullough PA. Are COVID-19 Vaccines in Pregnancy as Safe and Effective as the U.S. Government, Medical Organizations, and Pharmaceutical Industry Claim? Part II. Preprints 2024, 2024070069. doi: 10.20944/preprints202407.0069.v1
16. Kyriakopoulos A, Nigh G, McCullough PA, Seneff S. Autoimmune and Neoplastic Outcomes After the mRNA Vaccination: The Role of T Regulatory Cell Responses. *Vaccine Theory Prac & Res*. 2024;3(2):1395-1433. doi:10.56098/16j4nf05
17. Kyriakopoulos AM, Nigh G, McCullough PA and Seneff S. Clinical rationale for dietary lutein supplementation in long COVID and mRNA vaccine injury syndromes [version 3; peer review: 2 approved]. *F1000Research* 2024, 13:191. doi: 10.12688/f1000research.143517.3
18. Halma M, Rose J, McCullough PA. Inadvertent Exposure to Pharmacologically Designed Lipid Nanoparticles Via Bodily Fluids: Biologic Plausibility and Potential Consequences. *Science, Public Health Policy and the Law*. 2024 Oct 01; v5.2019-2024
19. Hulscher N, Vickery A, McCullough PA. Resolution of Refractory COVID-19 Vaccine-Induced Myopericarditis with Adjunctive Rapamycin. *Medical Research Archives*. 2024. 12(11). doi: 10.18103/mra.v12i11.6099.
20. Hazan S, Vidal AC, Hulscher N, Goudzwaard A, McCullough PA, Steinberg AA. Cardiac findings in a phase II double-blind randomized placebo-controlled trial of combination therapy (HAZDPac) to treat COVID-19 patients. *BMC Cardiovasc Disord* 24, 710 (2024). doi: 10.1186/s12872-024-04376-y

In a [wide-ranging interview](#) with [Daniel Brisson](#) on *FNL Freedom News*, I shared what we've uncovered — and what comes next in our mission to protect public health through honest science.

Investigating the Full Spectrum of Injury

Our work has systematically documented the mechanisms and outcomes of vaccine-related injury, including:

- **Myocarditis and cardiac arrest**

- **Immune dysregulation and autoimmune syndromes**
- **Neuropsychiatric and neurologic effects**
- **Oncogenesis and rapid cancer progression**
- **Persistent spike protein and DNA fragments in blood**
- **Microvascular clotting and thrombotic events**

These aren't isolated findings — they represent reproducible, biologically plausible phenomena supported by autopsy data, government surveillance systems, and mechanistic studies.

Among some of the McCullough Foundation's key contributions:

[Myocarditis after SARS-CoV-2 infection and COVID-19 vaccination: Epidemiology, outcomes, and new perspectives](#)

This landmark analysis, supported by 341 references, provides definitive evidence that COVID-19 vaccine-induced myocarditis is more common and more lethal than myocarditis caused by SARS-CoV-2 infection — decisively debunking key misconceptions promoted by public health authorities: see [this](#).

[A Systematic Review Of Autopsy Findings In Deaths After COVID-19 Vaccination:](#)

Found a high likelihood of a causal link between COVID-19 vaccines and death. Linked 73.9% of post-vaccination deaths to mRNA products across 325 autopsy cases. This study became the [most-read paper in the world](#) across all scientific disciplines before being illegally retracted by Elsevier.

[Risk stratification for future cardiac arrest after COVID-19 vaccination](#)

The first peer-reviewed study to fully describe the pathophysiology of COVID-19 vaccine-induced cardiac arrest. Proposes comprehensive strategy for evaluating cardiovascular risk post-vaccination, incorporating detailed patient history, antibody testing, and cardiac diagnostics in the best attempt to detect abnormalities before sudden cardiac death.

Risk stratification for future cardiac arrest after COVID-19 vaccination

Peter A McCullough, Nicolas Hulscher

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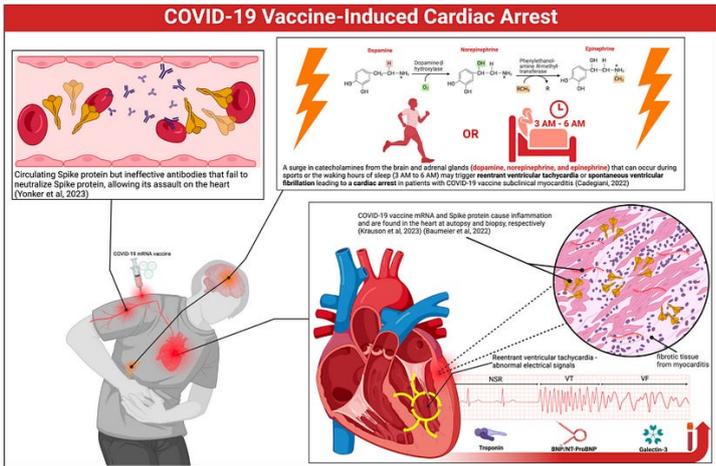


Figure 1 Coronavirus disease 2019 vaccine-induced cardiac arrest. NSR: Normal sinus rhythm; VT: Ventricular tachycardia; VF: Ventricular fibrillation; BNP/NT-proBNP: Brain natriuretic peptide and N-terminal proBNP (Created in BioRender, Supplementary material).

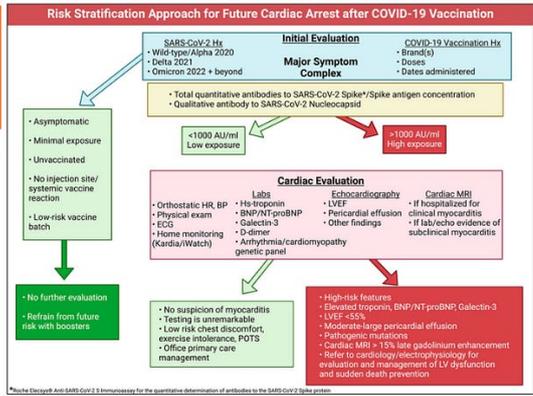


Figure 2 Risk stratification approach for future cardiac arrest after coronavirus disease 2019 vaccination. Green boxes indicate clinical features, test results, and patients at lower risk. Red and pink boxes show tests and results indicating higher risk. Hx: History, AU/mL: Antibody units per milliliter; HR: Heart rate; BP: Blood pressure; ECG: Electrocardiogram; Hs-troponin: High-sensitivity troponin; BNP/NT-proBNP: Brain natriuretic peptide and N-terminal proBNP; LVEF: Left ventricular ejection fraction; POTS: Postural orthostatic tachycardia syndrome (Created in BioRender, Supplementary material).

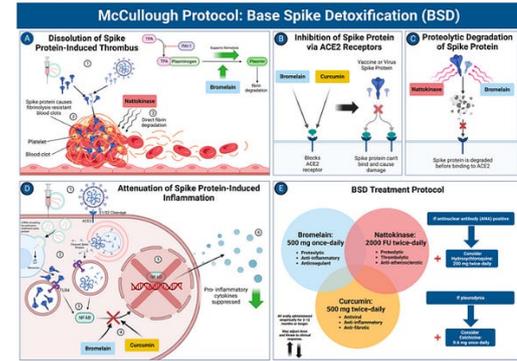


Figure 3 McCullough protocol: Base spike detoxification. A: Dissolution of spike protein-induced thrombus. Nattokinase directly degrades fibrinolytic-resistant form (from spike protein), and bromelain upregulates fibrinolysis. B: Inhibition of spike protein via ACE2 receptors. Bromelain and curcumin block the ACE2 receptor, preventing spike protein from binding. C: Proteolytic degradation of spike protein. Nattokinase and bromelain degrade spike proteins, rendering them inactive. D: Attenuation of spike protein-induced inflammation. Bromelain and curcumin downregulate the nuclear factor kappa B signaling pathway induced by spike protein, leading to the suppression of inflammatory molecules. E: Base spike detoxification treatment protocol. The full treatment regimen and the addition of other compounds based on clinical indication are illustrated. TPA: Tissue plasminogen activator; PAI-1: Plasminogen activator inhibitor-1; ACE2: Angiotensin converting enzyme-2; NF- κ B: Nuclear factor kappa B; S1/S2: Spike protein subunits S1/S2; TLR4: Toll-like receptor 4; Clotson: Hulscher N; Proven: EC; Wynn: C; McCullough: PA. Clinical Approach to Post-acute Sequelae After COVID-19 Infection and Vaccination. *Cureus* 2023; 15(11):e45204 Copyright ©The Author(s) 2023. Published by Springer Nature [5] (Supplementary material).

Excess Cardiopulmonary Arrest and Mortality after COVID-19 Vaccination in King County, Washington:

Found a 1,236% increase in excess cardiac arrest deaths following the mRNA injection rollout using official EMS datasets. Nearly 98% of the county's 2+ million residents received at least one dose of a cardiotoxic mRNA shot.

Excess Cardiopulmonary Arrest and Mortality after COVID-19 Vaccination in King County, Washington

Nicolas Hulscher^{1*}, Michael J. Cook², Raphael B. Stricker³ and Peter A. McCullough¹

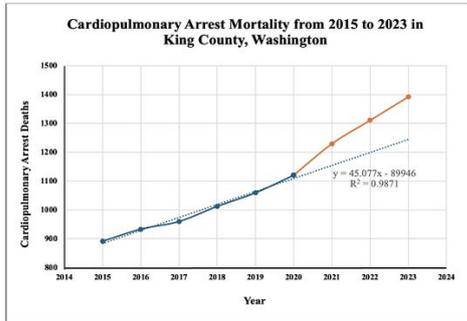


Figure 2: Cardiopulmonary Arrest Mortality from 2015 to 2023 in King County, Washington. The blue dotted line shows the expected cardiopulmonary arrest mortality trend line based on data from 2015 to 2020 (solid blue points). The orange dots represent cardiopulmonary arrest mortality deviating from the expected trend line. The data point for 2023 was estimated using linear regression.

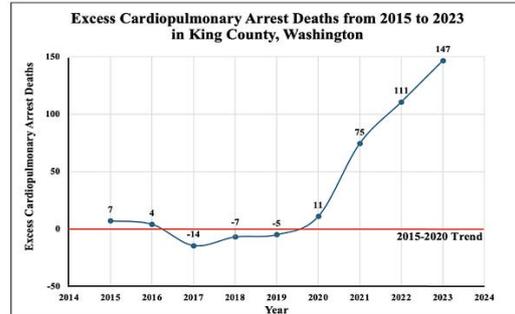


Figure 3: Excess Cardiopulmonary Arrest Deaths from 2015 to 2023 in King County, Washington. The 2015-2020 cardiopulmonary arrest mortality trend line was used to estimate excess cardiopulmonary arrest deaths.

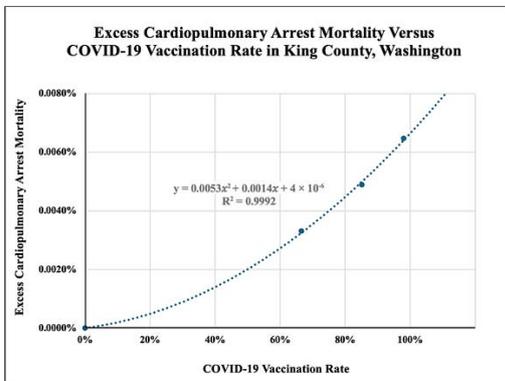


Figure 4: Excess Cardiopulmonary Arrest Mortality Versus COVID-19 Vaccination Rate in King County, Washington. The dotted line represents the quadratic model created using the COVID-19 vaccination rates and estimated excess cardiopulmonary arrest mortality (expressed as the percentage of the population that died from excess cardiopulmonary arrests).

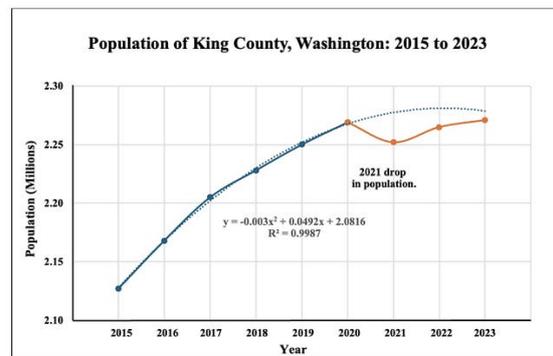


Figure 5: Population of King County, Washington, from 2015 to 2023. The dotted blue line represents the expected population size based on population data from 2015-2020. The solid orange line represents the drop-in population in 2021 that deviated from the expected trend.

Vaccine Spike/DNA Persistence Case Reports (Ongoing):

Evidence of circulating spike protein and residual plasmid DNA up to 3 years post-vaccination. Study coming soon.

From Pathology to Treatment

While public health agencies have largely ignored or actively obstructed efforts to address vaccine injury, the McCullough Foundation has stepped up to fill the void.

We've developed and published one of the first clinical frameworks for treatment:

[McCullough Protocol Base Spike Detoxification](#) — a nutraceutical-based regimen utilizing **nattokinase**, **bromelain**, and **curcumin**. These enzymes have demonstrated the ability, in vitro and in clinical case reports, to degrade spike protein, reduce inflammation, and alleviate symptoms in affected individuals.

[Clinical Approach to Post-acute Sequelae After COVID-19 Infection and Vaccination](#)

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

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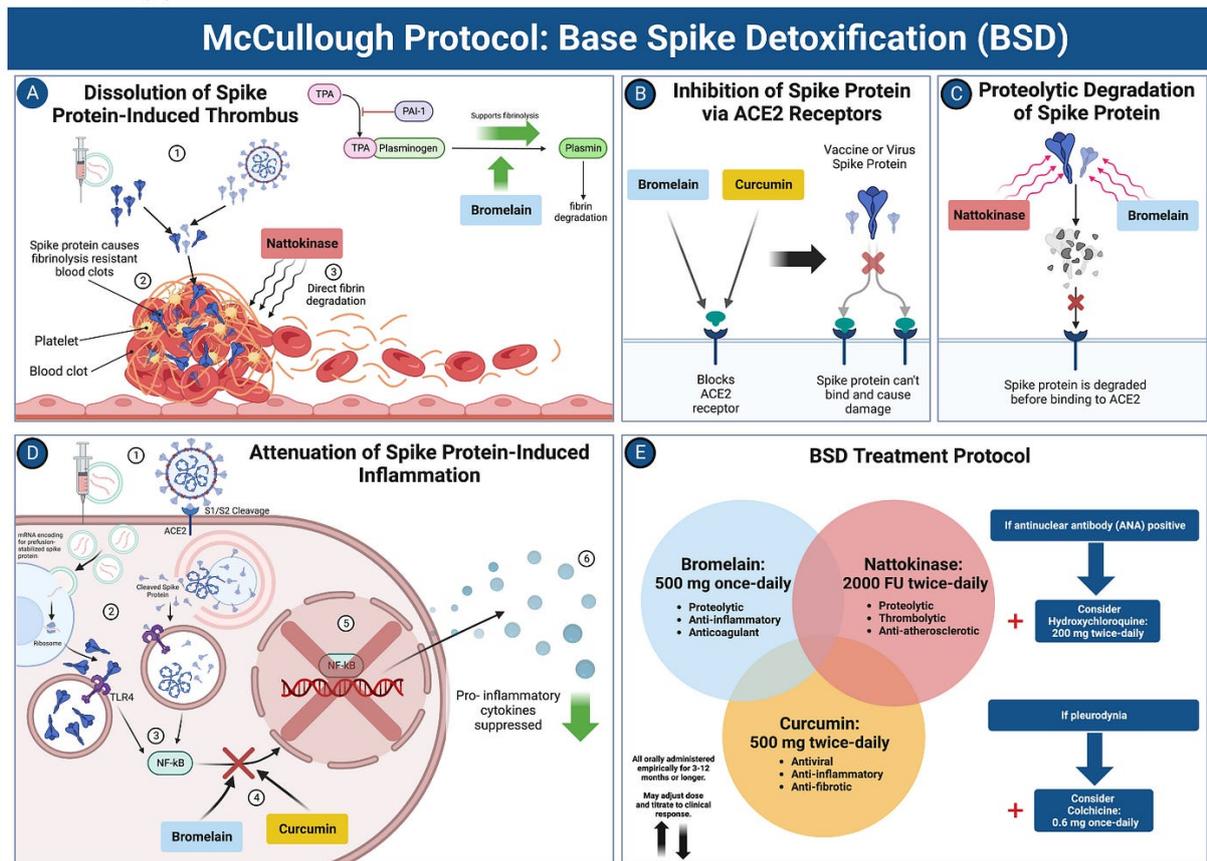


Figure 3: McCullough Protocol: Base Spike Detoxification (BSD).

Our work doesn't stop there. We continue to investigate new therapeutic options every day — and we share emerging findings, case reports, and clinical strategies across our platforms to support physicians and patients worldwide: see [this](#).

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