



Does the Covid-19 Virus contain Genetic Sequences from Snake Venom?

Description



An article in Scientific American back in January 2020 reported:

“Snakes—the [Chinese krait](#) and the [Chinese cobra](#)—may be the original source of the [newly discovered coronavirus](#) that has triggered an outbreak of a deadly infectious respiratory illness in China this winter.”

The article originated from a Chinese authored [paper](#) published in the Journal of Medical Virology on 22 January 2020 entitled *Cross-species transmission of the newly identified coronavirus 2019-nCoV* and said:

“Our findings suggest that 2019-nCoV has most similar genetic information with bat coronavirus and most similar codon usage bias with snake.”

The essence of the article was the supposition that Covid-19 made its way from snakes to bats and then to the Wuhan wet market, expressed as follows:

“An origin-unknown homologous recombination may have occurred within the spike glycoprotein of the 2019-nCoV....The squared euclidean distance indicates that the 2019-nCoV and snakes from China have the highest similarity in synonymous codon usage bias compared to those of bat, bird, Marmota, human, Manis, and hedgehog”

This idea subsequently gained little traction, because of the improbability of such a train of interspecies transfer, and because public discussion of its conclusions was vigorously suppressed by *fact checkers*. The suggestion of the authors to do more research disappeared from view. It has been largely forgotten until now.

By Guy Hatchard

Were some of these recombined genetic sequences from snakes?

Recent discussion of the origin of the Covid-19 spike protein has suggested that it could be the result of recombinant techniques in the laboratory which joined a number of genetic sequences together as part of research to develop deadly pathogens, and then investigate possible cures.

A paper published in F1000Research entitled *"Toxin-like peptides in plasma, urine, and faecal samples from COVID-19 patients"* in April 2020 concluded that:

"The presence of toxin-like peptides...suggests a possible association between COVID-19 disease and the release in the body of (oligo-)peptides almost identical to toxic components of venoms from animals....The presence of these peptides opens new scenarios on the aetiology of the COVID-19 clinical symptoms observed up to now, including neurological manifestations."

What are some of the neurological effects of snake venom?

A [study](#) published in 2002 entitled *"Cardiac Involvement in Snake Bite"* reports:

"Myocardial involvement is seen on occasions and may rarely contribute to morbidity and mortality. ECG changes are usually transient but when persistent they are attributed to direct myocardial damage due to the toxin."

Other [reported](#) neurological effects of snake bite include:

- pro and anti coagulant activity leading to ischemic or hemorrhagic stroke,
- muscle paralysis through inhibition of neuromuscular transmission leading to respiratory failure.

All of these neurological, thrombotic, and cardiac effects are similar to reported adverse effects of both Covid infection and mRNA vaccination.

Is Covid-19 a recombination of a virus and a toxin?

mRNA vaccines specifically train the human physiology to produce the suspect spike protein. Did this expose vaccine recipients to a toxin? It appears this might be the case. In which case, the essential design of the mRNA vaccine would have been a grave error. It was training the physiology to produce a toxin.

These discussions are speculative. We now know that early genetic sequences of Covid-19 appear to have been suppressed by NIH on the instructions of the Wuhan Virology Lab. Was the genetic similarity between snake genetics and Covid-19 too explosive to admit, whether they came from snakes or not? Certainly this possibility should have been investigated vigorously. It might have led to an understanding of the origins of Covid, but more importantly it might have led to more effective treatments for Covid. It might also have shed light on the source of the wide range of neurotoxic effects of both Covid and mRNA vaccination.

Whatever the eventual conclusion of further investigative research: **biotechnology experimentation to research and develop pathogens and toxins must stop now.**

It amounts to a ticking time bomb.

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1. Health-Wellness-Healing-Nutrition & Fitness
2. Main
3. Science-Tech-AI-Medical & Gen. Research

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