## <u>Stew Peters Team: COVID-19 Snake Venom references: Presentation Hyperlinks to Documents</u>

This study peer reviewed and approved, confirmed 36 venoms only in positive tested Covid 19 patients, none in the control groups in Italy... 20 snake venoms and 16 shellfish venoms, found in COVID-19 patient's blood and feces, with chart showing all the snakes venoms and shellfish venoms. Check out the screen shot for convenience, I cropped the summary of first 3 graphs in the study for audiences to read the 3<sup>rd</sup> column in each image that name the source of the venoms in COVID patients.

Snake venom peptides found in COVID 19 infected patients in Italy, but in None found in non-positive COVID cases:

## https://f1000research.com/articles/10-550

TAXONOMY CANDIDATE'S INFORMATION				TAXONOMY CANDIDATE'S INFORMATION				TAXONOMY CANDIDATE'S INFORMATION			
ID	Species	Phylum - Family	Organism's common name(s)	ID	Species	Phylum - Family	Organism's common name(s)	ID	Species	Phylum - Family	Organism's common name(s)
92438	Bungarus Candidus	<b>Chordata</b> - Elapidae	. Malayan krait	8673	Pseudonaja textilis	extilis - Elapidae - Elapidae - Chordata -	. Eastern brown snake	88086	Protobothrops elegans	<b>Chordata</b> - Viperidae	. Elegant pitviper . Trimeresurus elegans
8613	Bungarus	Chordata	. Banded krait					88087	Protobothrops flavoviridis	<b>Chordata</b> - Viperidae	. Habu . Trimeresurus flavoviridis
0013	fasciatus	- Elapidae	. Pseudoboa fasciata	338839	Pseudoferania polylepis			Protobothrops	Chordata	. Habu Trimeresurus	
129457	Micrurus altirostris	Chordata - Elapidae	. Uruguayan coral snake			<b>Chordata</b> - Viperidae	polylepis	88087	flavoviridis	- Viperidae	flavoviridis
8656	Naja atra	Chordata - Elapidae	. Elaps altirostris	8724	Bothrops jararaca		. Jararaca	133434	Acanthaster planci	<b>Echinodermata</b> - Acanthasteridae	. Crown-of-thorns starfish
			. Malayan spitting		Echis ocellatus	<b>Chordata</b> - Viperidae	. Ocellated saw- scaled viper	1736779	Californiconus californicus	<b>Mollusca</b> - Conidae	. California cone - Conus californicu
33626	Naja sputatrix	Chordata - Elapidae	cobra . Naja naja sputatrix	99586				1736779	Californiconus californicus	<b>Mollusca</b> - Conidae	. California cone . Conus californicus
111177	Oxyuranus microlepidotus	<b>Chordata</b> - Elapidae	. Inland taipan . Diemenia microlepidota	259325	Gloydius brevicaudus	<b>Chordata</b> - Viperidae	. Korean slamosa snake . Agkistrodon	1736779	Californiconus californicus	<b>Mollusca</b> - Conidae	. California cone . Conus californicus
		<b>Chordata</b> - Elapidae		8714	Gloydius halys	<b>Chordata</b> - Viperidae	. Chinese water mocassin . Agkistrodon halys	101291	Conus catus	<b>Mollusca</b> - Conidae	. Cat cone
8668	Oxyuranus scutellatus		. Coastal taipan					101302	Conus flavidus	<b>Mollusca</b> - Conidae	. Yellow Pacific cone
8673	Pseudonaja textilis	<b>Chordata</b> - Elapidae	. Eastern brown snake		Ophiophagus hannah	<b>Chordata</b> - Viperidae	. King cobra . Naja hannah	6491	Conus geographus	<b>Mollusca</b> - Conidae	. Geography cone . Nubecula geographus
8673	Pseudonaja textilis	<b>Chordata</b> - Elapidae	. Eastern brown snake	8665				42752	Conus marmoreus	<b>Mollusca</b> - Conidae	. Marble cone
8673	Pseudonaja textilis	<b>Chordata</b> - Elapidae	. Eastern brown snake					42752	Conus marmoreus	Mollusca - Conidae	. Marble cone

Some main stream publications showing snakes are the origin of COVID

https://www.healthline.com/health-news/coronavirus-can-be-deadly-but-they-also-cause-the-common-cold-what-to-know

https://www.healthline.com/health-news/coronavirus-can-be-deadly-but-they-also-cause-the-common-cold-what-to-know

https://scitechdaily.com/snake-pneumonia-coronavirus-outbreak-in-china-traced-to-snakes-bygenetic-analysis/

Krait and cobra genetic source of new sars cov 2 study <a href="https://onlinelibrary.wiley.com/doi/full/10.1002/jmv.25682">https://onlinelibrary.wiley.com/doi/full/10.1002/jmv.25682</a>

Definition of codon NIH.gov https://www.genome.gov/genetics-glossary/Codon

"Codon usage bias" definition <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8613526/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8613526/</a>

This Study in April 2020 in France, gene sequencing of two spike proteins on Sars Cov 2 were published to be King Cobra Cobratoxin Venom Peptide and Bungarotoxin (Krait Venom Peptide)

This study they demonstrate how nicotine and ivermectin both protect against these venom spike proteins.. which are neurotoxic. Not lung toxic...link and screenshot.

https://comptes-rendus.academie-sciences.fr/biologies/item/CRBIOL 2020 343 1 33 0/

screen shot from the study:

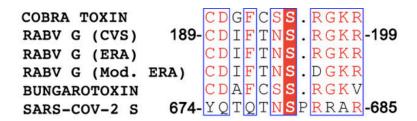


Figure 1.

The neurotoxin motifs. Amino acid sequence alignment of the motifs found in toxins from snakes of the Ophiophagus (cobra) and Bungarus genera, in G from three RABV strains and in S from SARS-CoV-2.

Nicotine may be suggested as a potential preventive agent against Covid-19 infection. Both the epidemiological/clinical evidence and the in silico findings may suggest that Covid-19 infection is a nAChR disease that could be prevented and may be controlled by nicotine. Nicotine would then sterically or allosterically compete with the SARS-CoV-2 binding to the nAChR. This legitimates the use of nicotine as a protective agent against SARS-CoV-2 infection and the subsequent deficits it causes in the CNS. Thus, in order to prevent the infection and the retro-propagation of the virus through the CNS, we plan a therapeutic assay against Covid-19 with nicotine (and other nicotinic agents) patches or other delivery methods (like sniffing/chewing) in hospitalized patients and in the general population.

In conclusion, we propose, and try to justify, the hypothesis that nAChRs play a critical role in the pathophysiology of SARS-CoV-2 infection and as a consequence propose nicotine and nicotinic orthosteric and/or allosteric agents as

Phospholipase enzymes as potential biomarker for SARS CoV-2 virus (Study)

http://www.ijsrp.org/research-paper-0121/ijsrp-p10919.pdf

https://news.arizona.edu/story/venom-coursing-through-body-researchers-identify-mechanism-driving-covid-19-mortality

Loss of taste and smell due to snake venom referenced slides https://www.timsreptiles.co.za/uncategorized/venom-types-and-there-effects-on-humans https://www.academia.edu/21106580/Ageusia following cobra envenomation Myth and fact on venom sucking

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6521273/ (section 4.6)

Black List Wikipedia link for season 4 episode 15

https://en.wikipedia.org/wiki/The Blacklist (season 4)

King cobra genome study published Jan 2020, funded by Genentech

https://www.nature.com/articles/s41588-019-0559-8

Extra pulmonary manifestations of covid 19 (study)

https://www.nature.com/articles/s41591-020-0968-3

Gilead to purchase Genentech facilities 2011 article

https://www.europeanpharmaceuticalreview.com/news/8538/gilead-sciences-to-purchase-biologics-process-research-and-clinical-manufacturing-facility-from-genentech/

2015 king cobra venom lung, kidney, intestinal study in mice..

https://www.researchgate.net/publication/273124353 Histopathological Alterations Induced by Naja naja Crude Venom on Renal Pulmonary and Intestinal Tissues of Mice Model

Cobratoxin is Cardiotoxin (reads just like Remdesivir)

http://www.t3db.ca/toxins/T3D2541

Remdesivir Cardiotoxic study 10/2021

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8511861/

Getty images link

https://www.gettyimages.com/detail/news-photo/scientist-manipulates-a-velvet-snake-to-extract-venom-at-news-photo/1228844540

Snake venom phospholipase  $A_2$ s exhibit strong virucidal activity against SARS-CoV-2 and inhibit the viral spike glycoprotein interaction with ACE2 (study)

https://link.springer.com/article/10.1007/s00018-021-03985-6

Venom from one of Brazil's largest snakes could reduce COVID's ability to multiply (MSN Article)

https://www.msn.com/en-gb/news/world/snake-venom-could-become-tool-in-fight-against-coronavirus-study-suggests/ar-AANY8Pg

BMJ Global health article: Snakebites and COVID-19: two crises, one research and development opportunity

https://gh.bmj.com/content/bmjgh/6/10/e006913.full.pdf

Business wire market trend for Anti-venom companies

https://www.businesswire.com/news/home/20210303005784/en/1.58-Billion-Anti-venom-Market---Global-Growth-Trends-COVID-19-Impact-and-Forecasts-2021-2026--ResearchAndMarkets.com

Snake venom-derived bradykinin-potentiating peptides: A promising therapy for COVID-19? (Study)

https://pubmed.ncbi.nlm.nih.gov/32761647/

The guardian article

https://guardian.ng/features/science/advances-in-covid-19-therapies/

Zenopa article: Snake venom can stop Covid-19 from multiplying

https://www.zenopa.com/news/3349/snake-venom-can-stop-covid-19-from-multiplying

Anti-Venom Market Future Growth Outlook: Merck, MicroPharm, Pfizer (article)

https://icrowdnewswire.com/2021/12/17/anti-venom-market-future-growth-outlook-merck-micropharm-pfizer/

Pfizer Paxlovid article

https://www.unmuteit.com/articles/pfizer-announced-eua-application-for-covid-19-drug-paxlovid

Venom-Derived Neurotoxins Targeting Nicotinic Acetylcholine Receptors (study)

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8199771/

Incorporation of Pseudouridine Into mRNA Yields Superior Nonimmunogenic Vector With Increased Translational Capacity and Biological Stability (2009) study

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2775451/

Nucleoside modifications in RNA limit activation of 2'-5'-oligoadenylate synthetase and increase resistance to cleavage by RNase L (Dynabeads) referenced

https://academic.oup.com/nar/article/39/21/9329/1093548?login=false

Unusual stability of mRNA in snake venom (Study)

## https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0041888

Snake venom phosphodiesterase and the noted inhibition by glutathione, cysteine and ascorbic acid

https://www.innov-research.com/products/snake-venom-phosphodiesterase-i-purified-lyophilized

Could a patent-free vaccine offer a COVID solution that stands up against Alpha, Delta, Omicron, and future variants? (dr. hotez and their new corbevax vaccine) article

https://www.abc.net.au/news/2022-02-24/covid-patent-free-vaccine-corbevax-could-be-game-changer/100848820

India news article on Corbevax for children in India...

https://www.financialexpress.com/lifestyle/health/corbevax-gets-nod-for-12-18-yr-group/2440915/

Biological E's product guide showing Cobra and Krait Anti-venom product list

https://www.biologicale.com/pdf/Product Sera List.pdf

Biological E. Link to Corbevax vaccine info

https://www.biologicale.com/corbevax.html

Moderna co-founder using mRNA technology to treat venomous snakebites (article)

https://globalnews.ca/news/8005422/moderna-cofounder-mrna-snakebotes/

https://www.ophirex.com/

The Articles I read from:

Patent for coronavirus vaccine and venom mention link (venom found in section 3.2.1)

https://patents.google.com/patent/WO2021184560A1/en?q=recombinant+novel+coronavirus +vaccine+replication<u>deficient+human+adenovirus+vector+and+venom&oq=recombinant+novel+coronavirus+vaccin</u> e+using+replication-deficient+human+adenovirus+as+vector+and+venom

## Medscape article

D dimer elevated interpreted as "snake venom poisoning " 5th bullet point <a href="https://www.medscape.com/answers/2085111-196749/how-are-elevated-d-dimer-levels-interpreted">https://www.medscape.com/answers/2085111-196749/how-are-elevated-d-dimer-levels-interpreted</a>

Link to mark of beast and rDNA of Satan (serpent) inserting his seed into human DNA.. <a href="https://www.douglashamp.com/how-the-mark-of-the-beast-will-rewrite-the-human-genome-part-three-corrupting-the-image/">https://www.douglashamp.com/how-the-mark-of-the-beast-will-rewrite-the-human-genome-part-three-corrupting-the-image/</a>