



GLOBAL JOURNAL OF SCIENCE FRONTIER RESEARCH: I
INTERDISCIPLINARY

Volume 21 Issue 1 Version 1.0 Year 2021

Type: Double Blind Peer Reviewed International Research Journal

Publisher: Global Journals

Online ISSN: 2249-4626 & Print ISSN: 0975-5896

Global Big Challenge: The Mutant Novel Corona virus New Stage

By Chen Yan & Tianzhi Yao

Ningbo University

Abstract- As the climate turns cold and winter approaches, the global proliferation of novel coronavirus-19 is entering a new stage. The hallmark of this stage is that the mutant novel coronavirus has become a new driving force for the spread of viruses. This is a major new global challenge now. "God said, listen to Chen Yan, let justice back to the world, let human beings liberated from the novel coronavirus!"

Keywords: *mutant, novel coronavirus-19, new stage, justice, global big challenge.*

GJSFR-I Classification: *FOR Code: 279901*



Strictly as per the compliance and regulations of:



Global Big Challenge: The Mutant Novel Coronavirus New Stage

Chen Yan ^α & Tianzhi Yao ^σ

Abstract- As the climate turns cold and winter approaches, the global proliferation of novel coronavirus-19 is entering a new stage. The hallmark of this stage is that the mutant novel coronavirus has become a new driving force for the spread of viruses. This is a major new global challenge now. "God said, listen to Chen Yan, let justice back to the world, let human beings liberated from the novel coronavirus!"

Keywords: mutant, novel coronavirus-19, new stage, justice, global big challenge.

I. INTRODUCTION

The human winter is coming! As the climate turns cold and winter approaches, the global proliferation of novel coronavirus-19 is entering a new stage. The hallmark of this stage is that the mutant novel coronavirus has become a new driving force for the spread of viruses. This is a major new global challenge.

According to Johns Hopkins University in the US, the number of new cases worldwide jumped by nearly 2m over last weekend, bringing the total number of confirmed cases to more than 90m. That means 10 million new cases have been confirmed in the space of two weeks, with the spread of the mutant novel coronavirus.

Two cases of mutant novel coronavirus have been found in the UK. On 14 December 2020, the United Kingdom reported to WHO a novel coronavirus variant named VOC 202012/01, in which the S protein contains the N501Y mutation, which originally appeared in the South East of England. Following the confirmation of a mutant novel coronavirus in the UK on December 14, the British government announced the discovery of another mutant novel coronavirus, which is more infectious. BRITISH HEALTH SECRETARY JOHN HANCOCK: We have detected two cases in the UK of another variant, novel coronavirus. Both cases have been in contact with confirmed cases from South Africa in the past few weeks. The new mutant novel coronavirus is very worrisome because it is more infectious and appears to have a higher degree of mutation than those previously found in the UK. The British government has quarantined two people infected with the novel Coronavirus variant and their close contacts and restricted travel from South Africa to the

United Kingdom, Health Secretary Michael Hancock said. Both variants have been shown to be more transmissible. The "VOC 202012/01" variant was first identified in September 2020, and by November it was linked to about a quarter of new crown infections in London, with the figure approaching two-thirds by mid-December.

South Fly found three variants of novel coronavirus. On 18 December 2020, another novel coronavirus variant with E484K and K417N mutations in addition to the S protein N501Y was reported in South Africa. South Africa's health minister, Mhertz, said in December that the 501Y.v2 variant was the "primary cause" of the second wave of the virus spreading rapidly in South Africa.

A variant novel coronavirus has been found in Nigeria. On 24 December 2020, the African Centre for Disease Control and Prevention (CDC) announced that a new mutant novel coronavirus, unrelated to those previously found in the United Kingdom and South Africa, has emerged in Nigeria.

A variant novel coronavirus has been found in Japan. In addition to the four novel coronavirus variants reported by WHO, Japan's Ministry of Health, Labor and Health said on January 10, 2021 that four men and women who arrived at Tokyo Haneda Airport from Brazil were confirmed to be infected with the novel coronavirus variant. This variant is different from those found in Britain and South Africa, and Japan has reported it to the World Health Organization.

Two variants of novel coronavirus have been found in the United States. The rate of recent cases in the US is nearly double that of the spring and summer of 2020, the White House Task Force on the New World Epidemics said on January 3. "This acceleration suggests that in addition to the mutant strain found in the UK, there could be an American variant that has evolved here and is already circulating in our community, potentially increasing its transmissibility by 50 per cent." But the Centers for Disease Control and Prevention has rejected the claims, saying it has no evidence of a native novel coronavirus in the United States. Fauci, director of the National Institute of Allergy and Infectious Diseases, said the mutant strain "is likely to be more widespread in the United States than we have found so far." The proof will come soon enough! On Jan. 13, scientists at Ohio State University College of Medicine released a report that they have identified two

Author α: Ningbo University, China national University, China.

Author σ: Global Ecological Science Institute, China.

e-mails: chenyan188@163.com, chenyan1@nbu.edu.cn

novel coronavirus variants that may have originated in the United States. One of the viruses quickly became the dominant Novel Coronavirus strain in Columbus, the state, in a three-week period from late December 2020 to early January 2021, the report said.

14 variants of novel coronavirus have been found in Russia. 18 variants of novel coronavirus have been found in a woman in Russia. After analyzing the species of 18 variants of the virus, it was found that some of the variants in the female body were the same as the two new variants of the virus that appeared in the UK, and two variants were consistent with the variant novel coronavirus carried by Danish mink, so 14 variants were found. But the woman had no previous contact with minks, meaning the virus was a self-fulfilling genetic mutation in her body. Novel coronavirus exists in an organism with low immunity for a long time. After a certain number of reproductive cycles, the virus will mutate.

The spread of mutant novel coronavirus is progressing rapidly. As of 8 January, 45 countries and territories around the world had reported cases of the variant found in the UK, with 13 countries reporting community transmission of the variant. At last count, on January 14, it had expanded to 70 countries. Novel coronavirus infections have reached 93.6 million.

The world is facing great challenges from the novel coronavirus stage, whether it is the novel coronavirus infection itself, the pressure on the medical system, and the development and popularization of the vaccine. World each country besides oneself should adopt high efficiency outside strict fight epidemic measure, unite from global height even rise, resist the enemy of the world jointly novel coronavirus. "God said, listen to Chen Yan, let justice back to the world, let human beings liberated from the novel coronavirus!"

REFERENCES RÉFÉRENCES REFERENCIAS

1. Akerele I O , Nwabuchi C V , Oreh A C . Coronavirus disease (COVID-19) and acute nonicteric hepatitis: A case report from Asokoro, Nigeria[J]. *Journal of Family and Community Medicine*, 2021, 28:59-62.
2. Marcela R N , Lauro F V , Díaz-Cedillo Francisco, et al. Design and Synthesis of a 3,2'-Indane]-1',3'-Dione Derivative and Their Theoretical Interaction with the Coronavirus Surface (COVID-19)[J]. *Biointerface Research in Applied Chemistry*, 2021, 11(2):9051-9061.