

Wuhan Paper on COVID-19

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Abstract

Tragedy of covid-19 is of such an enormous dimension that one wants to leave no stone unturned to investigate how this mishap occurred in the first place. Still it is contemporary hence, before it becomes a faded history it seemed worthwhile to look back and make dairy of events as it was reported to have occurred in such recent past. A few international publications informed us about such a devastating international accident. Author tries to take relook through those reports without any prejudice and tries to find out what actually went wrong that pandemic could not be prevented.

Keywords: Impact; Legumes; Bio fertilizer; Inoculant

Introduction

How Covid-19 is rampaging the world is known to all. The response of USA in first phase of global spread of covid-19 depended a lot on WHO report and action to deal this menace. Reasonably the world leaders are now concerned about whether there was any WHO's high handedness as wrongly reported sometimes in dealing this Chinese provincial fatal pneumonia outbreak. We need to take a fresh and keen look in the incidence as China reported about it to the world. This may clarify the world leaders' and USA's action plan on this issue and create a safe, dependable and secure environment world over.

When atypical pneumonia struck in persons attending Huanan wet market of Wuhan in Hubei province in November/December of 2019 China continued to keep track on it. But we have to depend on the publications those came out from China related to this incidence. Hence, when in early January the news of such disease broke a strict vigil was kept by the author on world literature and journals and in pubmed to detect when they first communicate with the world scientifically about this outbreak. It was very easy to detect their first publication, though online, in 24 January digital edition of New England Journal of Medicine (NEJM) where a full paper came out from Chinese Centre of Communicable Disease.

Description

Chinese Centre of Communicable Diseases

Even before this NEJM brief report was published by Tan, published novel corona virus genome structure in China CDC weekly (CCDC) volume 2 number 4. They submitted this paper 19 January and it was accepted in 20 January. This journal is just like office/company newsletter. Website of this weekly however did not show any content of their volume 1. Editor in chief is George F Gao, M Phil. He is one of the authors of this article and also NEJM article. They tell they submitted the structure in GISAID (www.gisaid.org) under the accession number EPI_ISL_402119, EPI_ISL_402020 and EPI_ISL_402121. This accession no. however, produced error when access was attempted on 6th May. In this article they informed us that on January 20, 2020 i.e. on the day of publication of this paper, a total of 201 cases of pneumonia in China have been confirmed. On January 3, 2020, the first complete genome of the novel Beta genus coronaviruses (2019 nCoV) was identified in samples of bronchoalveolar lavage fluid (BALF) from a patient from Wuhan by scientists of the National Institute of Viral Disease Control and Prevention (IVDC) which is under Chinese Centre for Disease Control (CCDC) through a combination of Sanger sequencing, Illumina sequencing, and nanopore sequencing.

According to them the coronavirus identified might only be "the tip of the iceberg". They even could predict that antibody test should be developed and health care workers should be tested before and after their exposure to 2019-nCoV for identification of "asymptomatic infections". So they were already aware of asymptomatic covid-19, the horrible feature of this disease. In this clinical article they described 59 cases from Wuhan of which 41 cases came positive in NHC Key Laboratory of Systems Biology of Pathogens and Christophe Mérieux Laboratory, Beijing, China. They got samples from patients whose admission data of were from December 16, 2019, to January 2, 2020. And they submitted the paper at least before 24th January when the paper was published on line and eventually corrected. So it is seen that both governmental IVDC (2) and a family charitable NGO Lab of Mérieux Foundation of Lyon (<https://www.fondation-merieuxusa.org/>) both worked together though there was never a mention on how all these parties collaborated together and what was their stake in this research. Incidentally this Christophe Mérieux Laboratory was founded by Pasteur's student Mercer Mérieux in 1897 and later developed by his son Charles who died in 2002. This is now a part of Sanofi Pasteur, the vaccine division of MNC giant Sanofi. Both national institute and multinational company were probably involved to set up kit manufacturing after viral genome was defined on 3 January. We don't know this. But this much we know probably together with this MNC/charity made huge production that by 24 January they and WHO were confident to have necessary supply for whole world.

Conclusion

CCDC submitted sequence information in GISAID and shared assay kit with the World Health Organization. NEJM authors states those kits are intended for surveillance and detection of 2019-nCoV infection "globally and in China". So the authors knew world has more need for this assay than may be, even China needs it and the proportion of outbreak is that of a pandemic. Only WHO could not understand that. As of the morning of 12 March, there are more than 20000 confirmed

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