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Editorial


The Facts behind the Emergence of Nobel Coronavirus Disease, 2019 and Consequences thereof

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In one of his previous editorials entitled “God, the Creator versus Man, the explorer and manipulator”, the author tried to justify that all the living and the nonliving objects on this earth as being created by a supreme Creator specially human beings, as His most intelligently designed species. After the creation was over, it was presumed that, the Creator explained the rules and regulations to be followed very strictly like, what is to be done and what not to be done, to all the living species and then, handed over the charge of the overall management to the human beings. All the living species, except human beings, seemed obeying the rules strictly. Human beings, by virtue of their being superior by creation, always try to do something extra, not bothering the God's messages left to them. Very often, they go beyond their jurisdiction, expose themselves to different unwanted environments like harmful radiations, colonies of viruses, poisonous gases etc, the result being illness from different diseases from time to time. But still, they know how to explore the ways and means for the treatment of the diseases they are suffering. Now, because of their continuous exploration (researches), almost all the diseases are now cured either by vaccines or other lifesaving drugs. Everything would have been very fine if they continue their knowledge only for the welfare of all the living beings on this earth. But it is not like that, they start fighting by dividing themselves into groups and thus, the whole globe has now been divided into countries, ruled by the so called leaders having different ideologies. Each country is trying to protect or expand their boundaries by fighting and killing each other. Gradually, man started utilizing their skill in making weapons of mass destruction and they have succeeded in making the nuclear arsenals. As additional technique for killing, many countries started making biological weapons (micro organisms or natural toxins which can kill human beings, animals, plants etc). During the past centuries, more than 500 million people died of infectious diseases. Several tens of thousands of these deaths were due to the deliberate release of pathogens or natural toxins by the Japanese during their attacks on China in the Second World War [1]. Recent Ebola outbreak (2014) have proven highly infectious, lethal and a challenge to contemporary medicine. Only God knows, by this outbreak, how many countries had been tempted for making biological weapons? Till now, 18 countries namely, Canada, China, Cuba, France, Germany, Iran, Iraq, Israel, Japan, Libya, North Korea, Russia, South Africa, Syria, Taiwan, UK and USA have had or are suspected of having biological weapons [2]. This Covid-19 pandemic we are fighting now is also a clear-cut case of human error, an error committed by going beyond the assigned jurisdiction. All the countries mentioned above should equally be held responsible for the lakhs of deaths due to covid-19 infection in the short span of seven months. The first human cases of Covid-19, the disease caused by the novel Coronavirus subsequently named

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SARS Cov-2 were first reported by the officials in Wuhan city, China in December 2019. Some of the earliest known cases had a link to a wholesale food market in Wuhan. Many of the initial patients were either stall owners, market employees or regular visitors to this market. Environment samples taken from this market in December 2019 tested positive for SARS Cov-2, further suggesting that the market in Wuhan city was the source of this outbreak or played a role in the initial amplification of the outbreak. The genetic sequence of SARS Cov-2 shared publicity on 11 to 12 January 2020. The full genetic sequence of the virus from the early human cases from China and all over the world show that SARS Cov-2 has an ecological origin in bat population and all available evidence to date suggest that the virus has a natural origin and is not a manipulated or constructed virus. Another Coronavirus, SARS Cov-1 that caused severe acute respiratory syndrome (SARS) outbreak in 2003 was also closely related to the other Corona viruses isolated from bats [3]. Again, the scientists analyzed the genetic template for the spike protein armatures on the outside of the virus that uses to grab and penetrate the outer walls of human cells. They focused more specially on two important features of the spike protein, the receptor binding domain (RBD), and cleavage site, that allows the virus to crack open and enter host cells. They found that the RBD portion of the SARS Cov-2 spike protein had evolved (via mutation) to effectively target a molecular feature on the outside of the human cell called angiotensin converting enzyme 2 (ACE2), involved in regulating blood pressure. The researchers considered this finding to be the result of natural selection and not as the product of genetic engineering. Another finding was that the backbone of SARS Cov-2 differs substantially from those of already known corona virus and mostly resembles the related virus found in bats. This is again an additional support to rule out the laboratory manipulation theory of SARS Cov-2 [4]. In spite of these facts, that too supported by many research centers of different countries, unfavorable views of China is increasing day by day. According to a 14 country Pew research center survey, highest level of unfavorable opinion of China could be seen in Australia, the United Kingdom, Germany, the Netherlands, Sweden, the United States, South Korea, Spain and Canada. Majorities say China has handled Covid-19 outbreak poorly. The Americans think that their govt. should hold China responsible for the role it played in the outbreak of the Coronavirus [5].

Now, what is the solution? A 3rd world war? If, that's the only solution, it will be at the cost of another few hundreds of thousands of lives to be followed by the aftermaths of the fallout radiations of the nuclear arsenals if used. The author's sincerest dream, never expected to be in reality at this point of time is the reunion of the groups separated and reformation of a single world body represented by one member from each country. Every piece of land should be the property of the single Govt.; no need of fighting for grabbing it. A common army pool should be there just to see only the law and order situations.

References

- [1] Eriedrrich Frisch knocht: The history of biological warfare. *Embo rep* 2003, June, 4 (supl) S47-S62.
- [2] Germs Don't respect Borders: The biological threats; *NTI* Dec30, 2015. nti.org/learn/biological
- [3] Corona virus Disease 2019 (Covid-19): Situation report 94; Highlights, World Health Organization.
- [4] Covid-19 Corona virus epidemic has a natural origin: Science news from research organization, March 17, 2020; *Science Daily*.
- [5] Laura Silver, Kat Devi IN and Christine Hang: Unfavorable views of China Reach Historic Highs in many countries. *Pew Research Centers; Global Attitude and Trends*. pewresearch.org/global/2020/10/06

