



“Delta Variant and Omicron”: Viewing COVID-19 Pandemics Through the Lens of History and Our Daily Lives

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Abstract

Scientific names for recent pandemics, Coronavirus COVID-19, Omicron variants, and Delta viruses require much classification, contemplation, research, and reflection. Coronavirus pandemic and scientific terms are of Greek origins, like Alpha and Omega. With such implications, much of this discussion will center around these word origins and how they play a role in history and our daily lives. Analysis in history and our daily lives will include global effects on food security and family life

Keywords: Coronavirus; Delta Variant; Omicron; Classification of Viruses; COVID-19 Probabilities; Food Security

Coronaviruses classification and background

Omicron, a Greek word, is like Omega and is referred to as the little Omega. The World Health Organization defines Corona viruses as respiratory and can range from mild to severe cases. The WHO states that the Corona viruses are from the family of SARS COViD-2. Both humans and animals, being mammals, are susceptible to the Corona infections. COVID 19, coronavirus, and Corona will be used interchangeably within this paper.

John Hopkins School of Medicine describes the Coronavirus as Sars COV-2 which spread in December 2019. Respiratory infections seem to spread virally from person to person causing nasal fluid discharge, chest pain and breathing difficulty and nausea. The Mayo Clinic describes the Delta and Omicron viruses as mutations or variants, and with Delta variant being more contagious than the Omicron variant. The Mayo Clinic reports that Pfizer BioNTech is currently available to school children ages 5-15, however only a few children have been known to die from the disease.

The claim is that yellow fever represented the first contagious virus and microbe in 1901. The discovery of the tobacco mosaic plant virus in 1892 and foot and mouth disease followed with new evidence in microbial disease. Coronavirus was described early in the 1930's as being a respiratory gastrointestinal, liver and neurological disease in animals. During this course of history, a vac-

cine was not pursued, eliminating rare to mild cases in these novel viruses would require diversity in geographics and taxonomies. While vaccines were not actively pursued during this time, it is important to note the family of RNA and DNA.

In 1952 scientists at Cold Spring Harbor Laboratory, Long Island, New York, observed viruses which were loaded with DNA, DNA contains coding in life secrets. The family and group of DNA and RNA are composed of four known nuclei bases which are adenine, cytosine, guanine, and thymine. We will revisit these players during our discussion later in dual trajectories and proper pairing for successful outcomes. These necessary pairs and groupings in DNA and RNA are necessary in similar outcomes found in technology and the Internet. For example, the Internet and Bluetooth devices working together. Merriam Webster definition of pairs is an agreement between two corresponding of similar things designed to work together.

[1], examines novel cases of coronaviruses in the Middle East and Asia. The virus has not transmitted from human to animals at this point, however researchers suggested that from cultured sputum in monkey kidney cells coronavirus are made possible [2], report intracellular transport between turnip mosaic, like the tobacco mosaic viruses, assisting with the occurrence in primary and secondary infections. Plant cells are linked to RNA, ribonucleic acid, and being messengers when paired with other nucleic acids.

Coronavirus history of microbes and nuclei bases, considering taxonomies and geographies, the word corona has now been accepted as originating from Latin meaning crown. Wiki describes coronavirus as a group of like RNA viruses. Through microbiology experts the definition of coronaviruses is that they are very large, encoded, embedded, and enveloped viruses. Corona in astronomy means rarefied gaseous envelope of the sun and other stars. The Sun’s corona is only visible during a total eclipse. In anatomy, corona is a part of the body resembling a crown, normally the skull and head. Botany describes corona as being shaped like a trumpet and the center outgrowth of a daffodil and narcissus flower.

[3] agree that there are seven known coronaviruses, 4 are known to infect humans. The common cold coronavirus which may lead to more severe conditions such as pneumonia, SARS COVD-1, [acute respiratory syndrome], MERS, [Middle East respiratory syndrome], and the novel SARS-SV-2COVID 19.

Coronavirus, plagues, pandemics and world beliefs

Discussions among experts and scientists suggest that the coronavirus and COVID 19, might become endemic. COVID 19 with its global impact has been named a pandemic, however with declining rates and some resistance, becoming endemic is now possible. According to Dr. Mumtaz at Islamic City, coronaviruses as a pandemic should be regarded as a sign to purge human wrongdoing. In fact, all the major religions admonish the signs of plagues and pandemics with corrections in our earthly behavior. While meat is allowed for consumption in Islam, there must be the mentioning of God (Allah) during the slaughtering process. Respecting the taking of life to sustain our human life shows submission to His Will, while nourishing our bodies. Columnist Jeffrey Cohan, in his recent article, “Did the Torah warn us about COVID 19?”, (2020) states that animal consumption leads to deadly plagues. Cohen reports that during the time of Moses, Peace be upon him, many Israelites died because of meat consumption. The author also recounts that Wuhan, China, in a live meat market is where the transmission to the human population of coronavirus took place. Psalms 91 in the Christian Bible refers to God (Allah) as being the protection and a covering during times of plagues and diseases.

[4] makes the argument that most infectious disease are animal diseases that jump from the animals to the humans. Shaftoe supports his claim with the fact that human interactions with their environment is a precursor to global solidarity, climate, public health, social activism, agriculture, gender equality, and trade networks

(2020). “We are each other’s peripheral vision”, [4]. This solidarity and unity perhaps are possible with recent COVID 19 restrictions globally and each individual nation following a prescribed protocol in our communities.

Revisiting pairs and the interaction of DNA and RNA messaging in controlling the coronaviruses and COVID 19, we witness the importance of pairs and the Divine Messaging that DNA and RNA possess in our earthly lives. Recollect adenine, single stranded DNA, that comes from Adeline meaning Noble and of possible Malaysian and US origins with a mix of French and German. There was also Uracil, colorless, crystalline, pyrimidine base and occurring naturally in yeast and wheat germ. Guanine acting as a constituent nuclei acid base and pairs with cytosine in living breathable skin. These players work all the time building protein and messaging instructions in sustaining a healthy and productive life. Humans borrow from this well-defined and miraculous messaging and trafficking in DNA and RNA to understand our Creator’s purpose for us in this earthly life.

The Center for Disease Control, CDC, reported the first case of the COVID-19 variant detected in India late 2020, and the World Health Organization, WHO named it Delta in May 2021. [5], assures humanity that although referring to coronaviruses as “terror”, the viruses are nothing new. According to Lalchandama, Arthur Schalk and Merle Fawn reported that the first viruses appeared in chickens in 1931 (2020). In 1933 Bushnell and Brandy name the viruses as infectious bronchitis, IBV, the coronavirus. The virus is recognizable by the halo around the spherical viral core and resembles the solar corona and officially named coronaviruses in 1968 [5].

Omicron is the fifteenth letter of the Greek alphabet, according to Merriam Webster, and is like Omega in terms of sound and numerical value, zero. The CDC and WHO report that omicron is now responsible for 98 percent of coronavirus cases. Comparing omicron with delta virus experts now view delta occurrences and hospitalizations as less severe than omicron. However, the “genetic make-up “of omicron has changed over the course of recent research [6]. The delta variant categories and classifications include 1) monitoring, 2) interests, concerns, and 3) high consequence. The delta variant was first identified in India and then in Great Britain. Vaccines are expected to reduce hospitalizations and deaths in both omicron and delta cases.

Center for disease control (CDC) united states timeline of omicron

- November 24, 2021: WHO reported and new variant in specimens 11/11/21 in Botswana, and 11/14/21 in South Africa
- November 26, 2021: WHO name omicron a VOC (variant of concern)
- November 30, 2021: US designates omicron as a concern
- December 1, 2021: 1st confirmed US case of omicron.

The Center for Disease Control, CDC, list the same symptoms of omicron as found in COVID 19, with symptoms ranging from mild to severe. Most omicron symptoms last an average of 2 - 14 days.

[7] description of respiration includes mechanisms in our human body and environment which are necessary to accomplish this task. The respiratory system is a target when examining the coronaviruses. In humans the organs suck in air and expel it. Recall that birds are capable of many of the coronaviruses, yet the respiratory process differs. In birds there are two cycles and human one cycle (1981). During the respiratory process we experience life sustaining processes in our circulatory, digestive, filtration and elimination systems. Our environments offer the respiratory process the opportunity to exchange air when pumped into the alveoli in humans and atria in birds. Yet this Divine process in humans require one cycle and in birds two cycles. The Divine process of respiration like our human spirit is often defined by our environment, anatomy and physiology. Irrespective of constraints in society, these microscopic air sacs communicate through a rich blood supply of respiration and sustainable life.

Tools for fighting COVID -19

When symptoms of COVID-19 outweigh the normal cold and flu, endurance include

Vaccines are just one of the ways to manage the corona viruses. The Center for Disease Control, CDC, has approved a list of three safe and effective vaccines. Johnson and Johnson Janssen COVID-19, Moderna, and Pfizer - BioNTech. Both Moderna and Pfizer are mRNA vaccines and are administered in two doses. The Janssen is a one dose vaccine and uses a viral vector which recommends Moderna or Pfizer as boosters.

World Health Organization, WHO, recognizes COVID-19 vaccines as being safe and effective. Their list of the vaccines being administered globally are Johnson and Johnson, Moderna, Pfizer, Beijing Institute of Biological, Sinopharm COVID-19 and Sinovac.

Other vaccines being administered globally are covovax, Oxford, Covishield, The Bharat Biotech, BEV152, COVAXIN, and Nuvaxovid being the latest vaccine in December 2021

Masks covering the facial area, protect the nose and throat to reduce germs inhaled both indoors and outdoors. Unlike the COVID-19 vaccines, masks were mandated during the outbreak of coronaviruses. Masks were mandated for businesses, gatherings, schools, and international travel. Masks are still being used in some sectors of our society and were mandated as a part of social distancing.

Testing Coronavirus testing can be performed at home or by a health professional in a laboratory or pharmacy. The paths to detection in the United States of coronavirus include testing genetically the nose and throat. The United States government provides at home testing kits and can be ordered by telephone and online. Testing is fast and affordable in the United States, prompting WHO director Tedros Ghebreyesus to call for equity in testing for low-income countries and individuals. This call to action however does not reflect the disparity in income versus western nations death rates in coronavirus. [8] report per 100,000 populations, coronavirus has claimed 967,450 lives in the United States, and 163,248 in the United Kingdom. Deaths in Ethiopia at 7,488, in India deaths reported at 516,132, in Botswana 2,619, and Nigeria deaths are reported at 3,142 [9-14].

Forward

Early rules of social distancing and hygiene are still effective and should be followed based on already proven protocols in society, local, state, and national regulating agencies in government. During the first months of acknowledging the Coronavirus outbreak, in the United States and globally lawmakers took action to sustain hope and well-being in our daily lives. The CARES Act, Coronavirus aid relief, and economic security act presented the American people with opportunities and trillion of dollars as an investment in the nation (2020). Continuous improvement in our adherence to a global protocol in our communities is life sustaining. Public health, food security, trade and commerce must follow these lessons in pairs and messages, being peripheral partners to maintain our sustainable existence.

As of this writing, coronavirus has yet another variant combining both omicron and delta. Scientists are currently studying the effects and the possible necessary mitigations. Indeed, continued research is necessary to update the public about recent development and progress being made in the coronaviruses.

Conclusion

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