

Chapter 15

Corona: The Development Invader

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ABSTRACT

Coronavirus has come up as the worst nightmare in the form of a pandemic for progressive sapiens in terms of health, wealth, prosperity, and social wellbeing. To date, coronavirus has mutated to seven different shapes evolving into various variants. The main deliberation of catching the disease is carelessness and negligence of the citizens, and in developing countries like India, population and illiteracy makes it even more difficult to control the disease. However, immunity can be the superhero in fighting against the virus that invades the host. Although a strong immunity is important to fight the disease, the symptoms show at a later stage by the body of a human with a stronger immunity and cases are getting critical in this case. After a long struggle, scientists have come up with vaccines that are 90% efficient and show some side effects. The world is expected to function only if 'herd immunity' is achieved, but it is expected that wearing masks would be the new normal.

INTRODUCTION

The world has witnessed Pandemics and overcame the consequences successfully. With time, the technology gave an uplift to medical science, some unimaginable treatments, experiments came out to be successful. Although, this advancement in technology could not help the world in curing a virus like Corona virus which is responsible for global pandemic. Corona virus has come up as the worst nightmare in the form of a pandemic for progressive sapiens in terms of health, wealth, prosperity, and various social well beings.

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BACKGROUND

Corona viruses are a family of viruses that causes infections like common cold. The strains of these viruses are often observed in animals like bats, camels, and this SARS- COV2 is expected to be determined from a bat while experimenting, in the virology labs of Wuhan, China.

When the virus started to spread in the 'Wet Market' of Wuhan, where animals were killed on the spot and sold to the consumers, it was thought that the strain affecting the humans came from the 'Pangolins' which are also noticed as scaly anteaters because bat was not sold in the market at that time. Later, the theories concluded, the variant was from the bat. On 11 February 2020, WHO named novel corona virus as COVID-19 where 'Co' stands for corona, 'Vi' stands for virus and 'D' stands for disease which emerged in 2019.

Since the Pandemic has started, the variant has mutated and evolved its shape seven times, making it difficult for the researchers to construct an effective vaccine or a medication to fight against the virus with minimum side effects.

HISTORY

Human corona virus, first portrayed during the 1960s, are liable for a considerable extent of upper respiratory tract diseases in kids. Since 2003, at any rate five new human Corona virus strains have been recognized. It is including the serious intense respiratory condition virus, which caused huge bleakness and mortality. The historical backdrop of human corona virus started in 1965 when Tyrrell and Bynoe found that they could entry an infection named B814. It was found in human undeveloped tracheal organ societies got from the respiratory plot of a child with a common virus.

The kid had regular indications and indications of the common cold and the washing was discovered to have the option to instigate common colds in volunteers tested intranasally. The infection, named B814, could be developed in human undeveloped organism tracheal organ tissue yet not in cell lines utilized around then for developing other known etiologic specialists of the common virus. (Parhlo, 30 March 2020)

EMERGENCE OF CORONA VIRUS

In 2019, China claimed that there was corona outbreak in the Wuhan City. The travel was held responsible for the spread of the virus outside the country. As the virus started to spread in the early 2020, the world went under lockdown and countries like Italy, America, India, Brazil and many more. The situation was out of control that the bodies were being dumped in big numbers in dump yards.

Every time a pandemic strike, it is expected to hit the population in four to five waves. The first was tackled with uttermost precautions and strictness. When things started to get normal countries unlocked the facilities that were under lockdown which emerged as the second wave of the corona virus, with variety of variants from different countries. The virus began to spread again and till date the world is cope up with the virus, although the vaccinations are in the market, citizens have become precautions, but it is observed that when a virus evolves, its transmissibility increases but the variant becomes less harmful, however, corona virus is becoming more transmissible and harmful with each evolution.

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