

Editorial

Corona virus: An Overview

A member of corona virus usually cause diseases in mammals and birds. But the viruses cause respiratory infections in humans such as common cold which are generally mild but some forms such as SARS, MERS and COVID-19 are lethal, upto now there are no vaccines or antiviral drugs available to prevent or treat human corona virus infections.

These viruses are enveloped viruses with a positive-sense single stranded RNA genome and a nucleocapsid of helical symmetry. The corona virus genome size ranges from 26 to 32 kilobases. These viruses belong to the subfamily Orthocoronavirinae in the family Coronaviridae in the order Nidovirales. The virus is named after the Latin *Corona* due to their characteristic appearance of the virus particles (virions).

In December 2019 an pneumonia outbreak started in Uuhan, China, and is going as on March 2020. At Present it has affected over 80000 people. Due to contagious nature of the virus, mortality made rate and resistance to treatment, it has invited extensive government action. The World Health Organization (WHO) gave the interim name 2019-n Cov and later renamed as , SARS-CoV-2 by the International Committee on Taxonomy of Viruses.

As on 20 February, 2020, altogether 2118 people died and more than 74000 people attended by corona virus.

Lee Weyenliyang who worked in Central Hospital, Uhan, China first reported about the Corona Virus and died of corona virus infection on 7th February, 2020. But this death exposed us to a greater reality that even we have developed scientifically but we are helpless to protect ourselves from any epidemic diseases.

Former Director, Mililang Spy Agency, Israel and Biological Warfare Expert Dany Soham claimed that Uhan Institute of National Lab is responsible for the spread of corona virus. Washington Times, USA medium claimed that secretary research has been done in this lab, China , however, refused to accept this charge.

Now the main questions is whether we will be able to discover any active vaccine at all, if yes then when.

Generally to develop vaccines against any disease it take several decades. Take an example of Ibola virus which became evident in 1996. In 2014 this disease spread in West Africa and several people died. After prolonged experiments and tests by scientists for developing vaccine against Ibola Virus, finally in 2019 the vaccine was developed which has been approved by W.H.O. So it can be easily assumed that development of vaccine for corona virus will also take several years. However in the meantime genetic sequence of corona virus has opened up to the whole world by China. Work has already started in deadly earnest since January 2020 for developing a vaccine and people are hoping that within a short time this vaccine will be available.

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