

## COVID-19: Pathogenesis and Complications

Salivendra Suhasini\*

Department of Biotechnology, Bhopal University, Madhya Pradesh, India

### Commentary

Covid-19 is a virulent disease in 2019 after the H1N1 flu pandemic in 2009. Corona virus infects breathing gadget in people like pneumonia, cold, sneezing and coughing. In animals it reasons diarrhea and top breathing diseases. COVID-19, is a relatively contagious disease. Corona virus is called primarily based totally on the advent of the virus beneathneath the microscope.

Corona virus can transmit thru airborne droplets from human to human or human to animal. During Corona virus enters in human mobileular via ACE-2 exopeptidase receptor. World Health Organization is cautioned to keep away from public locations and near touch to inflamed folks and keep away from giving shakearms. The Corona virus (2019-nCoV) changed into remoted from Wuhan marketplace China at 7 Jan, 2020.

The microbiologist and Virologist changed into commenced studies to apprehend those problems. After a diverse experiments they finish and apprehend the pathogenesis of corona virus. Corona virus is a unmarried stranded RNA viruses and it's miles blanketed with membership fashioned glycoprotein. Coronaviruses in particular understand their corresponding receptors on track cells *via* S proteins on their surface; access to the cells consequences in contamination.

According to the modern-day studies, the genome of the corona virus and SARS virus is comparable and version evaluation indicates that SARS-CoV-2 binds to ACE2 with excessive. Four sub sorts Corona viruses are alpha, beta, gamma and delta. Some of them had been have an effect on human and different affected animals.

Based at the proof the maximum not unusualplace course of transmission is droplets and near touch with inflamed man or woman and different course of transmission is aerosol. In addition, a few proof confirmed that Covid virus visible in samples of stool, gastrointestinal tract, saliva and urine. The incubation duration of corona virus contamination in people is three days. The signs are displaying inside 14 days of contamination. The not unusual place signs of COVID-19 are throat contamination, fever, cough, diarrhea and vomiting. Corona virus RNA has been detected in gastrointestinal tissue from sufferers with COVID-19. Moreover, SARS-CoV-2 changed into detected within side the tears and conjunctiva secretions of sufferers with COVID-19. There isn't any proof that opportunity of vertical transmission for pregnant women.

It infects at every age of humans. The price of contamination is excessive in older humans age extra than sixty five years than more youthful humans. To save you the transmission of contamination must hold 1m distance from man or woman to man or woman live home, wash your face and arms with sanitizer and live home. In global More than 27.five million humans had been identified with the coronavirus contamination and 897,383 have died. India is in 2nd function after the US of America within side the global.

Now there's no unique remedy for corona virus. The remedy for corona virus contamination consists of management of antipyretic and analgesic, preservation of hydration, ventilation, and makes use of of antibiotic in bacterial infections. If any affected person case is excessive with another fitness troubles like blood pressure, diabetes and breathing trouble then extra remedy consist of pills and therapeutics.

\*Corresponding author: Salivendra Suhasini, Department of Biotechnology, Bhopal University, Madhya Pradesh, India, E-mail: [salivendra\\_suhasini@rediffmail.com](mailto:salivendra_suhasini@rediffmail.com)

Received January 2, 2021; Accepted January 16, 2021; Published January 23, 2021

Citation: Suhasini S (2021) COVID-19: Pathogenesis and Complications. J Comm Pub Health Nursing 7: 263.

Copyright: © 2021 Suhasini S. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.