



COVID-19: Viral Biochemistry

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The sudden start of something bad like disease of coronavirus disease caused by extreme sudden and serious lung-related disease coronavirus 2 (SARS-CoV-2) is declared widespread disease by World Health Organization (WHO) keeping in view its infection rate and poisonous quality level. The whole world is struggling hard to survive the winning or most common health emergency. The authors understand/make real extremely important need of adding/giving a summary of the present picture/situation to the people who work to find information who are with difficulty breathing trying to combat this widespread disease situation. This review aimed at binding all the scattered data and research available till now on COVID-19 disease starting from its origin to transmission and spread through related to surrounding conditions or the health of the Earth factors till treatment and the safety measures that should be put into use. This article would possibly help the readers by providing an outlook of current picture/situation on different opinions/points of view of COVID-19 disease at a single quick look. The types, origin and poisonous quality caused are discussed in brief. The role of contaminated tiny solids mixed in with a gas viral-filled/loaded smoke from tobacco, cigarettes, wastewater, fomites, human and faecal matter are important in spreading the novel coronavirus in the health of the Earth/the surrounding conditions. There is no clearly stated/particular treatment till date but scientific fact-finding experiments and identification of a disease or problem, or its cause on more than two, but not a lot of known drugs are on-going. The step taken to prevent trouble or injury and safety measures could hopefully reduce number of Infections and death. The number of infected cases confirmed till 2 August 2020 was 17660523 with 680894 deaths in the world. We tried in this review article to summarize the scattered data available on the chemistry of living things of SARS-CoV-2, (related to surrounding conditions or the health of the Earth) spread of virus and the safety measures to combat COVID-19 widespread disease.

The method of action of already existing virus-killing drug remdesivir includes fear/stopping of behavior of RNA dependent RNA polymerase. The medically helpful role of remdesivir used

for Ebola treatment has proved effective in treatment against COVID-19 patients in US and other parts of the world. In a recent scientific fact-finding experiment, remdesivir was given to 53 COVID-19 patients who were on oxygen support or mechanical fresh air/machines that bring fresh air due to an oxygen saturation of 94 % suggested that into a vein management with 200 mg remdesivir at day 1, followed by 100 mg daily for 9 days, resulted in medical improvement in 68 % of the patients (36 out of 53). Though the rate at which people die was 18 % among patients on harmful fresh air/machines that bring fresh air while 5 % among those not buying and owning harmful fresh air/machines that bring fresh air. This finding suggested remdesivir contains/makes up a potential medically helpful option for COVID-19 patients not getting harmful fresh air/machines that bring fresh air. Since there is no specific medically helpful treatment till date for the deadly able to be easily caught from others SARS-CoV-2, this drug seems to be a potential other choice to combat COVID-19 cases and the scientific fact-finding experiments are happening now studies.

The potential malaria-killing drug Chloroquine phosphate which acts as the stopper of endosomal turning something more acid is not very long ago tested over more than 100 patients infected with COVID-19 disease in China. The results were positive and showed improvement in difficulties of dangerous lung disease along with shortening the course of new coronavirus disease. These findings demanded the scientific fact-finding experiments for chloroquine phosphate to treat COVID-19 connected dangerous lung disease cases. Hydroxychloroquine is also recommended to treat COVID-19 patients who controls the cytokine storm happening in very much/very badly ill SARS-CoV-2 patients at later phase of infection. In one recent study, azithromycin 500 mg on day 1, followed by 250 mg per day on day 2-5 was shown to noticeably improve the anti-SARS-CoV-2 activity of hydroxychloroquine 200 mg three times per day for 10 days in the treatment of 20 patients extremely sick with COVID-19 infection. This way the finding suggested the medicine-based result of these patients was the result of this combination therapy.

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