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A Review Article on: Covid-19

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ABSTRACT:

The coronavirus disease 19 (COVID-19) is a highly transmittable and pathogenic viral infection caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), which emerged in Wuhan, China and spread around the world. Genomic analysis revealed that SARS-CoV-2 is phylogenetically related to severe acute respiratory syndrome-like (SARS-like) bat viruses; therefore bats could be the possible primary reservoir. The intermediate source of origin and transfer to humans is not known, however, the rapid human to human transfer has been confirmed widely. There is no clinically approved antiviral drug or vaccine available to be used against COVID-19. Human-to-human transmission has been described with incubation times between 2-14 days, facilitating its spread via droplets, contaminated hands or surfaces. Early diagnosis, quarantine, and supportive treatments are essential to cure patients. We therefore reviewed the literature on all available information about the epidemiology, diagnosis, isolation and treatments of COVID-19. Treatments, including antiviral agents, chloroquine and hydroxychloroquine, corticosteroids, antibodies, convalescent plasma transfusion and vaccines, will be discussed in this article. Additionally, registered trials about treatment were listed to develop approaches for the current urgent demand for therapy.

KEYWORDS: 2019-nCoV, SARS-CoV, COVID-19, Emerged, Transmit, Prevention and Control, review, etc.

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