



Review article

COVID-19: A brief overview of diagnosis and treatment

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Received on: 17/07/2020, Revised on: 22/07/2020, Accepted on: 26/07/2020, Published on: 04/08/2020.

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Keywords: SARS-CoV-2, COVID-19, pandemic, diagnosis, respiratory disease, therapy, Drug evaluation history.

Vol. 7 (3): 21-38, Jul-Sep, 2020.

Abstract

In late December 2019, several pneumonia cases caused due to 2019-nCoV were reported in Wuhan, China. The disease caused by this novel virus was termed as Coronavirus Disease-19 (COVID-19) by WHO on the 11 February, 2020. The outbreak of COVID-19 has spread to more than 150 countries with over 12,552,765 confirmed cases and over 561,617 confirmed deaths worldwide as of July 12, 2020. The Department of Health and Human Services (HHS) and WHO have declared COVID-19 as a global emergency affecting multiple countries and has made provisions to meet the requirements across the globe addressing the disease. The current review systematically summarizes the overview of the current status of COVID-19 across the globe along with the virulence characteristics of the pathogen, diagnostic approaches, the recent trends in diagnosis, therapeutics under study, and approved therapies for the treatment of the disease. A short summary of all the ongoing work in India, with respect to technologies to combat COVID-19 have been discussed in brief herein. This concise study shall be helpful for the future researchers with the updated knowledge on COVID-19.