

COVID-19 - A DEADLY PANDEMIC!!

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Introduction

There is a new public health crisis threatening the world with the emergence and spread of 2019 novel corona virus (2019-nCoV) or the severe acute respiratory syndrome corona virus 2 (SARS-CoV-2). The virus originated in bats and was transmitted to humans through yet unknown intermediary animals in Wuhan, Hubei province, China in December 2019. The first recorded death from the new virus was on Jan. 9, a 61-year-old man from the Chinese city of Wuhan who was a regular shopper at a wet market that has been identified as the source of the outbreak. The disease is transmitted by inhalation or contact with infected droplets and the incubation period ranges from 2 to 14 day. The symptoms are usually fever, cough, sore throat, breathlessness, fatigue, malaise among others. It may progress to pneumonia, acute respiratory distress syndrome (ARDS) and multi organ dysfunction.¹

Prevention entails home isolation of suspected cases and those with mild illnesses and strict infection control measures at hospitals that include contact and droplet precautions. The global impact of this new epidemic is yet uncertain.¹

A corona virus is a type of general virus that causes an infection in your nose, sinuses, or upper throat. Here some risk factor regarding Corona virus include Chronic kidney disease, Chronic obstructive pulmonary disease (COPD), A weakened immune system because of an organ transplant, Obesity, Serious heart conditions such as heart failure or coronary artery disease, Sickle cell disease. Some Conditions that lead to severe COVID-19 illness include: Moderate to severe asthma, High

blood pressure, a weakened immune system because of a blood or bone marrow transplant, HIV, or medications like corticosteroids, Pregnancy, Damaged or scarred lung tissue, Thalassemia.²

Corona virus spreads through a sick person coughs or sneezes. They can spray droplets as far as 6 feet away. If you breathe them in or swallow them, the virus can get into your body. Some people who have the virus don't have symptoms, but they can still spread the virus. You can also get the virus from touching a surface or object the virus is on, then touching your mouth, nose, or possibly your eyes. Most viruses can live for several hours on a surface that they land on.²

A novel corona virus was identified as the causative agent and was subsequently termed COVID-19 by the World Health Organization (WHO). Considered a relative of severe acute respiratory syndrome (SARS) and Middle East respiratory syndrome (MERS), COVID-19 is caused by a beta corona virus named SARS-CoV-2 that affects the lower respiratory tract and manifests as pneumonia in humans. Despite rigorous global containment and quarantine efforts, the incidence of COVID-19 continues to rise, with 90,870 laboratory-confirmed cases and over 3,000 deaths worldwide. In response to this global outbreak, we summarize the current state of knowledge surrounding COVID-19.³

The number of infections of novel corona virus (COVID-19) disease crossed 9.5 million globally on Friday, with the United States reporting the highest number (2,418,570), followed by Brazil (1,228,114), Russia (613,148), and India (473,105) on the fourth position. Globally, the death toll has touched 4, 89,556 and 4,849, 802 has recovered so far.⁴

The US reported the highest number of deaths in the world, while Brazil reported the highest number of recoveries. India stood at the fourth position when it came to the total number of recovered people, with the number at 2, 71,697.⁴

The WHO later announced that a novel corona virus had been detected in samples taken from these patients. Since then, the epidemic has escalated and rapidly spread around the world, with the WHO first declaring a public health emergency of international concern on 30 January 2020, and then formally declaring it a pandemic on 11 March 2020. The condition has been given the official name of corona virus disease 2019 (COVID-19). Clinical trials and investigations to learn more about the virus, its origin, how it affects humans and its management are ongoing.⁵ recently one article published in times of new India on 29-6-2020 “The death toll

from Covid-19 reached half a million people on Sunday, according to a Reuters tally, a grim milestone for the global pandemic that seems to be resurgent in some countries even as other regions are still grappling with the first wave.” This respiratory illness generally effects on the pediatrics and more dangerous in geriatrics. One side While the overall rate of death has flattened in recent weeks, but on other side the new cases are increased in countries like the United States, India and Brazil, as well as new outbreaks in parts of Asia. Similar article shows some statistical data, 4700 death in 24 hours with COVID-19 linked illness on the base on Reuter’s calculation on an average from June 1 to 27.⁶

Conclusion

COVID-19 emerging condition in whole world. The virus originated in bats and was transmitted to humans through yet unknown intermediary animals in Wuhan, Hubei province, China in December 2019. Corona virus is spread through sick person coughs or sneezes or droplets. Corona virus affects the respiratory system. Prevention entails home isolation of suspected cases and those with mild illnesses and strict infection control measures at hospitals that include contact and droplet precautions

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