



CORONAVIRUS OUTBREAK

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ABSTRACT:

Coronaviruses are a large family of virus that cause illness ranging from common cold to more severe diseases such as Severe Acute Respiratory Syndrome. Common signs of infection include respiratory symptoms, fever, cough, shortness of breath. In more severe cases infection can cause Pneumonia kidney failure and death.

Standard recommendations to prevent infection include regular and proper hand washing, covering mouth and nose when coughing and sneezing, thoroughly cooking meat and eggs. Avoid close contact with anyone showing symptoms of respiratory illness using surgical mask.

Index Terms- Coronavirus, Wuhan, Severe Acute Respiratory Syndrome.

INTRODUCTION

Coronavirus also called COVID-19 a dreadful disease was first identified in Wuhan, China, in December 2019. COVID-19 continues to spread primarily in china but the disease has also been flared up in some dozen full of other countries.

The head of World Health organization Mr.Tedros Adhanom quoted that, "This outbreak could still go in any direction."

Origin of Coronavirus:

1. Coronaviruses originated in animals like camels, civets and bats and are usually non transmissible to humans.
2. But occasionally when a coronavirus mutates it can pass from animals to humans & then from human to human.
3. COVID-19 infected most of the cases were traced to an animal market in Wuhan and are believed to have come from contact with live animals that, were infected.

Symptoms of Coronavirus:

1. Early symptoms include fever and dry cough.
2. The victim may also have headache fatigue.
3. Shortness of breath can develop about 5 days.
4. According to WHO 80% of cases seem to be mild suffering from cold like symptoms.
5. These patients should rest and drink plenty of fluids and self isolate to avoid infecting others.
6. About 20% of cases are severe and for them hospitalization is mandatory
7. In severe cases symptoms include pneumonia and kidney failure.

Confirmation of Virus infected:

1.The CDC can confirm the virus with a diagnostic test that is developed based on the genetic sequence of the virus that Chinese health officials obtained and made publicly available on Jan.12

Who is more prone to be infected?

1. According to WHO around three quarters of cases have been in people above 40 years of age.
- 2.The cases who died had significant history of chronic diseases like Cardiovascular disease and diabetes.

Treatment for COVID-19

1. COVID-19 has no specific treatment.
2. CDC suggests supportive care to manage and relieve symptoms.
3. No approved Vaccine available.

COVID-19 affected countries.

U.S. Australia, Canada, Finland, France, Germany, Japan, Malaysia, Nepal, Philippines, Singapore, South Korea, Taiwan, Thailand and Vietnam.

COVID-19 Spreading how?

1. Exchange of fluids via respiratory tract.
2. The way that a disease like the flu spreads.

How dreadful the virus is?

- 1.The virus is highly infectious.

What Precautions have been taken to control the spread of COVID-19:

- 1.The transportation to and from wuhan by bus, ferry, airplane train has been restricted from the Government officials in china.

Conclusion:

COVID-19 has spreaded a dreadful fear all over the world. The situation can be responsibly handled without panic and essential safety measures and habitual hygienic care.

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