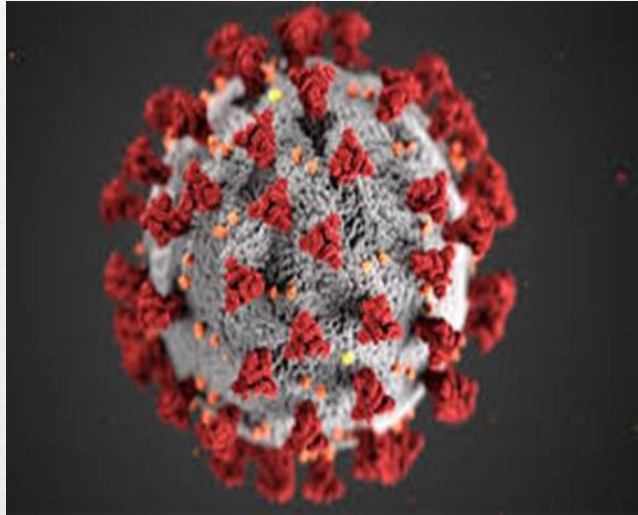


COVID-19

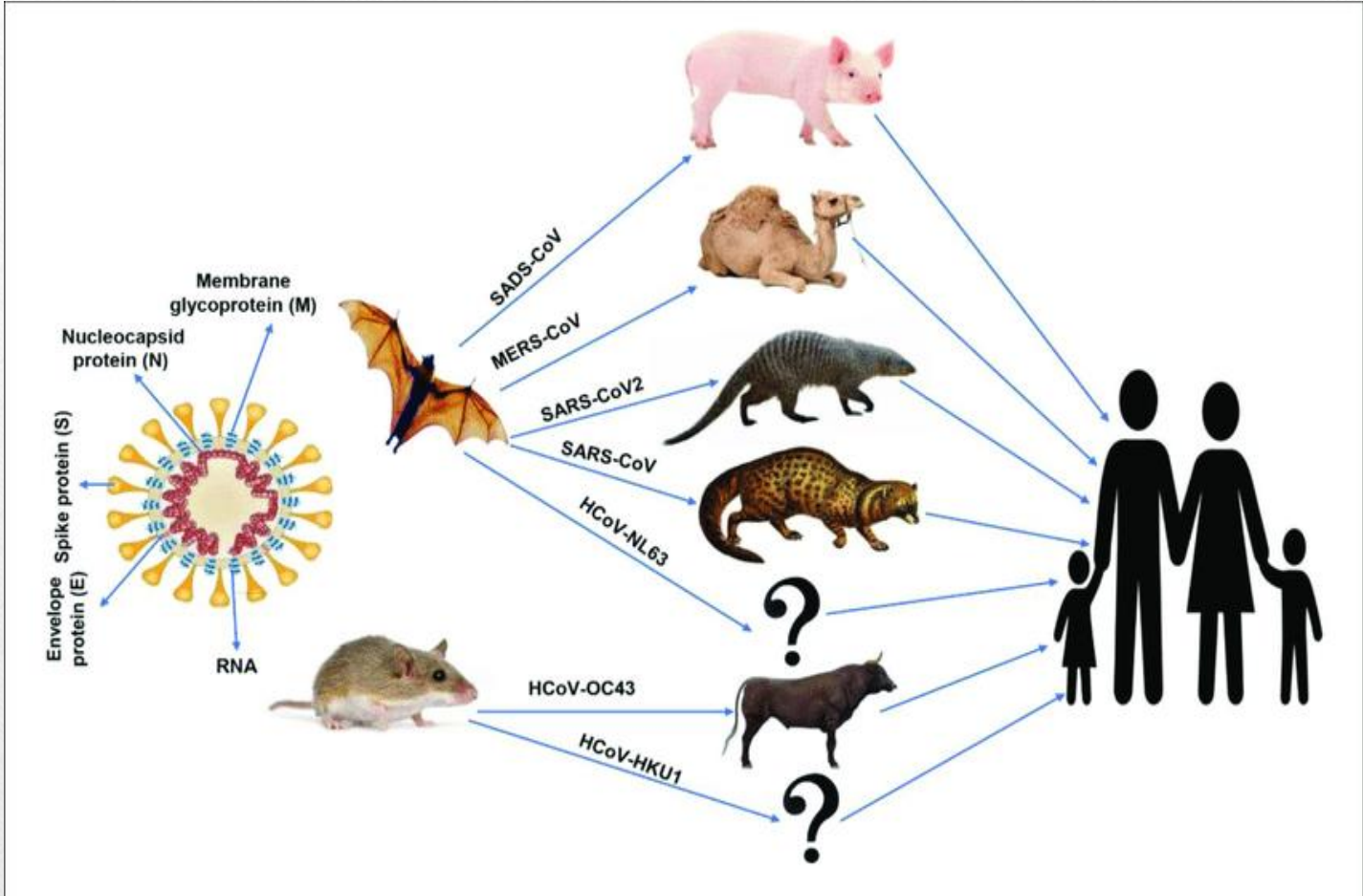


Introduction

- The word 'CO' stand for corona 'VI' for virus and 'D' for disease.
- The new strain of coronavirus , COVID-19 was first reported in Wuhan , China In December 2019.

Source of coronavirus

- Coronaviruses are often found in Bats , Cat and Camels.
- The viruses live in but do not infect the animals .
- Although researches do not know exactly how people were infected , but they already have evidence that the virus can spread directly from person to person through close contact



Spreading of COVID-19

- The viruses travels in respiratory droplets when an infected person cough, sneezes , talks , sings or breathes.
- The virus travels in small respiratory droplets that linger in the air for minutes to hours from an infected person.
- This method of spread is more likely to occur in enclosed spaces with poor ventilation.

Risk of getting COVID-19

- People who had close contact with a person who has a laboratory – confirmed or a suspected case of the COVID-19 virus.
- People over age 60 who have a weakened immune system or pre-existing medical, diabetes, obesity ,asthma , heart , liver and kidney disease .

Prevention Of COVID-19

Signs and symptoms COVID-19

- Fever or chills
- Cough
- Shortness of breath or difficulty breathing
- Tiredness
- Muscle or body aches
- Headaches
- Loss of taste or smell

Warning signs COVID-19

- Trouble breathing
- Persistent pain or pressure in the chest
- Confusion or disorientation
- Inability to across
- Bluish lips of face
- Low level of oxygen saturation (below 90%)
- High temperature (above 38°)

Diagnostic Tests for COVID-19

- Mainly two tests are used to detect COVID-19
 1. The real time polymerase chain reaction (RT-PCR) test.
 2. Rapid diagnostic tests based on antigen detection

The real time polymerase chain reaction (RT-PCR)

- Samples are collected from the nose and throat with a swab .
- Molecular tests detect the virus in the samples by amplifying viral genetic material to detectable levels.



Rapid diagnostic tests based on antigen detection

- Rapid antigen test (sometimes known as a rapid diagnostic tests - RDT) detect viral proteins known as antigens .
- Samples are collected from the nose and throat with swab .

- These tests are cheaper than PCR and after results more quickly , although they are generally less accurate.
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Management and treatment of COVID-19

- If the person is not hospitalised
 - No specific antiviral or immunotherapy is recommended.
 - In case of fever , drink plenty of fluids (water is best) get lots of rest ; take antipyretics like acetaminophen (Tylenol).

If the person is hospitalized

Iv Remdesivir with or without the oral (by mouth) corticosteroid dexamethasone is recommended.

- Chloroquine or hydroxychloroquine with or without azithromycin.
- Supplemental oxygen.
- Mechanical ventilation.
- Extracorporeal membrane oxygenation. The person continues to receive treatment while a machine pumps the blood outside his body. It takes over the function of body lungs and heart.

Vaccine for COVID-19

- India initially approved the Oxford , AstraZeneca vaccine vaccine manufactured under license by Serum Institute **Covishield** and **Covaxin** developed locally by Bharat Biotech .
- **Covaxin** is India's indigenous COVID-19 vaccine by Bharat Biotech is developed in collaboration with the India Council of Medical Research (ICMR) and the National Institute of Virology.



- **Covishield** is the vaccine developed by the Pune – based Serum Institute of India and was approved by the Expert Committee (SEC) of the Drug Controller General of India (DCGI).



Social Welfare Schemes for COVID-19 crises in India

- The India government has taken certain steps to control this widespread COVID-19 virus.
- Due to coronavirus outbreak and seeing the condition , the government has so far taken a calibrated approach to offer relief and welfare package for farmers workers in the unorganized sector and for the poor.

Reference

- R Sheewani
- Varindar kaur

A flat-lay photograph featuring a central smartphone with a black border. The screen of the phone is white and displays the words "THANK YOU" in a bold, black, hand-drawn font. The phone is surrounded by an assortment of dried floral elements, including clusters of light pink and peach-colored flowers, some with dark brown leaves, and delicate sprigs of purple and pink flowers. The entire arrangement is set against a plain, light gray background. The photograph is framed by a white border, which is itself set within a larger, textured gold-colored frame. Two black horizontal bars are visible on the left and right sides of the white border, suggesting the photo is part of a photo album or a similar display.