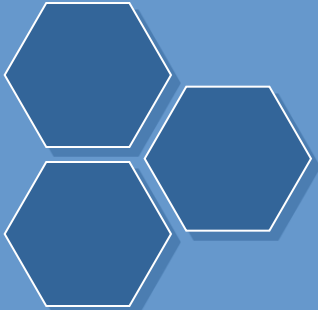
A microscopic image showing several red blood cells (erythrocytes) in the background. In the foreground, a large, spherical coronavirus particle is visible, covered in numerous spike proteins (S proteins) that give it a crown-like appearance. The particle is rendered in a light grey or white color, contrasting with the red blood cells.

The New Corona Virus Disease 2019 (nCOVID-19)



Corona Viruses

- Target and affect respiratory system of mammals
- Global outbreaks caused by 2 corona viruses in the past
 - **SARS** (Severe Acute Respiratory Syndrome) emerged from China in 2002
 - **MERS** (Middle East Respiratory Syndrome) emerged from Saudi Arabia in 2012
- Human contact with infected animal leads to corona virus infection
 - Common carriers: Bats
- **Corona Virus Disease 2019 (COVID-19)**
 - Causative agent: SARS-CoV-2
 - More infectious than other corona viruses; less likely to cause death



Corona Virus - Transmission

Infected Animal (Bats - - most common)



Human

Transmission through Respiratory Route
(Virus lodged in nose and lungs of infected person passes to another person through droplets from nose and mouth while coughing)

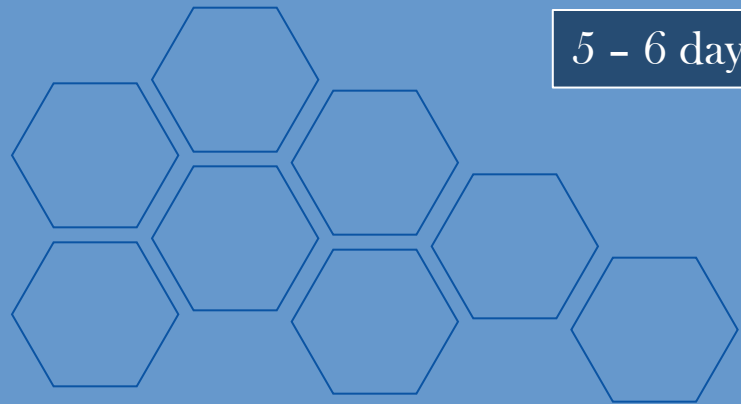


Human Human Human

5 - 6 days incubation in respiratory tract



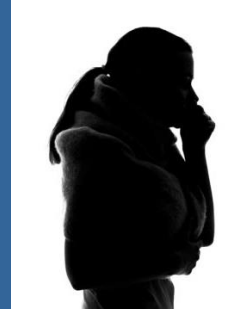
Symptoms



Corona Virus - Symptoms

Initial Symptoms (Flu like)

Fever



Dry cough
Sore throat

Disease Progression

Fever does not subside after 5 days; Productive cough (with phlegm)

Disease Progression

Fever, productive cough
Muscle pain & Diarrhoea (Sometimes)

Disease Progression

Emergency Signs

Shortness of Breath, Pneumonia

Prevention of Corona Virus Infection



Frequent and thorough
Hand Wash



Cover mouth while coughing



Thorough cooking of meat
and eggs



Avoiding close contact with person
showing symptoms



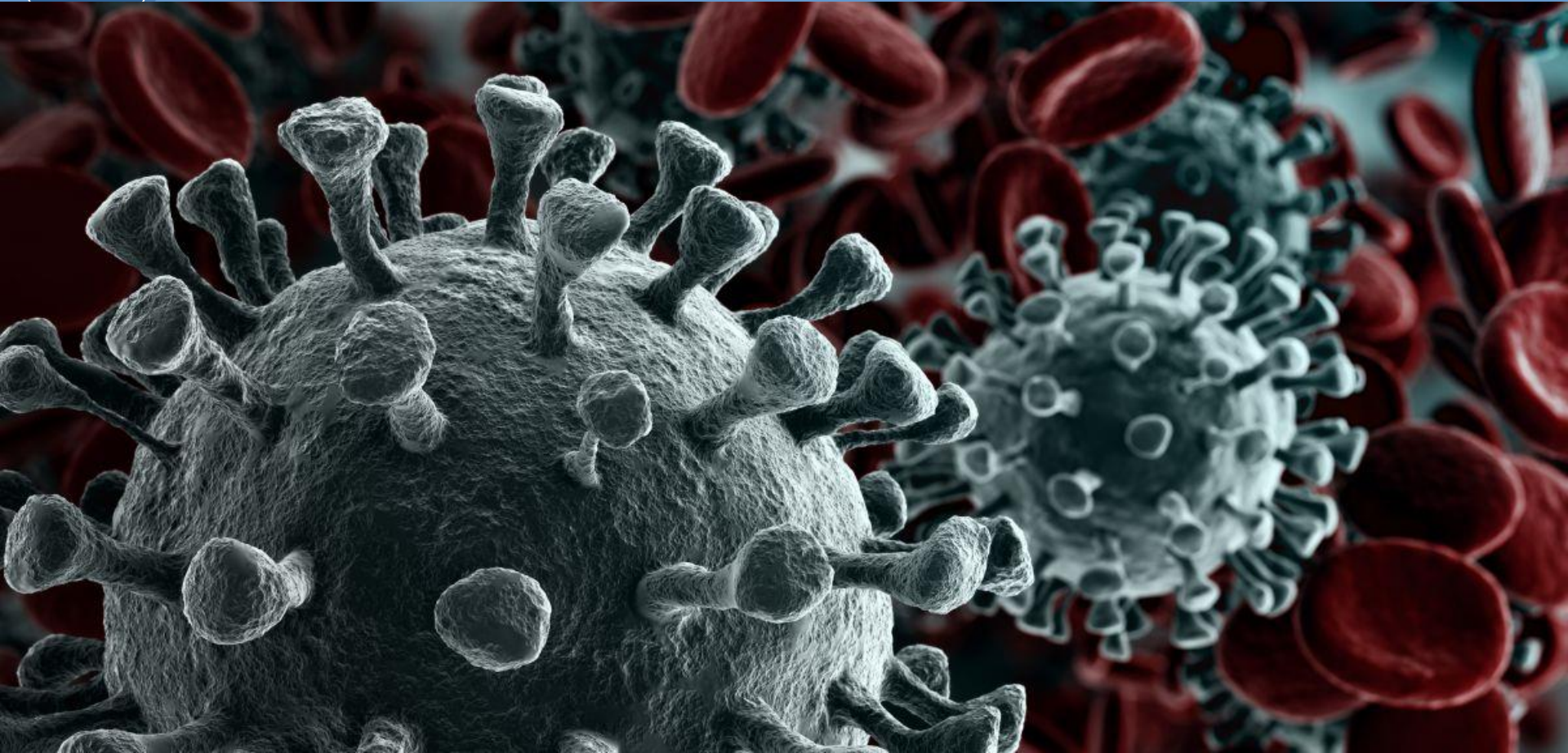
Avoiding social gathering



Wearing protective mask if caring for
a COVID infected person



COOPERATE TO FIGHT THE nCOVID-19



References:

[cdc.gov/coronavirus/2019-ncov](https://www.cdc.gov/coronavirus/2019-ncov)
[medicalnewstoday.com](https://www.medicalnewstoday.com)