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Assignment

Explain the histological basic of upper respiratory system (conducting portion of the respiratory system) attacked by corona virus.

Corona Virus is a large RNA virus that infects the human respiratory tract/ system. It originated in China in the year 2019. The early symptoms of this virus are fever, cough, common cold and usually shortness of breath.

These symptoms appear 2-14 days after exposure. This virus can remain viable on surface for hours and even days. It enters the lungs directly when inhaled. When it enters the body it spreads to the nasal cavity and to the mucus membrane in the throat attaching to the body cells receptors.

The viral particles stick unto the outer walls of the host cells, the virus genetic material branches the cell membrane and then it hijacks the cells and replicates the virus, infects other cells in the body. This virus then moves from the back of the throat and down to the bronchial tubes toward the lungs.

The infection gets to the lungs causing an inflammation to the lungs and damaging the air sacs. The inflammation hampers the lungs ability to oxygenate the blood. The CO_2 is removed or taken out through the blood stream.

The corona virus starts on the outer part of the sides of the lungs then moves to the sensitive areas which are the upper respiratory tract and trachea. It can also enter the blood stream and infect the gastrointestinal system.

The disease attacks the lungs in three phases; the viral replication, immune hyper reactivity, and pulmonary destruction.