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ANA 204

Explain the histology basic of upper respiratory system (conducting portion of the the respiratory system) attacked by Corona virus

Coronavirus are a family of virus which causes illness such as common cold, Severe Acute Respiratory Syndrome (SARS) and Middle East Respiratory Syndrome (MERS). It is a disease that affects the respiratory system. It attacks healthy cells and multiplies throughout your body.

The illness that is caused by the corona virus starts with the droplets of an infected persons cough, sneeze or breath. You could get it from surfaces or from direct contact with your mouth, nose or eyes. This gives the virus passage to the mucous membrane in your throat. It incubates in the respiratory tract (particularly the trachea) for about 14 days before the symptoms begin to show, the early symptoms are sore throat, a fever, or a dry cough. It moves deeper into the respiratory tract and makes its way to the lungs. As it gets to the lungs, it may inflame the lungs making it tough for you to breathe. This can lead to pneumonia with causes oxygenation of the blood in the lungs to become difficult. For some people the symptoms end with the cough and the fever. But for some it is severe, about 5-8 days of the symptoms they begin to have shortness of breath which is known as *dyspnea*. Acute respiratory distress syndrome (ARDS) begins a few day later. ARDS can cause rapid breathing, a fast heart rate, dizziness ,and sweathing. It damages the tissues and blood vessels int he alveoli, which causes debris to come inside them.this makes it harder and more difficult to breathe. As fluid collects in the lungs, they carry less oxygen to the blood. And as there is not enough oxygen being taken to various it could lead to organ failure. Your kidneys, lungs, and liver can shut down and stop working. However, some infected patients may be asymptomatic despite having the virus in their system.