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**COURSE TITLE; CROSS ANATOMY OF THE THORAX AND ABDOMEN**

**DEPARTMENT; HUMAN ANATOMY**

**Question**

**Covid- 19 is the ongoing viral pandemic in the world and the reason you are at home**

**Discuss the anatomical implication of this virus on the respiratory system of human**

**Corona virus (coV) are large family of viruses that causes illness ranging from the common cold to more severe diseases such as middle east respiratory syndrome(MERS-coV) and severe acute respiratory syndrome (SARS-coV)**

Common signs of infection include respiratory symptoms’ , fever, and cough, shortness of breath and breathing difficulties. In more severe cases, infection can cause pneumonia, severe acute respiratory syndrome, kidney failure and even death

The corona virus attack the respiratory system from the lungs, the lungs is what make us breath in the

Respiratory system, because it is the primary organ of the respiratory system in human and many other animals

The corona virus attack the lungs in three different phrases

1. The viral replication
2. The immune hyper-reactivity
3. Pulmonary destruction

When the lung becomes progressively more damaged, which trigger the acute respiratory distress syndrome or ARDS.THIS TYPICALLY DEVELOPS SEVEVEN TO 14DAYS INTO THE COURSE OF THE ILLNESS? The lungs become less efficient at exchanging oxygen and carbon dioxide and continue to become inflamed

The virus is a very dangerous disease which we must avoid because it is a very deadly disease, covid 19 come with difficulty in breathing most especially, when treating the covid 19 only the young people may survive it mostly because the old immune system might not be able to survive it. if the immune system is weak it is a very bad thing to the body.

The lungs exhibit liqud protienaceous secretion, fibrous connective tissue lesions with patchy inflammation and multinucleated giant cells .the lining of the respiratory tree becomes injured, causing inflammation. This in turn irritates the nerve in the lining of the airway. Just a speck of dust stimulates the cough. But if it gets worst, it goes past just the lining of the airway and goes to the gas exchange units which are at the end of the air passaged.if the become infected they respond by pouring out inflammatory materials into the air sacs that are at the bottom of the lungs and end up with pneumonia.

Lungs that becomes filled with inflammatory materials are unable to get enough oxygen to the bloodstream, reducing the body ability to take on oxygen and get rid of carbon dioxide