

NAME: UBA AMALACHUKWU

DEPARTMENT: PHARMACOLOGY

MATRIC NUMBER: 18/MHS07/051

COURSE CODE: ANA 202

Question: Covid-19 is the ongoing viral pandemic in the world and the reason you are at home. Discuss the anatomical implications of this virus on the respiratory system of human.

ANSWER

Covid-19 affects the respiratory system of humans causing symptoms such as coughing and shortness of breath; this is caused when the virus reaches the respiratory tree; the air passages that conduct air between the lungs and the outside. The lining of the respiratory tree becomes injured, causing inflammation which irritates the nerves in lining of the airway. The lining can become irritated and inflamed. This can stimulate a cough. A coronavirus typically infects the lining of the throat, airways and lungs. It infects both the upper and lower part of the respiratory tract. It travels down the airways.

Covid-19 can cause pneumonia (either direct viral pneumonia) and bronchitis (either direct viral bronchitis or secondary bacterial bronchitis). Pneumonia occurs if the virus causes

infection of one or both lungs. The tiny air sacs in the lungs can fill with fluid or pus, making it harder to breathe. Affected lungs are unable to get enough oxygen across to the bloodstream, reducing the body's ability to take on oxygen and get rid of carbondioxide. This usually causes death.