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DEPARTMENT: PHYSIOLOGY

ANA202 ASSIGNMENT

QUESTION: DISCUSS THE ANATOMICAL IMPLICATION OF THIS VIRUS ON THE RESPIRATORY SYSTEM OF HUMAN.

ANSWER:

Human corona virus are large RNA viruses that infect the human respiratory tract. To establish a link between the research conducted in animal model and humans.

When a person with the covid 19 develops a cough, fever, difficulty in breathing, this is a result of the infection reacting on the respiratory tract, the air passages that conduct air between the lungs and outside. The lining of the respiratory tract becomes injured causing inflammation. This in turn irritates the nerves in the lining of the airway but the gas exchange which are at the ends of the air passage. If they become infected, they respond by pouring inflammatory materials into the air sacs that are at the bottom of the lungs.

Once the lungs get infected and if it involves the air sacs then the body’s responses is first to try and destroy it (the virus) to limit its replication. Furthermore, no commercial vaccine is available leaving the human population vulnerable to emerging coronavirus infections. Both the severe acute respiratory syndrome and Middle east respiratory syndrome coronavirus have recently crossed the species barrier and entered the human population to cause severe disease.