

# Why Do Coronavirus Like to Attack Our Respiratory System?

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**Abstract** As we all know, some medical problems cannot be explained from a medical point of view, but if we look at it from another angle, it may be simple. This article is to try to explain a medically unexplainable disease from the perspective of electricity. Results indicated that we can employ the basic electromagnetic theories explain them very easily.

**Keywords** Coronavirus, Corona discharge, Triboelectric effect, Triboelectric series, Coulomb's law

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## 1. My Hypothesis

I assume that the predecessor of the coronavirus is a common virus, but for some reason this virus also carries a lot of positive charges.

### 1.1. Corona Discharge Occur

Since electric current can drive the movement of substances [1], therefore when the aforementioned common virus undergoes electrical corona discharge, it logically manifests the corona conformation.

## 2. Residual of Positive Charges

Following from the electrical corona discharge, from an electrical point of view, there must be a small amount of residual positive charges on the surface of the coronavirus. Accordingly, we have a lot of effective ways of capturing them by mean of electromagnetic theory and prevent them from entering our respiratory system.

## 3. A Medically Unanswerable Question

**Why do coronavirus like to attack our respiratory system?**

This is a result of the well known electromagnetic effect — Triboelectric effect [2]. When we breath, the movement of air triggers the Triboelectric effect in our trachea and lungs. According to the Triboelectric Series [15] "air" is definitely positively charged. **Hence, our respiratory**

**system is charged negatively.** As per Coulomb's first law [12], it states that like charges of electricity repel each other and unlike charges attract each other. As we presume that coronavirus still carries positive charges, therefore by Coulomb's attractive force [13], it is natural for the coronavirus to carry out an attack on our respiratory system.

## 4. Methods

**Two easy ways in response to the spread of coronavirus:**

4.1. In reference to the Triboelectric Series [15], Teflon exhibits the most negative polarity of charge separation during Triboelectric effect. This makes Teflon the best candidate for face mask filter.

4.2. All ventilation systems are fitted with new filters which are connected to a negative electrode. Better still, we can have negative charged metallic screen mesh cover for ceilings, and Teflon coated for floorings.

## 5. Conclusions

Although this article is just a hypothesis, the results can really perfectly explain the characteristics of most of the coronaviruses that attack our respiratory system.

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