

## **“Do You Know? I think you do”**

Minute particle that invisible through naked eyes may cause infection after lodging onto the suitable surface of the animal body- yes your assumption is correct indeed.

**What does it that I want to share?**

Well you are all facing a massive pulverized thrust due to well-known Pandemic condition. Yes I am going to share with you about COVID-19 as per best of my knowledge. So let me take you to the topic in my way.

Dear all (Humankind)

Virus is an infectious tiny minute particle that nonliving at outside the human body (Host) and after getting contact with human site specific interaction will allow the virus to rent your genetic mechanism, and after a week or two it becomes your landlord of the body.

## **Why it is COVID-19?**

Ok, if you are aware of SARS virus and Corona Virus, you probably understand the virus well. If not don't worry. Virus has several cell components. Though all virus are unicellular. The outer covering made up of protein subunit. The outer surface may or may not contain any sculpture (Spike or Attachment papilla), inside the protein layer contain genetic unit (DNA or RNA).

For this Novel CORONA virus their genetic materials are RNA and more or less similar with the hybrid incorporation of genetic materials of SARS and Corona Virus-2. So COVID-19 names after 3syllabic words.

**CO= Corona; VI= Virus; D= Disease; 19=2019**

## **How does it spread and what are the Symptoms?**

Well, this is spread out through respiratory droplets, if you by mistake inhale or touch the face after touching the carrier personnel or droplet containing surface it may get the invitation of your body access.

Now if I consider the symptoms of the disease it may cause dry cough, sneezes, heavy muscle pain, and high fever with breathing shortness. It may be persist for a week or two as per World Health Organization.

## **Why we so panicked?**

Till date we know there are several deaths across the globe. As day by day fear has loomed large, World Health Organization has no other way than to declare it as a pandemic.

## **Why it is Pandemic?**

As per statistic the rate of viral spread is 3 persons per minute while in common flue it may spread only one person per minute. That has made a clear picture of rate of infection throughout the globe. For common flue you have either body immunity to early recovery or vaccine to control the viral proliferation. Unfortunately both options are unavailable till date and death makes inevitable stepping stone.

## **Why people need Ventilator to survive for this disease?**

Well, Ventilator is an intubation medical apparatus for artificial breathing. This novel virus may once enter in our body it proliferates through our lungs. At the end of wind pipe (trachea) the minute balloon like flexible organs are present. This is known as Alveoli. This organ after contraction and expansion helps breathe in and breathe out. But if virus is there it swells up and fluid materials are deposited inside and outside the organ to minimize the friction with the wind

pipe wall (Pneumonia like symptoms). This may reduce the breathing duration and lack the supply of oxygen to the whole body for metabolism. This is severe condition and patient may need artificial respiratory apparatus to overcome the body oxygen deficiency.

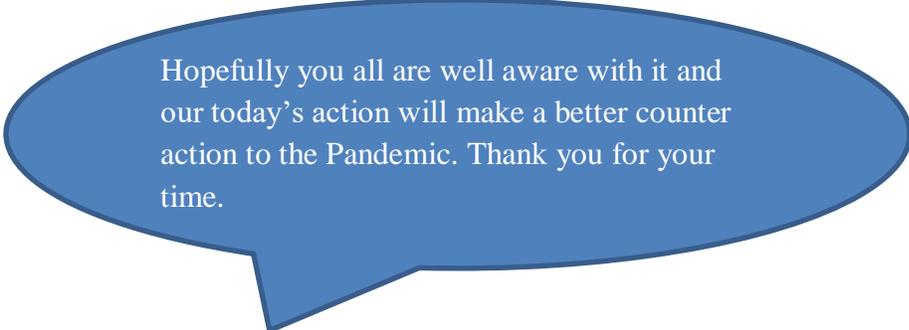
### **Who are then most vulnerable?**

As per World Health Organization

1. Older than 65 years.
2. Have to live in care unit for long term medical supports.
3. Having chronic lung and heart disease or underlying medical conditions like diabetes, renal disease or liver disease.
4. Immuno- compromised patients are very vulnerable to the disease.

### **So what we now do?**

Actually no rituals and spells are completely finishing the pandemic situation. So we need a better social and health practice as guided by World Health Organization.



Hopefully you all are well aware with it and our today's action will make a better counter action to the Pandemic. Thank you for your time.

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