

## **Possibilities of Left Hand thumb Rule on COVID-19 Virus and materials to break the Chain**

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**Idea Originator:** Jv'n Dr Panckaj Garg

Acknowledge to the Idea Originator: The idea to analyse the safety measures for containment of Corona Virus (COVID – 19) infection is brainchild of JV'n Sir Dr. Panckaj Garg who always strives for betterment of community, this study is the part of those chain of efforts being done by him for community development, the basic purpose is to search & study the all safety practices which can be done to combat corona infection & to save the humans from this fatal corona pandemic.

**Correlation with Indian Literatures:** Earlier historical contribution of India to the science had been enormous in all respect. When it is Referred to Ayurvedic Sciences to see that there are wonderful Sanskrit scriptures explaining various concepts exists scientifically, Almost For Indians, Vedas are the knowledge bases and have various values and virtues for the better living for the human beings. Interestingly, It is laser fact that the Vedic scriptures are spiritualistic, and there are also various descriptions about the knowledge of advance science concepts in Veda and others ancient literatures, where Vedas contain enormous amount of knowledge source, though and this did not go in depth about the concepts of science and technology existing fact is that this bears basic concept of Fundamentals for today's Research. Some concepts used in the verses of Vedas which reveals the knowledge on different aspects of science

### **Abstract**

During the COVID-19 outbreak in Taiwan, Hongkong,---, lesser causality counted and the impact of this epidemic halted without extraneous Medical Zig zag, citizen of these countries adopted their home based tactics- use of left hand might had been one of them rather than other precautionary measures. Taiwan engaged in 124 discrete action items to prevent the spread of the disease, effectiveness in quarantining the people and by using the "electronic fence" to slow down the virus. Each particle of the Universe attract each other with the force of gravity where as in the case of charge particle, force of attraction between two charges are directly proportional to the product of the masses and inversely proportional to the square of the distance between them, Fleming's left hand rule also says about the direction of the magnetic field arises by using three fingers of the left hand, social distancing and hand washing with the soap may come under the preview of Break chain of COVID- 19

**Keywords:** COVID-19, Gravitation, Attraction, Magnetic field, Epidemic, Left hand rule, Electric fence.

### **Introduction**

Sudden outbreak of COVID -19 lives of almost all creatures existing on the surface of the earth and there is high negative impact of the Epidemic on the Ecosystem existing. Center of planning, correlation and Integration of Jayoti Vidyapeeth Women's University is regressively working and not only making aware to the community but suggesting

some majors to combat this situation. In this series, author has tried to study COVID-19 outbreak in Taiwan, Hong Kong, and searching scientific applications used and trying to correlate these all existing for the future preventive measures in the suggestive mode for the society. According to a report published on the Wikipedia in the mid-March COVID-19 has had a more moderate impact in Taiwan than in many neighboring countries, with relatively few infections overall. The first case was announced on 21 January 2020, where the Taiwanese government integrated data from the national healthcare system, immigration, and customs authorities to aid in the identification and response to the virus. Government efforts were coordinated through the National Health Command Center (NHCC) of the Taiwan Centers for Disease Control, established to aid in disaster management for epidemics following the 2004 SARS outbreak. In this context, the *Journal of the American Medical Association* states that Taiwan engaged in 124 discrete action items to prevent the spread of the disease, including early screening of flights from Mainland China and the tracking of individual cases. Taiwan's handling of the outbreak has received international praise for its effectiveness in quarantining the people and by using the "electronic fence" to slow down the virus, despite being unable to gather WHO information due to being barred by China, and is seen as the model for other countries to learn from. As of March 29, 29,915 tests had been conducted in Taiwan with the vast majority not confirming a corona virus diagnosis. The above graph shows that how less has been the rate of casualty in between three months of tenure of COVID-19. Once it seems relevant to discuss that, supposed as the Epicenter of COVID-19 and on 21 January, the first case in Taiwan was confirmed in a 50-year-old woman who just returned Taoyuan from her teaching job in Wuhan. She reported on her own initiative and was hospitalized without formal domestic entry. The first domestic case was diagnosed in Taiwan on 28 January. The first death in Taiwan was confirmed on 16 February involving a man in his 60s who had Hepatitis B and diabetes. A woman in Taiwan was reported to have tested positive for novel corona virus on 19 February 2020, though she had not traveled outside of Taiwan for two years. Five new cases of corona virus were reported in Taiwan on 29 February 2020, four of which marked the first transmission of the disease in a hospital setting. Taiwan's fiftieth case of corona virus was confirmed on 13 March 2020, an American expatriate who hosted four United States citizens at his home in Taiwan. The next day, three new cases of coronavirus were confirmed to have been imported from Europe. A Taiwanese national aboard the *Diamond Princess* tested positive on 6 February. As of 19 February, five Taiwanese nationals aboard the ship tested positive. Two Taiwanese who fell ill on the *Diamond Princess* were discharged from Japanese hospitals in February 2020 and then the nineteen other Taiwanese passengers on the *Diamond Princess* were quarantined in Taiwan until 7 March 2020, almost. Here was all tested negative for coronavirus, they all, were released. The case listed above as the index case for coronavirus in Taiwan recovered from the disease and was discharged from hospital on 6 February 2020 just within a week later, a second Taiwanese national, the tenth case of coronavirus, had also justified out of 27 in March 2020, 30 people had recovered from corona virus in Taiwan. On 15 March, Taiwan announced six new cases, all imported. Health authorities are tracing contacts of these persons. Taiwan's health minister has advised people to remain in Taiwan and not to travel at all. In the meantime, On 20 March 2020, Taiwan reported 27 new cases, the highest single-day increase. The second death linked to corona virus in Taiwan was announced on 20 March, and involved a man in his 80s, who had no recent travel history, but did have hypertension, diabetes and relied on kidney dialysis and may be said as fear death.

Notwithstanding as of 28 March, there are 283 confirmed cases, including two death Among the confirmed cases was a Taiwanese man in his 50s who was fined NT\$300,000 for failure to report his symptoms and attempting to conceal his subsequent activities, leading to a potential contamination incident .

**Courtesy: Wikipedia for Data Copy paste**

Review of Literatures: Here, We shall discuss one by one as Flemin's Left hand Rule, Colouumb's Law of Electricity and Newton's Universal law of gravitation to get the understanding that why only Left hand should be used in handling of daily life domestic task and save ourselves from the infectetious effect of COVID-19 virus. In the language of Material science any living body including humane is a body that bears all the existing physical and chemical properties, body bears magnetic properties, it bears charge particles and it is under cute surveillance of force of gravitation of Newton

**Fleming's Left Hand Rule** sates that whenever a current carrying conductor is placed inside a magnetic field then a force acts on the conductor in a direction perpendicular to both the directions of the current and the magnetic field also While current flows through a conductor one magnetic field is induced around it

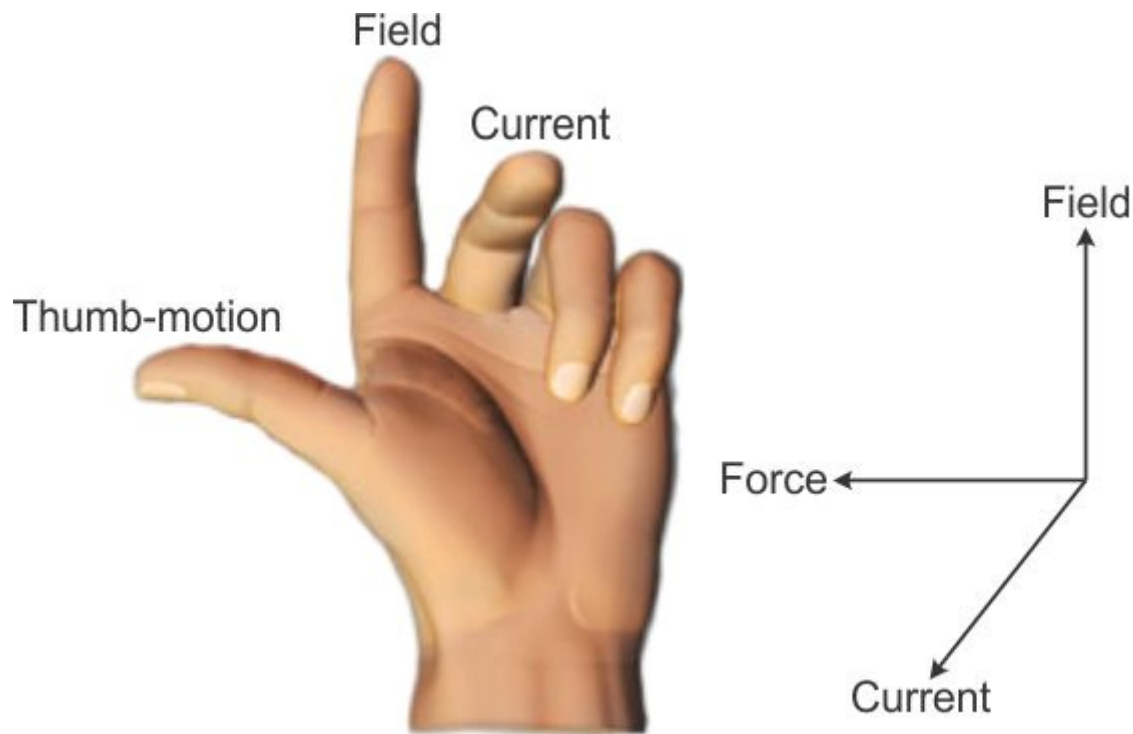


Figure 1: Fleming's Left Hand Rule

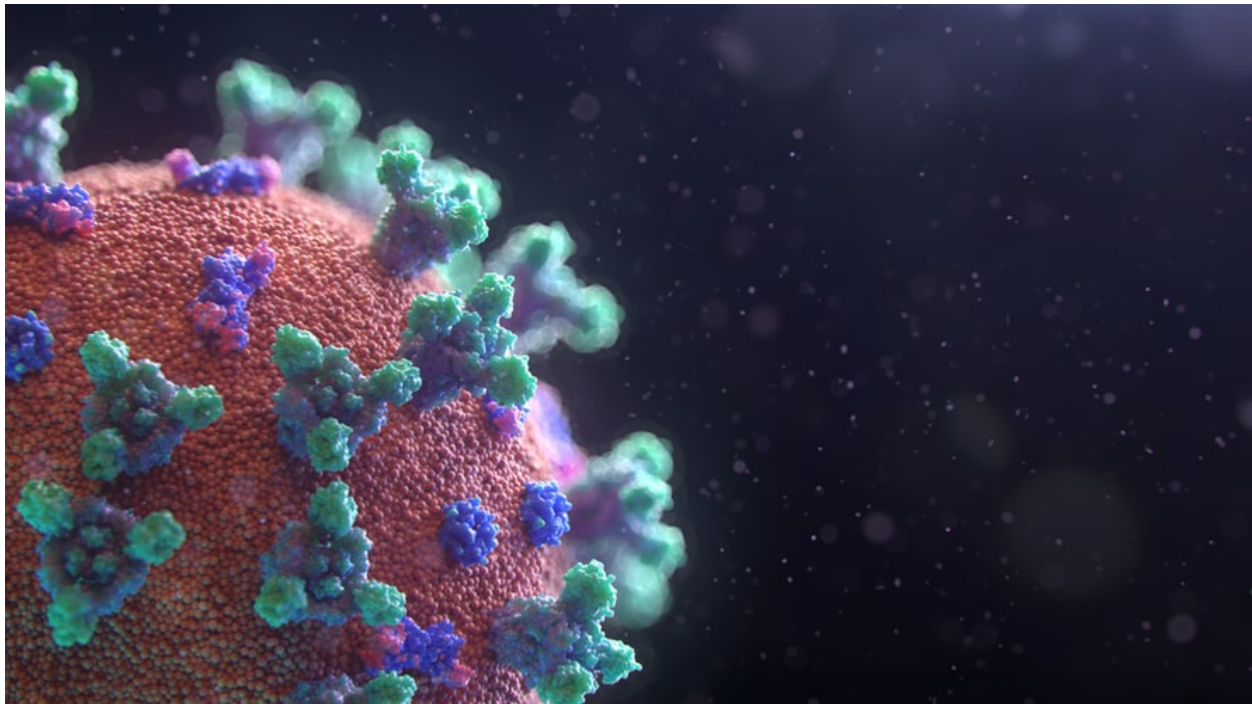


Figure 2: COVID-19 virus (Pic by website)

With the help of this Fleming's Left hand Rule, we would be able to suggest a precautionary measure Model that why one should use his or her Left hand in handling the Domestic affair and daily life task, as residents of Taiwan and Wuhan, Singapore used as out of 124 discrete preventive activity rather than quarantine and lockdown.

**Newton's law of gravitation** states that any particle of matter in the universe attracts any other particle with a force varying directly as the product of the masses of the particles and inversely as the square of the distance between these particles. Mathematically, the magnitude of the attractive force  $F$  is equal to  $G$  (the gravitational constant, a number the size of which depends on the system of units used and which is a universal constant) multiplied by the product of the masses ( $m_1$  and  $m_2$ ) and divided by the square of the distance  $R$

$$F = G.(m_1.m_2)/R$$

*Here, we would be intending to calculate amount of force of attraction between the human body and COVID-19 and the impact of that force in the expansions of the virus and its sustainability period, in the other words life period*

*Coulomb's law* states that law in the electricity, like charges repel and opposite charges attract to each other with a force proportional to the product of the charges and inversely proportional to the square of the distance between these two charges.

Let us imagine two charges  $Q_1$  and  $Q_2$  separated by a distance  $r$  and a force of  $F$  is working between them, then Mathematically

$$F=K.Q_1.Q_2/R^2$$

Where  $K$  is the proportionality constant having a fixed value.

With the help of this law we would be intended to calculate force of attraction or repulsion between charge particle of our body and charge particle in COVID-19 Virus

### **Methodology - Material and Method**

1. if COVID -19 would be anywhere then it is possible for us to know the distance between of the virus sticking place and our bodies, as we can measure the distance any substance as non fluid
- 2.If we spare always our right hand in handling daily domestic task and activities , then even by mistake our this right hand touches eyes or mouth there is lesser possibility of inhale the virous COVID-19
3. In case of two or more than two forces of different,the direction of the third and the Resultant Force may be determine with the help of Fleming's Left Hand Rule
- 4.Electric fence must be developed in a more effected area/Town/District/State
5. Santizing, Social Distancing and quarantine all these three measures are the outcomes of the above discussion and Methodology

**Result and Discussion/ Data Analysis& Conclusion:**1. Use only one left hand in handling the daily life task, this effects more magnitudes of attacking force of COVID-19 as our study suggests, keep and calculate distance for your safe staying, disseminate effect of forces working between virus, body and material in contact by breaking the chain by disturbing the line of forces through isolation of a mass or body and in today's language Quarantine.

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