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Corona virus (COVID-19) - understanding the global threat

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Abstract

Around the world Corona virus (COVID-19) has created global threat, enabling world to unite together to fight with such threat, the need of today is 'unity'. It's the time when the whole world is standing on one platform to fight against Corona virus (COVID-19). A lot of research has been going on around the world to understand the Corona virus (COVID-19), but still scientists not reached to some point, it's time for all of us to fight as fighter with Corona virus (COVID-19). The best fight against Corona virus (COVID-19) is to quarantine yourself. In this article I tried to clear the myths about Corona virus (COVID-19) and will discuss the global scenario and the best prevention technique to break the chain. Always believe that protection is better than cure.

Key words: Covid-19, SARS, MERS, Covid-19 Detection Test.

Introduction – corona virus (COVID-19)

To fight with Corona virus (COVID-19), it is important for all of us to exactly know that is Corona virus (COVID-19). Around the world there are numerous misinformation and rumours related to Corona virus (COVID-19).

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In this research article my prime aim is to clear all the myths and to present accurate information to you, and this will help you to understand the Coronavirus (COVID-19).

Coronavirus is a larger family of viruses that cause illnesses such as the common cold, severe acute respiratory syndrome (SARS), and the Middle East respiratory syndrome (MERS). A new outbreak of the coronavirus erupted in 2019 in China. Some other names attributed to the coronavirus are severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and coronavirus disease 2019 (COVID-19).

Coronavirus affects both animals and humans. There can be cases where the virus affects animals and turns into a new virus that affects humans. These are more lethal sorts of coronavirus since they will cause pneumonia, which may be life-threatening.

The three most common illnesses by the virus recorded are: SARS (severe acute respiratory syndrome) – It's a fatal respiratory illness discovered in China in 2002. There haven't been any new cases reported under this virus since 2002.

MERS (Middle East respiratory syndrome) – This severe respiratory disease was first reported in Saudi Arabia in 2012. From there, it spread to 27 countries including the USA, where two cases were reported. All cases were discovered to have their source in the Arabian Peninsula.

COVID-19 (corona virus disease 2019) – Erupting in Wuhan city in 2019, the source is travel from the Hubei Province. Since then, the disease has spread to several countries around the world, with cases reported in the USA.



Symptoms of corona virus (COVID-19),

The Corona virus (COVID-19), generally spread through coming in contact with the infected one. It cannot be spread through air or other means, till and until one cannot come in contact with the infected of the carrier, through which Corona virus (COVID-19), spreads. On the other hand the other reasons for symptoms of corona virus arise when you've travelled to the areas of the outbreak of the virus or are in touch with anyone travelling from those areas.

The symptoms of corona virus infections generally are: Fever, Cough, Shortness of breath, Sore throat, Headache. With these symptoms the specific symptoms of COVID-19 are: Fever, Cough, and Shortness of breath. The symptoms of COVID-19 are milder than those of SARS and MERS. Just in case you haven't travelled to those areas or had contact with anyone from these areas, then the symptoms may be of another virus just like the flu.

Patient screening for corona virus (COVID-19)

As it is evident the symptoms of Corona virus (COVID-19), are very generic in nature, so if one having fever, sour throat, does not means that he is infected with Corona virus (COVID-19). But patients who present with fever and respiratory symptoms with an epidemiological link to COVID-19 should carry a high index of suspicion for the disease. The epidemiological link may involve (a) visit a neighbourhood that experienced an epidemic (b) close contact with a private with a confirmed or high risk of infection, or (c) close contact with a private with respiratory symptoms who had been during a geographic location that witnessed an epidemic within a 14-day period before the onset of symptoms. Because the geographical area of involvement is expanding, clinicians got to keep themselves updated on the list of affected countries and territories. Following several generations of spread with a rustic, local transmission of disease occurs, and patients may present with no history of visit a location with a known outbreak.



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Critically ill patients may present to the emergency department from the community or by inter-hospital transfer to the medical care unit. In such instances, an in depth inquiry should be administered to make sure appropriate screening and infection control precautions should be followed.

Corona virus (COVID-19) detection test

In case you are feeling your symptoms are specific to the corona virus, your healthcare provider can get in-tuned with Corona Virus Disease Centre or the local healthcare departments for testing instructions. There are specific labs found out for conducting corona virus tests, so you'll be directed to at least one of those labs.

To understand the different types of corona virus test, which will be done in following ways as;

Swab Test – during this case, a special swab is employed to require a sample from your nose or throat.

Nasal aspirate – during this case, a saline are going to be injected into your nose and, then a sample is crazy a light-weight suction.

Tracheal aspirate – during this case, a skinny tube with a torch, also referred to as a bronchoscope, is put into your mouth to succeed in your lungs from where a sample is collected.



Sputum Test – Sputum is thick mucus that gets accumulated within the lungs and comes out with a cough. During this test, you're required to cough up sputum during a special cup or a swab is employed to require a sample from your nose.

Blood test – during this case, a blood sample is taken from a vein within the arm.

At present due to high number of Corona virus cases arising, a rapid test has also been started for the COVID-19, which involves taking samples from the nose, throat, and lungs. This ensures a speedy and accurate diagnosis and is employed altogether CDC-approved. Before the test, the concerned health professionals may request you to wear a mask during the test. Just in case there are the other steps that require to be taken, the healthcare professional can communicate that to you.

During the test, you'll feel a gagging sensation when the swab is going to be inserted in your nose and throat. The nasal aspirate may especially seem a touch uncomfortable. However, all of those effects are temporary and can get away shortly after the test. In some cases of tracheal aspirate, there could also be bleeding or infection within the case of the biopsy, no risks are observed. There could also be a small swell and pain within the area where the needle was inserted, however it goes away pretty soon.

Corona virus test – positive

In case if the corona virus test comes positive, then the individual is suffering from corona virus. At present there is no particular regime to fight against corona virus, and there are no specific treatment for the disease, however the medical professionals suggest you some steps that will not alleviate the symptoms as; Drinking tons of fluids, taking full time bed rest, taking counter medicines prescribed from doctors. In case the condition becomes worse than signs of pneumonia, will arise and this demands immediate hospitalization, as the common symptoms of pneumonia are severe cough, laboured breathing, and high fever.



An infected person can spread the virus to number of healthy individuals, so one should have a complete knowledge what to do to avoid further spread of infection as; Don't leave home unless any medical emergency, Always wear mask when you visit any public places or when you are with pupils around yourself. Don't share any personal items like drinking cups, eating plates, towels, or the other items with anybody. Always wash your hand thoroughly for around 20 seconds, just in case soap water isn't available, you'll use an alcohol-based sanitizer, which a minimum of contains 60% alcohol.

Corona virus test – negative

With proper treatment, and taking proper medication the corona virus patients will get healthy, and then again they were called for corona virus test, then if the results comes negative, then also you should take enough care to prevent oneself from further infections and will continue with any medications prescribed from health officials.

One should always that that “precaution is the best cure in corona virus” so one should follow the following steps to prevent against any corona virus infection as; Social Distancing, till and unless it is very urgent don't leave your place, this will minimize the infection changes, Wash your hands thoroughly for 20 seconds and use alcohol-based sanitizers in absence of soap-water. Avoid touching your eyes, nose, or mouth tons. If possible, avoid being on the brink of people that are sneezing or coughing. Clean the home items which are frequently handled with a disinfectant spray

Corona virus (COVID-19) in India

WHO has declared the Covid-19 as pandemic as there are more than 782,365 confirmed cases and over 37,582 deaths in 114 countries around the globe, and the numbers are continuously increasing at a drastic rate around the world. In India after a spike in Covid-19 cases India has taken one of the important decision to lockdown its all activities, to stop the un-controlled spread, this becomes a very important step, due to which Covid-19 is under control in India.



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In India the patients with positive Covid-19 test are recovering well. As it is evident from ancient times that Indian population has a very good immune system and due to this Indian population has fight against the Covid-19 very well. It is all possible due to efficiency of health professionals in India that how they attended the patients with Covid-19 infections. Due to the efficient working of Indian health officials the spread of Covid-19 is highly restricted in India and now the number of cases coming are very few as compared to cases arising all over the world. According to latest declaration from WHO they said that it is very impressing with the response of India to fight against the corona virus pandemic. It is very surprising that countries with high medical facility like United States of America, Italy, Iran, Spain France are having severe cases for Covid-19, as compared to India which is having minimum facilities to fight against Covid-19, but its due to dedication and proper planning of our administrators to put Covid-19 under control in India.

Conclusion:

As still in India Covid-19 cases are continuously coming day by day, and its duty of all individuals all citizens to contribute in non spread of Covid-19. There has been an increased consciousness in the public about social distancing and not spreading rumours. People have cancelled their travel, curtailed their social gatherings and companies encouraged employees to work from home to mitigate chances of contracting the contagion in transport. The complete lockdown announced by the government is highly timely and most desirable. It is imperative that the virus replication cycle gets disrupted as early as possible before it gains numbers that may become difficult for us to counter. To safeguard society, country and your-self stay at home and be protected.

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