

# Covid The Third Wave

Dr. Amit Sharma<sup>1</sup>, Dr. Santosh Kumar Verma<sup>2</sup>, Mrs. Neha Tyagi<sup>3</sup>, Surbhi Sharma<sup>4</sup>, Om Prakash Yadav<sup>5</sup>

<sup>1</sup>Associate Professor Faculty of Pharmaceutical Sciences, Motherhood University, Roorkee, Haridwar, India

<sup>2</sup>Principal Faculty of Pharmaceutical Sciences, Motherhood University, Roorkee, Haridwar, India

<sup>3</sup>Assitant Professor Faculty of Pharmaceutical Sciences, Motherhood University, Roorkee, Haridwar India

<sup>4</sup>Lecturer St. Xavier Convent School, Barnai Jammu (J&K) India

<sup>5</sup>Research Scholar, NKBR College of Pharmacy and Research Centre Meerut U.P, India

**Abstract - India is currently reeling under the second wave of Corona virus infection that has hit the country hard with cases and death every day. After the second wave it is predicted that India will also see the third wave. The time when it occurs, and its scale is not certain at present. We must be ready for the third wave, but we cannot predict the timing. We must prepare our self and be ready for it. On possibility and scale of a third wave in India is predicted to be very dangerous and harmful. In the given paper we will discuss about it impact and precautions.**

**Index Terms - Covid, Children, Wave, Pandemic, Virus, Third, Symptoms.**

## INTRODUCTION

UK was already in a third wave of infection and at least three quarters of cases were the new variant firstly discovered in India. The numbers of cases we observed are much higher than we know<sup>1</sup>. The infection is spreading so fastly and rapidly that everyone is coming under its influence. Scientists have warned everyone including ministers that a third wave of coronavirus may have already arises and begun in Britain, England which led to restriction and lockdown for three weeks<sup>2</sup>. However, experts have already called for preparations for the third wave of Covid-19, which they predict will hit India later this year. They have also added and warned that children would be affected more by the third wave. As India continues to suffer with the second wave of the Covid-19 infection and pandemic, there are lot of question in our minds regarding the dangerous virus. One such question is that will the third wave of Corona virus in India hit children the most? Expert also warned that children

would be affected by the third wave badly. It is estimated that the third wave will come this year or early next year. Various states have already started precautions, focusing mostly on protecting the children. If children get affected by Covid, either there will be no symptoms or there will be minimal symptoms. They do not require hospitalization generally. Talking mainly about three main points regarding Covid-19 infection among children, Children are not immune from this infection and they may infect others but kids do not generally suffer from severe infection<sup>3-6</sup>. considering the possibility of a third wave of the coronavirus, which may hit Maharashtra and other states in August-September, a special COVID-19 ward for children is being prepared in sangli district of Maharashtra, Lot of instructions and awareness programs were given to avoid these infections seriously. Reports claimed that more than 8,000 children have contracted the virus this month, after which officials are trying their best to eliminate the effect of a possible third wave of COVID-19. “8,000 kids tested positive for COVID-19 in May alone<sup>7-8</sup>. It is estimated that the third wave of Corona is more dangerous than the first 2 waves. So far, the third wave of Corona has arrived in the country. Like, Kerala, number of patients has increased in other state. Researchers have issued warnings about the third wave of the Corona. We request you not to leave the house without any urgent work, follow all the instruction carefully in order to avoid further infection. According to an estimate, the third wave of Corona is considered more dangerous that the 1st and 2nd wave so far. Nothing has been officially said about the symptoms of Coronavirus third wave. Third wave symptoms of Corona may take 2-14 days for its

infection to appear. To protect you from the third wave of Corona various guidelines are provided in the present paper.

Some guidelines are given in the given paper:

1. Wash your hands thoroughly with soap.
2. If you are going out, be sure to apply the mask and use a hand sanitizer.
3. Make a distance of at least 2 yards from the infected.
4. Do not touch your face of mask frequently.
5. When coughing covers the mouth with a handkerchief.
6. If your health is already weak then stay home.
7. Do not smoke and stay away from other lungs weakening activities.
8. Do not go out of the house without any necessary work.

The above-mentioned guidelines should be followed strictly<sup>5</sup>. The second wave of COVID-19 witnessed an increase in the number of kids infected by the virus. Kids who were until then being considered as silent carriers were equally prone to the virus this time and showed varied symptoms. Children will be infected the most during the third Covid-19 wave, but it is merely a claim without any solid piece of evidence. The Indian Academy of Pediatrics (IAP) has said that it is true that kids are highly susceptible to infection, but the third wave of COVID-19 is unlikely to predominantly affect children. Children are not immune from the infection, but the impact is minimal. The new mutant variant of the Coronavirus has a higher tendency to infect the kids as compared to the previous one. The children may possess this infection due to lower immunity and eating behavior. Just like adults, the symptoms of coronavirus in kids are not only limited to the upper respiratory tract, as it attacks mostly on respiratory system. Most of the kids are experiencing symptoms like high fever, chills, shortness of breath, cough, loss of smell, sore throat, fatigue, muscle pain, and mucocutaneous inflammatory signs. In some cases, kids do not even show any kind of signs of infection<sup>9-10</sup>. The third wave is just a few months away and children getting infected with the virus is even a challenge for their family members. If the child is malnourished or has some other disease, then he or she is likely to even have a skin disease, liver, or kidney disease, are more prone to infection. The immunity of the children is

quite strong. But with many mutant viral strains emerging, it is necessary to follow all protocols related to Covid-19 and take precautions to keep your children safe and sound. Every way possible we should protect our children from this dangerous infection<sup>11</sup>. Meanwhile, the Supreme Court has asked the government to be prepared guidelines of the third wave of the coronavirus pandemic even as experts have ruled out the fears of the third wave. I pray that wave should not come, but still less than 5% people have been vaccinated<sup>12-14</sup>. Everyone should be vaccinated, and every guideline protocol should be followed to avoid the arrival of third wave.

## CONCLUSION

If the virus continues to impact people and evolve further and develops an immune Escape mechanism, the third wave of Corona virus will come. India may possibly see another wave but since a large number of people that vaccinated and take better precaution, the wave may not be as big as the current wave of Corona virus. As the virus is spreading at a much more rapid pace the curve itself is so sharp, it is due to some degree of change in virus. It is predicted that third wave will affect children the most. So, we must take much more care regarding the health of infants.

## REFERENCE

- [1] [http://timesofindia.indiatimes.com/articleshow/83116698.cms?utm\\_source=contentofinterest&utm\\_medium=text&utm\\_campaign=cppst](http://timesofindia.indiatimes.com/articleshow/83116698.cms?utm_source=contentofinterest&utm_medium=text&utm_campaign=cppst)
- [2] <https://www.theguardian.com/world/2021/may/30/third-wave-of-covid-may-be-under-way-in-uk-scientists-say>
- [3] <https://www.livemint.com/news/india/covid-third-wave-no-indication-that-children-will-be-severely-affected-says-govt-11621854894174.html>
- [4] Mohd. Asim, Dr. Amit Sharma, Dr. Manoj Kumar Sagar, Surbhi Sharma and Dr. Sachin kumar, Is covid 19 a deadly disease? international journal of pharmacy and biological sciences.10(4):2020.
- [5] Dr. Amit Sharma, Dr. Santosh Kumar Verma, Mrs. Surbhi Sharm, Mrs. Neha Tyagi, COVID-19-OUT BREAK OF DISASTER, International journal of creative research thoughts (IJCRT), 9(5): 140-151, 2021.

- [6] Dr. Amit Sharma, Dr. Santosh Kumar Verma, Mrs. Surbhi Sharma, Om Prakash Yadav, Yellow and White Fungus (Alarming infections), AEGAEUM JOURNAL, 9(5): 389-392,2021.
- [7] <https://www.india.com/news/third-wave-of-corona-in-india-8000-children-contract-virus-in-may-in-maharashtras-ahmednagar-officials-ontoes-4703419/>
- [8] <https://www.mpnrc.org/third-wave-of-corona-in-india/>
- [9] <https://timesofindia.indiatimes.com/life-style/parenting/toddler-year-and-beyond/covid-19-will-the-third-wave-of-coronavirus-be-more-challenging-for-kids/photostory/82945629.cms>
- [10] Neha Tyagi, Santosh Kumar Verma, Ajeet, aspects of phenolic compounds in pharmacological activities of solanum family.
- [11] <https://www.indiatoday.in/coronavirus-outbreak/story/children-below-18-years-risk-covid-3rd-wave-experts-explain-1800281-2021-05-08>
- [12] Neha Tyagi, Dr. Amit Sharma, Dr. Santosh Kumar Verma, Mrs. Surbhi Sharma, CNS Acting Potential of Natural Products with Special Reference to Family Solanaceae, International Journal of All Research Education and Scientific Methods (IJARESM),9(5): 2665-2670,2021.
- [13] Dr. Amit Sharma, Dr. Santosh Kumar Verma, Mrs. Surbhi Sharma, Om Prakash Yadav, Black Fungus “Pandemic Within the Pandemic”, International Journal of All Research Education and Scientific Methods (IJARESM), 9(5),2383-2384, 2021.
- [14] Sujeet Kumar, Shubham, Amit Sharma, Neelam Painuly. nipah virus – thread to pregnancy. Asian Journal of Pharmaceutical Research and Development. 2018; 6(5): 66-70.