

Coronavirus-19 outbreak in children: Different clinical status of disease in children and the effect of isolation on education and social life, globally

Dear Editor,

COVID-19 disease, caused by Severe Acute Respiratory Syndrome Coronavirus-2 (SARS-CoV-2), first appeared in Wuhan, China, and spread throughout the world in a short period of time.¹ On 30 January 2020, WHO declared the outbreak a Public Health Emergency of International Concern (PHEIC) and then on 11 March 2020, WHO declared the Coronavirus as a pandemic. The pandemic was called COVID-19.

SARS-CoV-2 can easily pass from animal to human, human to human, and through a droplet and direct contact with asymptomatic carriers. According to the recently published analysis of data from the Chinese Wubei Mainland region and 37 countries, the disease is fatal, especially in the elderly and comorbid population. According to the data from this study, no deaths were observed in the 0-9 age range. Only 1 death was observed in 549 cases in the 9-18 age range and the death ratio was calculated as 0.00182.² The most important position of children in the COVID-19 outbreak may be that they have a carrier function because they have asymptomatic or mild disease. While governments of the countries develop strategies to deal with the outbreak, they first try to reduce the rate of transmission through the closure of schools. According to the UNESCO data, schools were closed in 158 countries and 1,213,390,181 of the enrolled students worldwide remained out of formal education. This number indicates that 69.3% of all enrolled students are affected. According to the World Bank data, it is aimed to contribute students to continue their education by distance education, online or e-learning applications in 37 countries.³ COVID-19 is more often seen in children with asymptomatic or very mild symptoms. Symptoms are still not clear in children who are diagnosed with COVID-19. The most common symptoms are cough, fever, weakness, runny nose, nausea, abdominal pain, and diarrhoea in some children. Dong et al, using data from the Chinese Centres for Disease Control and Prevention in a study, reported that more than 90% of the 2143 paediatrics diagnosed with COVID-19 are mild or moderate to severe cases and the likelihood of severe disease was calculated as 6% in children, which was 18.5% in adults.⁴

In conclusion, the COVID-19 pandemic, which affected the whole world, affected groups of all ages in various social areas. Although children survive the disease asymptotically or with mild symptoms and the paediatric mortality rate is very low, they are the group most affected by social isolation and changing educational

opportunities have affected the children's daily life schedule. Since it is not yet clear how long the outbreak will last, distance education formulas should be supported and new education tools should be encouraged. It should be considered that the long duration of the pandemic in the world and the prolonged quarantine processes in countries can affect children's social, psychological, spiritual and physical development, and that the WHO, UNESCO, the US and governments should prepare new solution policies for these potential global problems. In children, obesity, endocrinological problems, vitamin D deficiency, inactivity, screen addiction, social phobia, and anxiety disorder may be seen because of staying at home for a long time, it is necessary to take precautions for these possible situations. We believe that the COVID-19 pandemic may affect paediatric population more socially and psychologically than the disease.

1 | AUTHORSHIP CONTRIBUTIONS




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DISCLOSURES

The authors have declared no conflicts of interest for this article.

DATA AVAILABILITY STATEMENT

In this letter, we did not use data. We wrote our opinion about the effect of COVID-19 on the children. We did not statistical analysis and did not have study result. The manuscript can be processed for publication. We allow the publication of the study and the use of the data.

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