Polymorphism of tmprss2 (rs12329760) and severity of COVID-19 in the Ukrainian population: comment

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To the Editor,

We would like to share ideas on the publication "Polymorphism of tmprss2 (rs12329760) but not ace2 (rs4240157), tmprss11a (rs353163) and cd147 (rs8259) is associated with the severity of COVID-19 in the Ukrainian population" (1). In the Ukrainian population, Kaidashev et al. (1) investigate the relationships between the polymorphic variations of ace2, tmprss2, tmprss11a, and cd147 with the severity of COVID-19. The study, according to Kaidashev et al., showed a correlation between the severity of COVID-19 in the Ukrainian population and the tmprss2 rs12329760 polymorphism (1). In this study, the effect of a polymorphism is examined. The discussion of inherited factors in this article may or may not have any bearing. We both concur that the genetic element under study might be related to the anticipated outcome. However, a number of genetic variations, including as TM-PRSS2, Interleukin 1B, and HLA polymorphisms, are associated with the severity of COVID-19 (2-4). Furthermore, there is a chance that the current clinical manifestation of COVID-19 is connected to a previous asymptomatic COVID-19. Future study should concentrate on the effects of unexpected, potentially perplexing genetic mutations.

Conflicts of Interest: Each author declares that he or she has no commercial associations (e.g. consultancies, stock ownership, equity interest, patent/licensing arrangement etc.) that might pose a conflict of interest in connection with the submitted article.

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