

Clinical Trial for COVID-19 Vaccine in Specific Population, Hyper-Protectionism and Waiting for Herd Immunity

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EDITORIAL

COVID-19 is the present global problem. More than 100 million patients are recorded within few months after WHO declared for COVID-19 pandemic. The newly available COVID-19 vaccine becomes the hope for disease containment. However, it is still no clear cut for the exact clinical efficacy and usefulness of the new vaccines in prevention for COVID-19. Since the vaccines are usually registered in emergency mode, it cannot expect for the complete research data. The lack of complete large control trial study is common. Nevertheless, there is no data on the efficacy among the specific populations such as pediatric and pregnant subjects. Therefore, the new COVID-19 vaccine is not recommended for some specific populations (such as children [1] and pregnant women [2]). With the limitation, it might cause the problem in disease control.

Indeed, an interesting given reasons for no vaccination for some specific population is the mild symptom among the patients in those groups (such as pediatric population). However,

the asymptomatic infection can be spread silently and cause the difficulty in disease control [1]. We presently have a hyper-protectionism regarding COVID-19 in many ways such as school closure but we might give a reason for no vaccination for the children on the opposite basis. We have to wait for the trials or not is an interesting question. Also, we can expect herd immunity after a set of vaccination or not has to be closely monitored.

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Citation: Viroj Wiwanitkit, "Clinical Trial for COVID-19 Vaccine in Specific Population, Hyper-Protectionism and Waiting for Herd Immunity", *International Journal of Research Studies in Medical and Health Sciences.* 2021; 6(2): 14-14. DOI: <https://doi.org/10.22259/ijrsmhs.0602003>

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