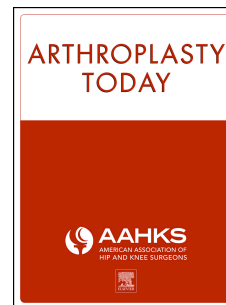


Journal Pre-proof

COVID-19 Infection Risk, Elective Arthroplasty and Surgical Complications and COVID-19 Vaccination: Correspondence

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COVID-19 Infection Risk, Elective Arthroplasty and Surgical Complications and COVID-19

Vaccination: Correspondence

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Dear Editor, we would like to discuss " COVID-19 Infection Risk Following Elective Arthroplasty and Surgical Complications in COVID-19 Vaccinated Patients: A Multicenter Comparative Cohort Study [1]." The immunization, according to Mirghaderi et al., does not guarantee that a patient would not get COVID-19 following arthroplasty surgery, especially in an area with a high risk of COVID-19. We believe that moderate COVID-19 measures may be necessary even in vaccinated patients [1].

We can all agree that providing a COVID-19 vaccine is a fantastic idea. Several factors, such as the vaccinee's past co-morbidity, the kind of COVID-19, the manner of vaccine administration, and the local epidemiology of SARS-CoV-2, are examples. In the absence of clinical signs, the prevalent occurrence of asymptomatic COVID-19 could also be a role [2]. Testing is frequently skipped to rule out a previous, asymptomatic COVID-19 infection. Only having a history of previous illnesses is insufficient. Laboratory testing must be performed as needed. To better identify the underlying immunological difficulties that a vaccine recipient is experiencing, certain laboratory testing should be used. Examining the underlying immunological abnormalities of vaccination recipients on a regular basis helps one to forecast the efficacy of the COVID-19 vaccine.

. This is an important consideration when determining the efficacy or safety of a vaccination.

Despite the fact that data on pre-vaccination health or immunological status are occasionally lacking, various clinical articles have demonstrated the efficacy, safety, or clinical significance of the COVID-19 vaccine. Furthermore, the possibility of cross-contamination with an undetected SARS-Co-V2 infection cannot be completely eliminated. Another recent study [3] discovered a relationship between inherited genetic variation and vaccine recipients' immunological reaction. If additional research is planned, the impact of the genetic polymorphism should be assessed.

Conflict of interest

none

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