Immunogenicity after two doses of inactivated virus vaccine in healthcare workers with and without previous COVID-19 infection: Prospective observational study


**Study Population**
- Previous infection + CV n=74
- CV Vaccination n=74

**Methods**
- Day 0
- Day 28
- Day 56
- Sera
- Neutralizing Antibody (PRNT50)
- Anti-SARS-CoV-2 IgG (ELISA)

**Anti-SARS-CoV-2 IgG**

**Neutralizing Antibody (Nab)**
- Positive Correlation between Anti-SARS-CoV-2 IgG and neutralizing antibody was shown.
- Highest NAB was observed in previous infection and 2 doses of CV group.

**Conclusion**
- Higher IgG levels were detected in all time points for previously infected individuals.
- Higher IgG levels were observed for the individuals infected 3-6 months before vaccination.
- Based on the severity, moderate/severe infection were resulted in higher IgG.

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