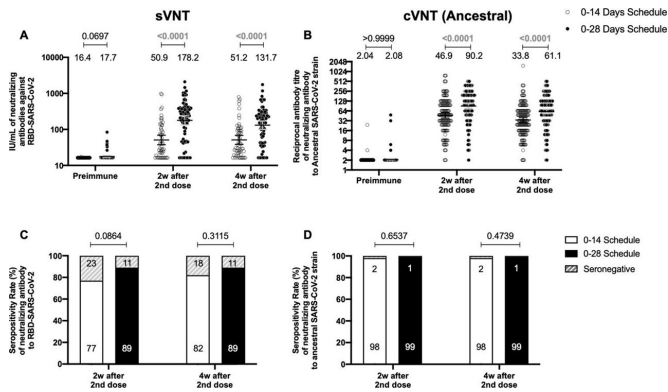


# COVID-19 vaccine given at two- or four-week interval results in similar immunity

25 October 2022



Circulating neutralizing antibodies against severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) measured by surrogate virus neutralization test (sVNT) and conventional virus neutralization test (cVNT) for the Ancestral strain in immunized volunteers. Neutralizing antibody titers were evaluated with an sVNT, which quantifies the interaction between S1-RBD and human ACE2 (hACE2) pre-coated on ELISA plates (A,C) and with a cVNT, which quantifies the cytopathic effect (CPE) induced in Vero cells as plaques formation (B, D). n=372 volunteers for cVNT (Ancestral) and n=130 volunteers for sVNT (for both schedules). Data is represented as the reciprocal antibody titer of neutralizing antibody versus the different times evaluated. Numbers above the bars show either the arbitrary international units (IU) (A) or the geometric mean titer (GMT) (B), and the error bars indicate the 95% CI. Seropositivity rates are also displayed (C, D). Data from IU and GMT values were analyzed by a two-tailed unpaired t-test of the base 2 logarithms of data to compare immunization schedules. Data from seropositivity rates were analyzed by a two-tailed Fisher's exact test. Numbers above each bracket represent calculated p values comparing both immunization schedules. Statistical significance was set at p

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