

Supplementary Online Content

Furukawa K, Tjan LH, Kurahashi Y, et al. Assessment of neutralizing antibody response against SARS-CoV-2 variants after 2 to 3 doses of the BNT162b2 mRNA COVID-19 vaccine. *JAMA Netw Open*. 2022;5(5):e2210780.

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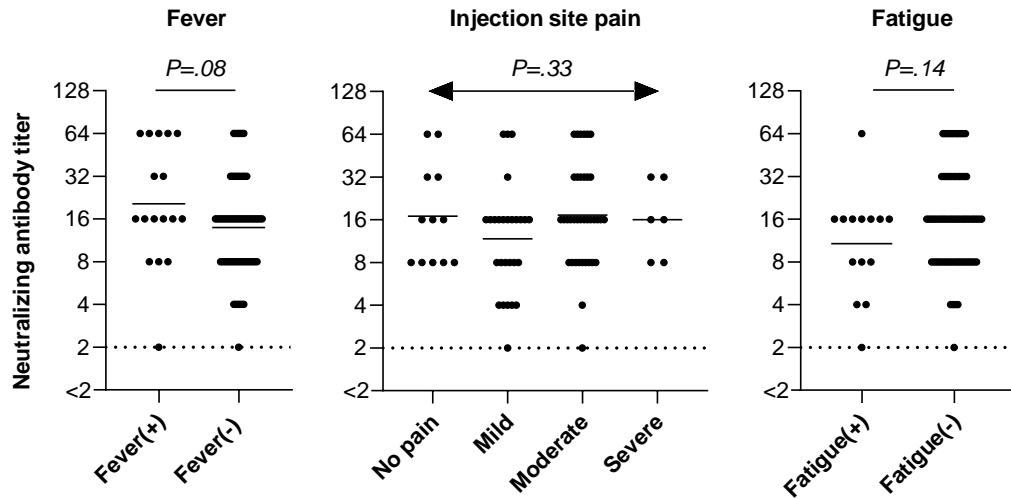
eFigure 1. Comparison of Adverse Effects and Neutralizing Antibody or the Age of Recipients After Two Doses of Vaccine

eFigure 2. Comparison of Adverse Effects and Neutralizing Antibody or the Age of Recipients After the Booster Vaccine

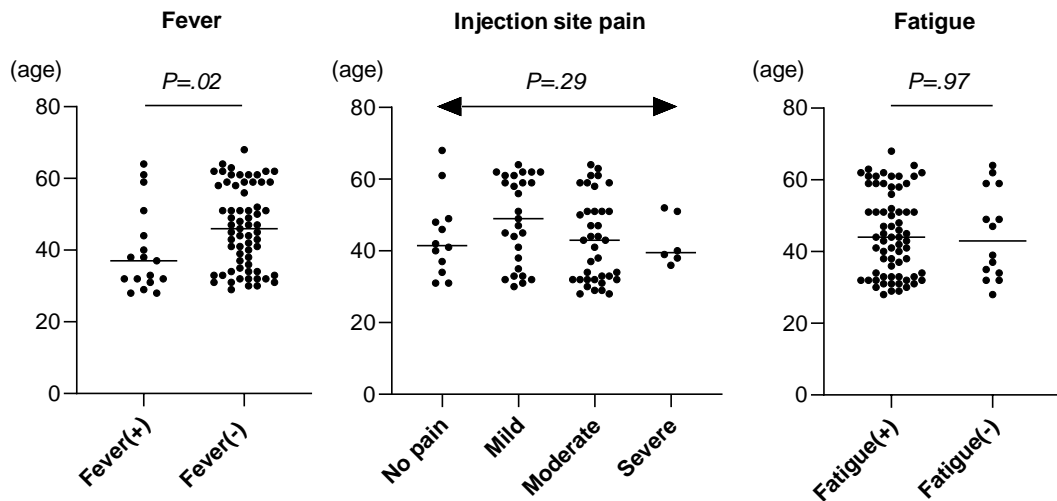
This supplementary material has been provided by the authors to give readers additional information about their work.

eFigure 1. Comparison of Adverse Effects and Neutralizing Antibody or the Age of Recipients After Two Doses of Vaccine

A Neutralizing antibody titer



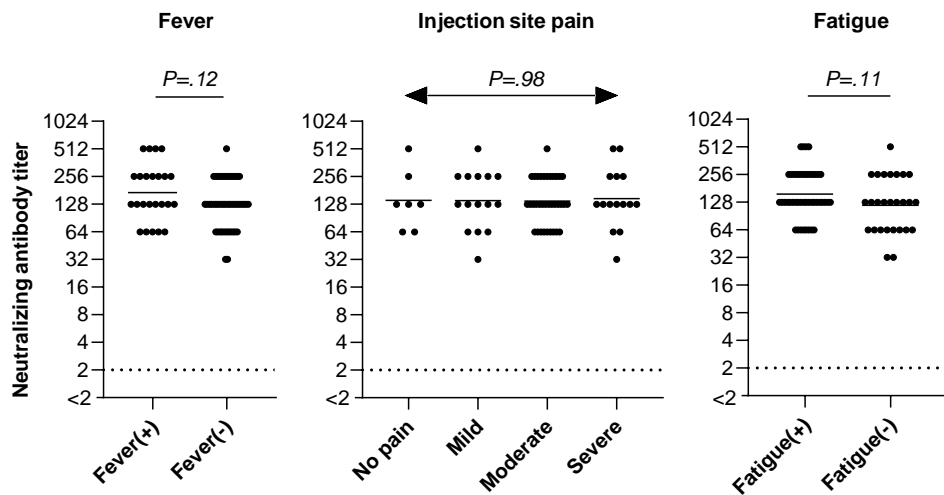
B Age of recipients



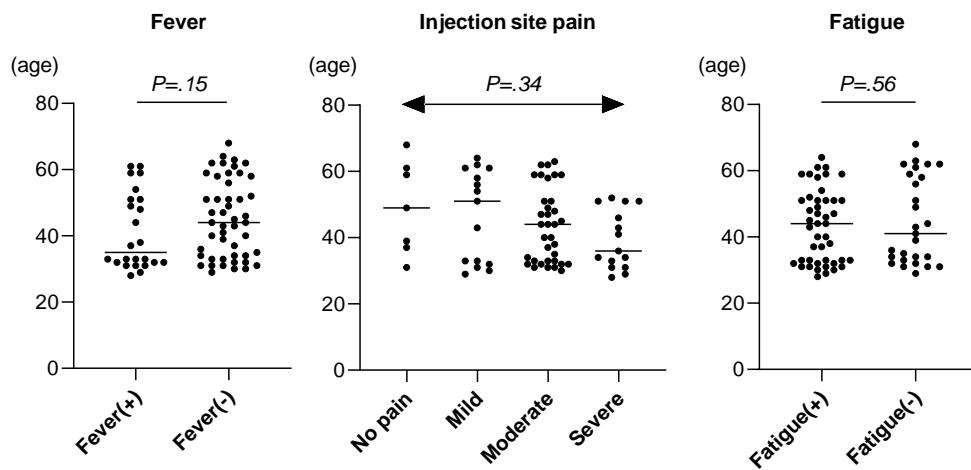
Eighty-two recipients were divided according to the appearance of fever, fatigue, and the degree of injection site pain after two doses of vaccination. **(A)** Comparison between the neutralizing antibody titers and side effects. The limit of antibody detection is displayed with a dotted horizontal line and the solid line shows the geometric mean titers. **(B)** Comparison between the age and side effects of recipients. Horizontal lines indicate the median age of recipients in each group. Mann-Whitney U test was performed for the comparison by the presence or absence of fever and fatigue, and Kruskal-Wallis test was performed for the comparison by the degree of injection site pain. Two-tailed p-values were calculated.

eFigure 2. Comparison of Adverse Effects and Neutralizing Antibody or the Age of Recipients After the Booster Vaccine

A Neutralizing antibody titer



B Age of recipients



Eighty-two recipients were divided according to the appearance of fever, fatigue, and the degree of injection site pain after the booster vaccination. **(A)** Comparison between the neutralizing antibody titers and side effects. The limit of antibody detection is displayed with a dotted horizontal line and the solid line shows the geometric mean titers. **(B)** Comparison between the age and side effects of recipients. Horizontal lines indicate the median age of recipients in each group. Mann-Whitney U test was performed for the comparison by the presence or absence of fever and fatigue, and Kruskal-Wallis test was performed for the comparison by the degree of injection site pain. Two-tailed p-values were calculated.