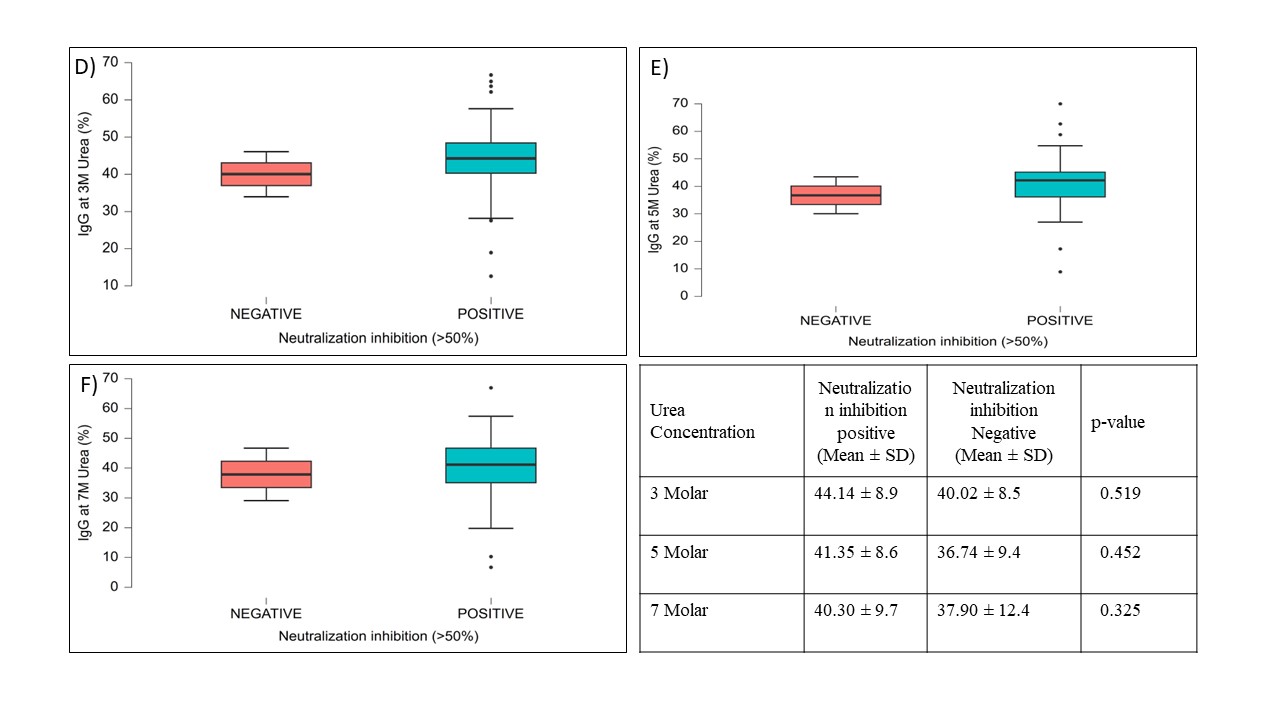
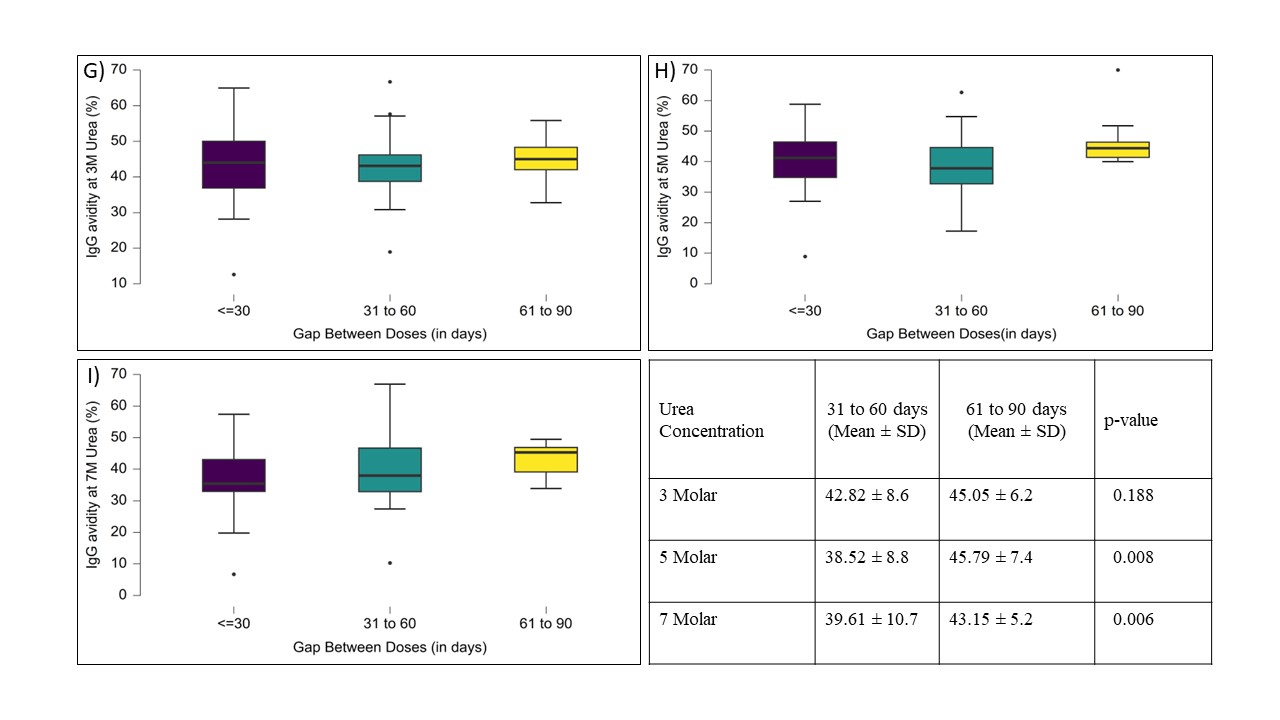


**Figure S7:** Boxplot representing SARS-CoV-2 IgG antibody avidity percentage compared with History of COVID-19 positivity by graded Urea concentrations A) 3molar urea B) 5molar urea and C) 7 molar urea concentration, p-value calculated by using student t-test.

 **Figure S8:** Boxplot representing SARS-CoV-2 IgG antibody avidity percentage compared with Neutralization inhibition percentage (>50%) by graded Urea concentrations D) 3molar urea E) 5molar urea and F) 7 molar urea concentration, p-value calculated by using student t-test.



**Figure S9**: Boxplot representing SARS-CoV-2 IgG antibody avidity percentage compared with gap between the first and second dose of vaccination by graded Uera concentrations G) 3molar urea H) 5molar urea and I) 7 molar urea concentration, p-value calculated by using student t-test.