



**Figure 2. RBD-binding IgG antibody avidity and neutralizing antibody titres to SARS-CoV-2 in COVID-19 patients and vaccinated cohorts.** Panel a: RBD-binding IgG antibody avidity against wt virus; Panel b: neutralizing antibody titres against wt virus; Panel c: anti-RBD IgG antibody avidity against Omicron variant; Panel d: neutralizing antibody titres against Omicron variant. Antibody avidity was expressed as Avidity Index (AI). Tukey boxplots show outlier values (dots), medians (middle line), and third and first quartiles (boxes), while the whiskers indicate the minimum and maximum values. The horizontal dashed line represents the Lower Limit of Quantification (LLOQ) of the microneutralization (MN) assay and AI range (low, intermediate and high). Statistically significant differences were analysed by Kruskal-Wallis and Dunn's multiple comparisons test ( $p < 0.05$ ).