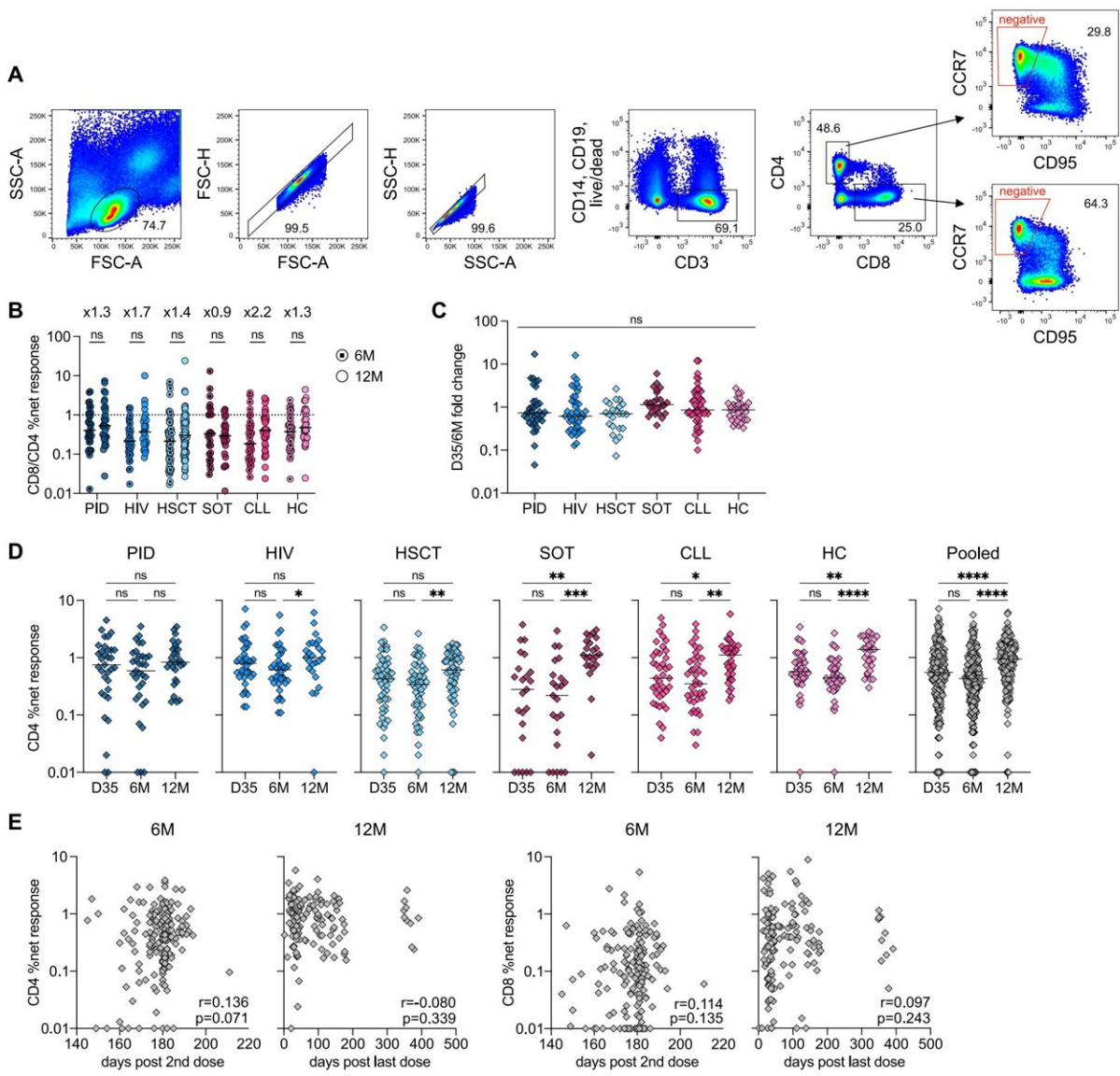


Study: Booster dose of mRNA COVID vaccine prompts strong T cell response in immunocompromised patients

July 31 2023, by Delthia Ricks



T cell responses to ancestral mRNA vaccine doses over time. (A) Gating on non-naïve/memory CD4+ and CD8+ T cells. Numbers indicate the percentage of the previous gate. (B) Comparison of pre- and postbooster CD8+ to CD4+ net-frequency ratio in response to Omicron full spike with indicated fold changes. (C) D35/6M fold change of CD4+ %net responses to Wu-Hu.1 full spike calculated with data from (18). (D) D35/6M decay rate was used to extrapolate D35 CD4+ %net responses to Wu-Hu.1 full spike based on the here reported data. (E) Correlation of elapsed time between second or last vaccine dose with T cell %net responses to WT full spike at 6M and 12M with indicated Spearman correlation and p-values. Individuals who experienced an additional infection were excluded from this analysis. (B to E) Each dot represents one donor and lines depict the median. (B) Mann-Whitney test with Holm-Šidák posttest. (C, D) Kruskal Wallis test with Dunn's posttest. ****p

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