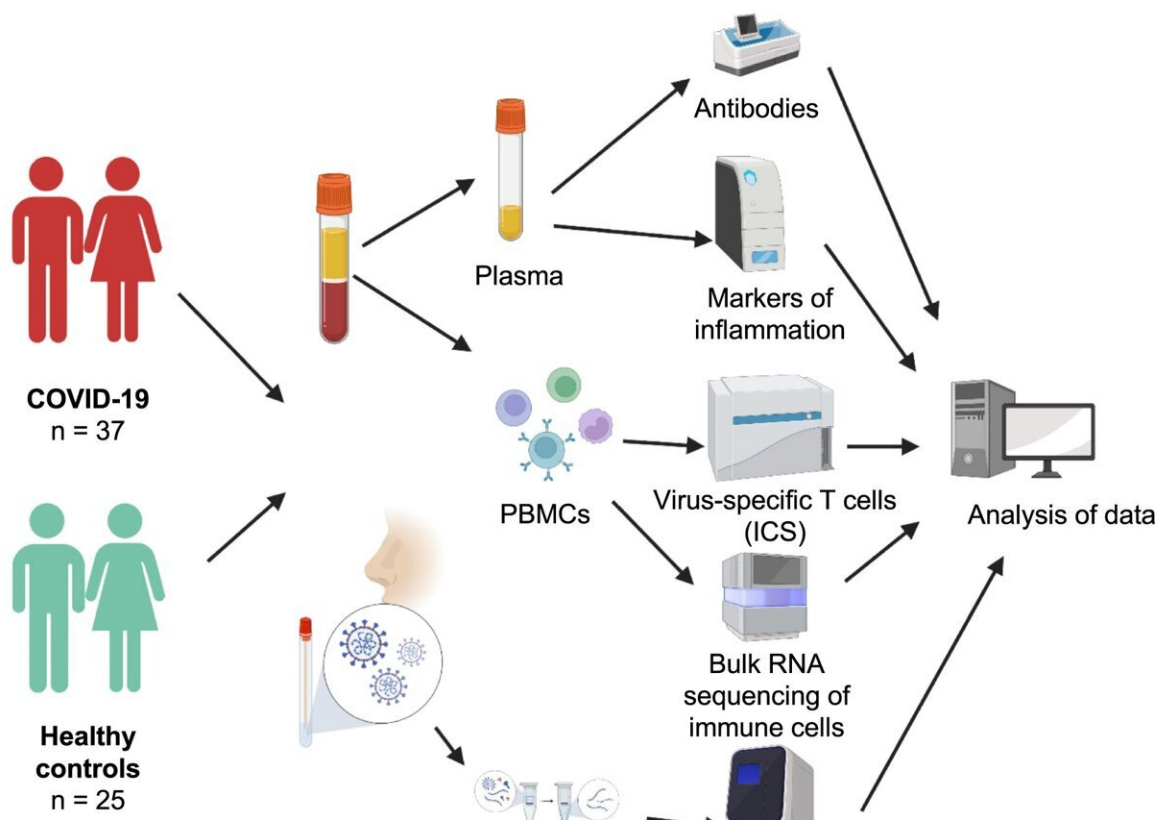


Immune cells targeting core protein of virus are important for early immune defense against COVID-19

May 24 2023

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Study overview, upper airways viral loads, and antibody-mediated neutralization of SARS-CoV-2. **a** Schematic representation of the study design. Donors were sampled weekly for 1 month and then periodically until 6 months after initial presentation. **b** Longitudinal quantification of upper airways viral loads (UAVLs) in patients with mild COVID-19 ($n = 25$) recruited during the first week after symptom onset. Each line represents one donor. The green scale stratifies

patients according to days since symptom onset at presentation. **c** Pseudovirus neutralization titers (ID_{50}) plotted versus days since symptom onset (DSO). Each dot represents one donor at one time point as follows: 0–7 DSO, $n = 25$; 8–14 DSO, $n = 30$; 15–21 DSO, $n = 28$; 22–28 DSO, $n = 20$; 29–35 DSO, $n = 18$; 36–52 DSO, $n = 8$; 53–95 DSO, $n = 34$; 144–219 DSO, $n = 29$. The cutoff is indicated by the dotted red line. Serum samples that did not achieve 50% neutralization (ID_{50}

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