Supplemental Figure 1

Flow chart showing study design

Patients recruited n=49

Initial long-COVID symptom score, Blood tests n=49

Offered HRA n=43

Accepted n=26

Declined n=17

HRA Treated n=26

HRA + Supportive care

Untreated n=23

Supportive care only

Presented before HRA entered our practice n=6

4-16 weeks

Follow up long-COVID symptom score

Supplemental Figure 1

Supplemental Figure 2

Supplemental Figure 2
Gating strategy used to identify T cell compartments
Supplemental Figure 3

Scatter plots showing CD28 and PD1 antigen density in CD4+ (left) and CD8+ EM cells following mild COVID-19. Symptomatic (Long-COVID) and asymptomatic recovered group as indicated. ULN, upper limit of normal. LLN, lower limit of normal.
**Supplemental Figure 4**

Principal component analysis (PCA) of CD4+EM, CD8+EM, and CD4+CM and CD8+CM antigen densities of PD1 and CD28 in in long-COVID patients who did (brown circles) and did not respond to HRA (green).