

Supplemental Table S1. Additional cytokine/chemokine concentrations in COVID-19, influenza (CS), burn and control patients.

Cytokine	Influenza (CS)	Burn	No-DEX	DEX	Control
IL-1 α	43 (13, 143)	18 (12, 26)	12 (7, 22)	8 ^a (5, 12)	11 (8, 16)
IL-1 β	33 (11, 99)	19 (12, 30)	7 ^a (4, 14)	5 ^a (3, 8)	8 (6, 10)
IFN- γ	82 (46, 148)	33 (12, 88)	17 ^{a, c} (8, 38)	9 ^{a, c} (6, 14)	3 (2, 3)
IL-10	290 (149, 566)	402 (275, 588)	43 ^{a, b, c} (19, 97)	67 ^c (43, 106)	9 (5, 15)
G-CSF	900 (284, 2846)	3859 (1935, 7698)	124 ^{a, b, c} (68, 226)	156 ^{a, b, c} (91, 268)	10 (6, 19)
M-CSF	1519 (1269, 1818)	267 (139, 514)	352 (168, 741)	305 (196, 476)	108 (61, 192)
IL-18	479 (232, 988)	345 (257, 463)	49 ^{a, b} (26, 93)	92 ^{a, c} (68, 123)	21 (13, 35)
MIP-1 α	194 (110, 344)	155 (141, 171)	31 ^a (14, 71)	26 ^{a, b} (14, 51)	14 (11, 17)
MIG	44507 (32K, 62K)	52693 (42K, 66K)	5120 ^{a, b, c} (3427, 7650)	7942 ^{a, b, c} (6055, 10K)	2042 (1438, 2900)
MCP-3	562 (350, 902)	124 (97, 158)	34 ^a (22, 52)	39 ^a (26, 57)	26 (16, 43)

Geometric means of concentrations are shown in pg/ml with lower and upper 95% confidence limits in parenthesis. None of the cytokine concentrations were statistically different between DEX and No-DEX groups ($P > 0.01$). N values are 17, 19, 9, 6 and 26 for No-DEX, DEX, influenza (CS), burn and control groups respectively. K represents X1000.

a $P < 0.01$ compared to influenza (CS) group

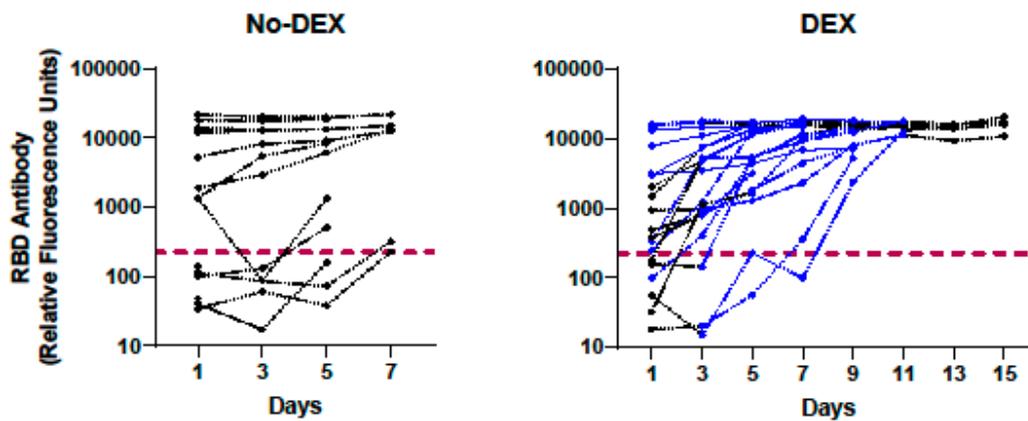
b $P < 0.01$ compared to burn group

c $P < 0.01$ compared to control group

Supplemental Figure S1

RBD antibody development in COVID-19 patients during hospitalization.

Relative RBD IgG concentrations in No-DEX and DEX groups are shown across different days of hospitalization. In DEX group data points in blue represent days of dexamethasone use. Dashed line represents the upper 95% CI limits of antibody concentration in non-COVID-19 samples (223 RFU). Manufacturer suggested threshold value for a positive identification is 700 RFU. N = 17 for No-DEX and 19 for DEX groups on day 1.



Supplemental Figure S2

Time-course of cytokine response in early and late stage COVID-19 infections.

Cytokine values are shown as geometric mean with 95% CI. N = 20 for early and 16 for late groups on day 1.

