

Supplementary Table S1. Corneal confocal microscopic parameters in patients with and without long-COVID at 12 weeks and healthy control subjects.

	CNFD (no./mm ²)	CNBD (no./mm ²)	CNFL (mm/mm ²)	Total DC density (no./mm ²)	Mature DC density (no./mm ²)	Immature DC density (no./mm ²)
Healthy control subjects (n=30)	33.5 ± 6.9	50.7 ± 19.5	19.2 ± 3.7	12.7 (0 – 30.4)	0 (0 – 4.2)	12.7 (0 – 24.7)
With long-COVID symptoms (n=18)	28.5 ± 6.4	35.8 ± 17.4	15.7 ± 4.2	39.7 (12.1 – 96.2)	6.2 (1.5 – 17.2)	32.4 (9.4 – 73.3)
Without long-COVID symptoms (n=11)	34.8 ± 7.7	49.8 ± 19.6	20.2 ± 4.6	32.0 (15.0 – 96.0)	6.2 (0 – 14.6)	19.5 (8.8 – 83.1)
<i>P</i> values						
With long-COVID symptoms vs. Control	0.043^a	0.028^a	0.012^a	0.029^b	0.002^b	0.055 ^b
Without long-COVID symptoms vs. Control	0.851 ^a	0.990 ^a	0.774 ^a	0.097 ^b	0.103 ^b	0.179 ^b
With vs. Without long-COVID symptoms	0.048^a	0.136 ^a	0.013^a	>0.999 ^b	>0.999 ^b	>0.999 ^b

Abbreviations: CNFD, corneal nerve fiber density; CNBD, corneal nerve branch density; CNFL, corneal nerve fiber length; DC, dendritic cells.

^a One-Way ANOVA test followed by Tukey test. ^b Kruskal-Wallis test followed by Dunn's test with adjusted *P* values using Benjamini-Hochberg procedure.

Data are expressed as mean ± SD for CNFD, CNBD and CNFL, and median (interquartile range) for DC density. The bold *P* values represent statistically significant differences.

Supplementary Table S2. Corneal confocal microscopic parameters in COVID-19 patients with and without clinical signs of pneumonia and healthy control subjects.

	CNFD (no./mm ²)	CNBD (no./mm ²)	CNFL (mm/mm ²)	Total DC density (no./mm ²)	Mature DC density (no./mm ²)	Immature DC density (no./mm ²)
Healthy control subjects (n=30)	33.5 ± 6.9	50.7 ± 19.5	19.2 ± 3.7	12.7 (0 – 30.4)	0 (0 – 4.2)	12.7 (0 – 24.7)
With clinical signs of pneumonia (n=18)	28.0 ± 5.8	33.0 ± 14.2	15.4 ± 4.1	32.0 (9.0 – 69.9)	6.2 (1.5 – 11.5)	25.8 (4.4 – 60.0)
Without clinical signs of pneumonia (n=22)	33.5 ± 7.0	44.9 ± 20.3	19.1 ± 4.4	56.6 (16.8 – 98.3)	12.5 (0 – 18.7)	33.5 (9.0 – 84.4)
<i>P</i> values						
With clinical signs of pneumonia vs. Control	0.019^a	0.006^a	0.006^a	0.075 ^b	0.017^b	0.119 ^b
Without clinical signs of pneumonia vs. Control	0.999 ^a	0.508 ^a	0.989 ^a	0.003^b	0.001^b	0.009^b
With vs. Without clinical signs of pneumonia	0.030^a	0.115 ^a	0.015^a	>0.999 ^b	>0.999 ^b	>0.999 ^b

Abbreviations: CNFD, corneal nerve fiber density; CNBD, corneal nerve branch density; CNFL, corneal nerve fiber length; DC, dendritic cells.

^a One-Way ANOVA test followed by Tukey test. ^b Kruskal-Wallis test followed by Dunn's test with adjusted *P* values using Benjamini-Hochberg procedure.

Data are expressed as mean ± SD for CNFD, CNBD and CNFL, and median (interquartile range) for DC density. The bold *P* values represent statistically significant differences.