

**Supplementary Table 3.** Multiple linear regression analysis of pulmonary function and ventilator application periods

Variable	FVC (%)			DL <sub>CO</sub> (%)		
	B	95% CI	P-value	B	95% CI	P-value
Age	0.293	-0.145 to 0.730	0.186	0.242	-0.315 to 0.799	0.387
Male	-11.152	-21.565 to -0.739	0.036	11.526	-2.178 to 25.231	0.098
Ever smoking	11.280	-3.254 to 25.813	0.126	4.821	-12.990 to 22.632	0.590
BMI	0.263	-0.836 to 1.362	0.634	-0.678	-2.031 to 0.676	0.320
Remdesivir	-6.404	-19.586 to 6.777	0.335	-12.227	-27.963 to 3.509	0.125
SOFA score	-0.967	-2.845 to 0.912	0.308	-2.244	-4.569 to 0.081	0.058
Delta variant	0.834	-11.734 to 13.402	0.895	5.191	-10.097 to 20.480	0.499
Vaccination	-0.192	-14.741 to 14.358	0.979	-3.698	-21.109 to 13.713	0.672
The ventilator application period (day)	-0.314	-0.558 to -0.070	0.013	-0.416	-0.708 to -0.124	0.006

FVC: forced vital capacity; B: unstandardized B coefficient; CI: confidence interval; DL<sub>CO</sub>: diffusion capacity of the lung for carbon monoxide; BMI: body mass index; SOFA: Sequential Organ Failure Assessment.