

Table 4

Comparison of pulmonary function test between athletes after COVID-19 and controls. DLCO=diffusion capacity for carbon monoxide; FVC=forced vital capacity; FEV1=forced expiratory volume at 1s; VA=alveolar volume; TLC=total lung volume, pred=predicted value; ^a=Chi²-test; ^b=t-test; ^c=Mann-Whitney-U-Test.

	ATHLETES WITHOUT COVID-19 (N=32)		ATHLETES AFTER COVID-19 (N=72)		P
	N (%)	M (SD)	N (%)	M (SD)	
DLCO (% of predicted)		0.90 (0.15)		0.86 (0.15)	0.19 ^a
VA (% of predicted)		0.98 (0.14)		0.94 (0.11)	0.11 ^a
DLCO/VA		4.82 (0.79)		4.69 (0.77)	0.42 ^a
FVC (% of predicted)		1.07 (0.14)		0.98 (0.12)	<0.01 ^c
FEV1 (% of predicted)		1.04 (0.16)		0.95 (0.14)	<0.01 ^a
TLC (% of predicted)		0.98 (0.14)		0.94 (0.11)	0.11 ^a
FEV1/FVC		0.82 (0.08)		0.80 (0.07)	0.33 ^a
DLCO < 80% of pred	9 (28%)		22 (31%)		0.80 ^b
VA < 80% of pred	4 (13%)		8 (11%)		0.70 ^b
DLCO/VA < 80% of pred	8 (25%)		18 (25%)		1.00 ^b
FVC < 80% of pred	1 (3%)		6 (8%)		0.33 ^a
FEV1 < 80% of pred	3 (9%)		14 (19%)		0.20 ^b

Table 5

Comparison of pulmonary function test between athletes after COVID-19 and controls. DLCO=diffusion capacity for carbon monoxide; FVC=forced vital capacity; FEV1=forced expiratory volume at 1s; VA=alveolar volume; TLC=total lung volume, pred=predicted value; ^b=t-test.

	ATHLETES WITHOUT COVID-19 (N= 32)		ATHLETES AFTER COVID-19 (N= 72)		P
	N (%)	N (%)	N (%)	N (%)	
DLCO < 5 th percentile	9 (28%)		23 (32%)		0.7 ^a
VA < 5 th percentile	6 (19%)		12 (17%)		0.8 ^a
DLCO/VA < 5 th percentile	7 (22%)		16 (22%)		0.97 ^b
FVC < 5 th percentile	1 (3%)		6 (8%)		0.33 ^b
FEV1 < 5 th percentile	3 (9%)		14 (19%)		0.2 ^a

Table 6

Comparison of pulmonary function test between athletes after COVID-19 with dyspnea and athletes without dyspnea. DLCO=diffusion capacity for carbon monoxide; FVC=forced vital capacity; FEV1=forced expiratory volume at 1s; VA=alveolar volume; TLC=total lung volume, pred=predicted value; ^a=Chi²-test.

	DURING INFECTION			DURING EXAMINATION		
	ATHLETES AFTER COVID-19 WITH DYSPNEA (N=21)	ATHLETES AFTER COVID-19 WITHOUT DYSPNEA (N=20)	P	ATHLETES AFTER COVID-19 WITH DYSPNEA (N=11)	ATHLETES AFTER COVID-19 WITHOUT DYSPNEA (N=30)	P
	N (%)	N (%)		N (%)	N (%)	
DLCO < 5 th percentile	10 (48%)	4 (20%)	0.06 ^a	6 (55%)	8 (27%)	0.10 ^a
VA < 5 th percentile	3 (14%)	2 (10%)	0.68 ^a	1 (9%)	4 (13%)	0.71 ^a
DLCO/VA < 5 th percentile	6 (29%)	3 (15%)	0.29 ^a	2 (18%)	7 (23%)	0.72 ^a
FVC < 5 th percentile	1 (5%)	0 (0%)	0.32 ^a	0 (0%)	1 (3%)	0.54 ^a
FEV1 < 5 th percentile	4 (19%)	4 (20%)	0.94 ^a	2 (18%)	6 (20%)	0.90 ^a