

**Supplementary Tables.****Supplementary Table 1.** Characteristics of study participants comparing healthy controls and patients with a lower respiratory tract infection (COVID<sup>pos</sup> and COVID<sup>neg</sup>).

	<b>All (n=178)</b>	<b>LRTI patients</b>	<b>Control patients</b>	
Female sex	112 (63)	84 (63)	28 (64)	0.910
Age, years; Median (IQR)	34 [28, 45]	35 [29, 46]	31 [25, 42]	0.007
Pulmonary disease <sup>a</sup>	3 (1.7)	3 (2.2)	0 (0)	0.317
Current cigarettes smoker	51 (29)	39 (29)	12 (27)	0.816

Data are presented as n (%) unless otherwise indicated.

Missing values: 0

Abbreviations: IQR, interquartile range; LRTI, Lower respiratory tract infection

<sup>a</sup> COPD, fibrosis.

**Supplementary Table 2.** Lung ultrasound characteristics of study participants comparing healthy controls and patients with a lower respiratory tract infection (COVID<sup>pos</sup> and COVID<sup>neg</sup>).

	<b>All (n=178)</b>	<b>LRTI patients (n=134)</b>	<b>Control patients (n=44)</b>	
Abnormal lung ultrasound	45 (25)	41 (31)	4 (9.1)	0.004
Abnormal lung ultrasound apart from focal B lines	31 (17)	30 (22)	1 (2.2)	0.002
Multifocal	16 (9.0)	16 (12)	0 (0)	0.016
Bilateral	8 (4.5)	8 (6.0)	0 (0)	0.097
Number of pathologic zones; Median (IQR)	0 [0, 0.7]	0 [0, 1]	0 [0, 0]	0.003
Pathologic B lines ( $\geq 3$ )	23 (13)	20 (15)	3 (6.8)	0.164
Confluent B lines (White lung)	12 (6.7)	11 (8.2)	1 (2.3)	0.173
Thickening of the pleura with pleural line irregularities	18 (10)	18 (13)	0 (0)	0.010
Consolidations ( $>1$ cm)	1 (0.6)	1 (0.8)	0 (0)	0.566
Pleural effusion	0 (0)	0 (0)	0 (0)	
LUS score; Median (IQR)	0 [0, 0.75]	0 [0, 1]	0 [0, 0]	0.003

Data are presented as n (%) unless otherwise indicated.

Abbreviations: IQR, interquartile range.

**Supplementary Table 3.** Lung ultrasound characteristics of study participants comparing healthy controls and COVID-19 patients

	<b>All (n=75)</b>	<b>COVID-19 patients (n = 31)</b>	<b>Control patients (n = 44)</b>	
Abnormal lung ultrasound	18 (24.0)	14 (45)	4 (9.1)	0.001
Abnormal lung ultrasound apart from focal B lines	10 (13)	9 (29)	1 (2.2)	0.003
Multifocal	6 (8)	6 (19)	0 (0)	0.009
Bilateral	3 (4)	3 (9.7)	0 (0)	0.132
Number of pathologic zones; Median (IQR)	0 [0, 0]	0 [0, 1]	0 [0, 0]	< 0.001
Pathologic B lines ( $\geq 3$ )	9 (12)	6 (19)	3 (6.8)	0.199
Confluent B lines (White lung)	5 (6.7)	4 (13)	1 (2.3)	0.178
Thickening of the pleura with pleural line irregularities	6 (8)	6 (19)	0 (0.0)	0.009
Consolidations (>1cm)	0 (0)	0 (0)	0 (0)	
Pleural effusion	0 (0)	0 (0)	0 (0)	
LUS score; Median (IQR)	0 [0, 0]	0 [0, 2.5]	0 [0, 0]	<0.001

Data are presented as n (%) unless otherwise indicated.  
Abbreviations: IQR, interquartile range.