

Table 1. Parameters of lung ultrasound scores

Score	Ultrasonic presentations
score 0 – normal aeration	A-lines presence– max 2 B-lines
score 1 – moderate loss of aeration	≥ 3 well-spaced B-lines; artefacts occupying $\leq 50\%$ of the pleura
score 2 – severe loss of aeration	Confluent B-lines; artefacts occupying $> 50\%$ of the pleura
score 3 – complete loss of aeration	tissue-like pattern

Table 2. Demographic characteristics and clinical features

Abbreviation Wt: weight; Ht: height; HR: heart rate; R: frequency of respiratory; T: temperature; RBC: red blood cell count; WBC: white blood cell count; LYM: lymphocyte count; NEU: neutrophil count; hsCPR: hypersensitive C-reactive protein.

¹beats per minute; ²breaths per minute.

Note: Variables are expressed as means \pm SD.

**P*-value<0.05 is statistically significant.

Variables	COVID-19 group (n=11)	Control group (n=11)	<i>P</i>
Males (%)	3 (27.3%)	3 (36.4%)	0.647
Age (days)	3.8 \pm 5.2	3.5 \pm 4.7	0.848
Wt (g)	3050 \pm 609	3240 \pm 477	0.761
Ht (cm)	50.0 \pm 2.0	49.1 \pm 2.3	0.979
HR (bpm ¹)	136.4 \pm 8.0	136.7 \pm 11.0	0.356
R (bpm ²)	41.2 \pm 7.4	40.3 \pm 4.0	0.133
T (°C)	36.5 \pm 0.4	36.5 \pm 0.5	0.687
RBC (10 ⁹ /L)	3.8 \pm 0.6	4.7 \pm 1.0*	0.008
WBC (10 ¹² /L)	9.6 \pm 3.7	10.2 \pm 2.6	0.177
LYM (10 ⁹ /L)	3.3 \pm 1.6	4.5 \pm 1.4	0.632
NEU (10 ⁹ /L)	3.6 \pm 0.6	5.5 \pm 2.5	0.849
hsCPR (mg/l)	1.1 \pm 1.0	1.5 \pm 0.8	0.605

Table 3. Comparison of LUSS in different lung regions between COVID-19 group and control group

Lung region	COVID-19 group (n=11)	Control group (n=11)	<i>P</i>
L1	0.18±0.40	0.09±0.30	0.557
L2	0.45±0.50	0.18±0.41	0.187
L3	0.09±0.30	0	0.341
L4	1.00±0	0.18±0.41*	0.000053
L5	1.18±0.41	0.27±0.47*	0.000091
L6	1.0±0.63	0.36±0.51*	0.017
R1	0.09±0.30	0	0.340893
R2	0.36±0.51	0.18±0.41	0.362197
R3	0.64±0.51	0.09±0.30*	0.007070
R4	0.91±0.30	0.09±0.30*	0.000003
R5	1.18±0.60	0.27±0.47*	0.000866
R6	1.27±0.47	0.55±0.52*	0.002575
All regions	8.40±1.70	2.30±1.40*	1.9×10 ⁻⁸

Note: Variables are expressed as means ± SD.

**P*-value<0.05 is statistically significant.

Table 4. Intra- and inter-observer reproducibility for LUSS

	Intra-observer			Inter-observer		
	CV (%)	R(Pearson's)	ICC (95% CI)	CV (%)	R(Pearson's)	ICC (95% CI)
LUSS	8.5%	0.931*	0.930 (0.765-0.981)	13.0%	0.844*	0.854 (0.543-0.959)

**P*-value<0.05 is statistically significant.