

Supplementary Table I. Other clinical parameters of COVID-19 individuals based on the severity and mortality groups.

Parameters	All patients (n=55)	Severe (n=35) (Severe: n=17; Critical: n=18)	Non-severe (n=20) (Mild: n=2; Moderate: n=18)	p-value	Non-survivor (n=22) (Non-severe: n=3; Severe: n=19)	Survivor (n=33) (Non-severe: n=17; Severe: n=16)	p-value
Length of stay (days)	12.3±7.32 11.0 (8.0, 17.0)	12.8±8.3 11.0 (8.0, 17.0)	11.5±5.3 11.0 (8.3, 12.8)	0.667 ^a	10.3±7.5 8.5 (5.3, 16.3)	13.7±7.0 11.0 (10.0, 17.0)	0.037 ^a
Respiratory rate (breaths/min)	28.2±5.5 28.0 (24.0, 31.0)	30.5±5.1 30.0 (28.0, 33.0)	24.2±3.5 24.0 (22.0, 24.0)	<0.001 ^a	30.7±5.7 30.0 (28.0, 34.0)	26.6±4.8 24.0 (24.0, 30.0)	0.005 ^a
Comorbidities, n(%)							
Diabetes mellitus	10 (18.2)	8 (22.9)	2 (10.0)	0.297 ^b	7 (31.8)	3 (9.1)	0.070 ^b
Hypertension	10 (18.2)	8 (22.9)	2 (10.0)	0.297 ^b	5 (22.7)	5 (15.2)	0.498 ^b
Chronic kidney disease	3 (5.5)	2 (5.7)	1 (5.0)	1.000 ^b	2 (9.1)	1 (3.0)	0.557 ^b
Cerebrovascular accident	1 (1.8)	0 (0.00)	1 (5.0)	1.000 ^b	1 (4.6)	0 (0.0)	0.400 ^b
CCI, n(%)							
Score 0–1	35 (63.6)	22 (62.9)	13 (65.0)	0.983 ^a	12 (54.55)	23 (69.70)	0.218 ^a
Score 2–3	19 (34.6)	13 (37.1)	6 (30.0)		9 (40.91)	10 (30.30)	
Score ≥4	1 (1.8)	0 (0.0)	1 (5.0)		1 (4.55)	0 (0.00)	
Complete blood count							
Haemoglobin (g/ dl)	13.7±1.9 13.5 (12.3, 15.1)	13.4±1.8 13.3 (12.3, 14.2)	14.2±2.0 14.1 (12.5, 15.9)	0.123 ^c	13.9±2.2 13.4 (12.4, 15.6)	13.5±1.7 13.6 (12.2, 15.0)	0.488 ^a
Red blood cell (10 ⁶ /ml)	4.8±0.7 4.7 (4.3, 5.3)	4.80±0.7 4.6 (4.2, 5.3)	4.8±0.7 4.8 (4.4, 5.3)	0.947 ^c	5.0±0.7 5.1 (4.6, 5.5)	4.6±0.7 4.6 (4.2, 5.1)	0.030 ^a
Haematocrit (%)	39.7±4.9 39.4 (35.7, 43.1)	39.1±5.0 38.7 (34.5, 42.2)	40.8±4.8 41.2 (36.4, 44.4)	0.231 ^c	40.6±5.5 39.5 (36.9, 43.7)	39.1±4.5 39.4 (35.2, 42.8)	0.283 ^a
Platelet (10 ³ /ml)	265.8±113.2 254.0 (183.0, 331.0)	291.3±124.9 286.0 (191.0, 381.0)	221.1±72.1 217.0 (159.3, 262.0)	0.011 ^c	246.5±102.6 198.0 (178.0, 332.5)	278.7±119.5 256.0 (184.0, 348.0)	0.497 ^a
White blood cell (10 ³ /ml)	8.7±4.0 8.1 (6.0, 10.3)	9.3±3.4 9.3 (6.6, 10.6)	7.6±4.7 6.5 (5.5, 8.6)	0.139 ^c	9.8±5.1 10.0 (5.5, 11.2)	7.9±2.9 7.5 (6.0, 9.4)	0.084 ^c
Neutrophil count (10 ³ /ml)	6.9±3.6 6.7 (4.5, 8.4)	7.6±3.1 7.3 (5.1, 9.3)	5.8±4.2 4.9 (3.1, 7.1)	0.087 ^c	8.2±4.5 8.2 (3.9, 9.7)	6.1±2.6 5.4 (4.6, 7.4)	0.057 ^a
Lymphocyte count (10 ³ /ml)	1.5±2.9 1.0 (0.7, 1.6)	1.7±3.7 1.0 (0.6, 1.6)	1.2±0.6 1.2 (0.8, 1.6)	0.286 ^a	1.1±0.5 1.0 (0.7, 1.6)	1.8±3.8 1.0 (0.8, 1.6)	0.514 ^a
Eosinophil count (10 ³ /ml)	0.01±0.03 0.00 (0.00, 0.01)	0.02±0.03 0.00 (0.00, 0.01)	0.01±0.02 0.00 (0.00, 0.01)	0.465 ^a	0.01±0.02 0.00 (0.00, 0.00)	0.01±0.03 0.00 (0.00, 0.01)	0.460 ^a
Basophil count (10 ³ /mL)	0.02±0.01 0.02 (0.01, 0.03)	0.02±0.01 0.02 (0.01, 0.03)	0.02±0.01 0.02 (0.01, 0.03)	0.489 ^a	0.02±0.01 0.02 (0.01, 0.02)	0.02±0.01 0.02 (0.01, 0.03)	0.460 ^a
Monocyte count (10 ³ /ml)	0.5±0.3 0.5 (0.3, 0.7)	0.5±0.3 0.5 (0.3, 0.7)	0.5±0.4 0.4 (0.3, 0.6)	0.462 ^a	0.5±0.4 0.5 (0.3, 0.6)	0.5±0.3 0.5 (0.3, 0.7)	0.966 ^c
NLR	7.9±6.5 6.2 (4.0, 9.7)	9.1±7.4 7.9 (4.4, 10.7)	5.7±4.0 4.7 (2.1, 8.9)	0.050 ^a	9.5±7.7 8.0 (4.4, 10.2)	6.8±5.5 5.0 (2.7, 9.7)	0.112 ^a
PLR	299.8±234.4 221.4 (150.0, 362.6)	344.2±268.6 244.1 (165.8, 448.6)	221.9±130.6 184.0 (127.0, 325.1)	0.104 ^a	284.0±190.6 196.6 (144.7, 376.5)	310.3±262.0 223.9 (154.1, 349.1)	0.959 ^a

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Liver function test							
SGOT (U/L)	73.3±66.7 57.0 (37.0, 83.0)	80.9±76.1 64.0 (38.0, 88.0)	60.2±44.8 55.5 (37.0, 68.0)	0.198 ^a	93.7±88.0 72.5 (51.0, 103.5)	59.8±44.2 48.0 (35.0, 70.5)	0.025 ^a
SGPT (U/L)	61.3±93.9 40.0 (27.0, 63.0)	56.8±41.8 44.0 (27.0, 73.0)	69.1±147.8 33.5 (24.0, 47.3)	0.132 ^a	54.3±37.6 46.0 (24.5, 79.3)	65.9±117.9 38.0 (27.5, 56.5)	0.514 ^a
Renal function test							
BUN (mg/dl)	20.4±17.9 14.6 (11.8, 22.8)	22.1±17.7 15.7 (11.8, 24.7)	17.4±18.3 13.5 (11.5, 15.5)	0.090 ^a	29.4±25.3 20.1 (12.9, 41.9)	14.4±5.3 13.7 (11.5, 15.8)	0.019 ^a
Creatinine (mg/dl)	1.4±1.92 1.0 (0.72, 1.25)	1.41±2.31 0.85 (0.66, 1.29)	1.25±0.96 1.03 (0.85, 1.21)	0.358 ^a	1.88±2.95 1.05 (0.65, 2.05)	0.99±0.40 0.93 (0.73, 1.20)	0.577 ^a
Electrolyte							
Sodium (mmol/L)	134.5±6.1 135.0 (132.0, 138.0)	134.7±7.0 135.0 (132.0, 139.0)	134.3±4.2 134.5 (131.3, 137.0)	0.875 ^c	135.6±4.4 136.0 (132.5, 139.3)	133.7±7.0 135.0 (132.0, 137.5)	0.270 ^c
Potassium (mmol/L)	4.1±0.6 4.0 (3.7, 4.5)	4.1±0.6 4.0 (3.7, 4.5)	4.1±0.5 4.2 (3.7, 4.4)	0.685 ^c	4.4±0.6 4.4 (4.0, 4.8)	3.9±0.4 3.8 (3.7, 4.3)	0.001 ^c
Chloride (mmol/L)	103.6±5.2 104.0 (102.0, 106.0)	103.7±5.5 104.0 (102.0, 106.0)	103.5±4.7 104.0 (100.0, 107.0)	0.915 ^c	104.6±3.0 104.5 (102.0, 106.3)	103.0±6.2 104.0 (101.0, 106.5)	0.273 ^c
Anion gap (mmol/L)	15.1±5.5 14.2 (11.7, 18.9)	14.4±6.1 14.0 (8.5, 19.3)	16.3±4.2 15.3 (13.8, 17.5)	0.236 ^c	15.6±5.9 15.3 (11.2, 19.9)	14.7±5.3 14.0 (11.5, 17.5)	0.587 ^c
D-dimer (mcg/ml)	2.8±4.9 1.2 (0.7, 1.9)	3.9±5.9 1.3 (1.0, 4.1)	0.9±0.6 0.7 (0.5, 1.3)	0.002 ^a	3.8±4.4 1.6 (1.1, 5.2)	2.2±5.2 1.0 (0.6, 1.4)	0.009 ^a
Ferritin (ng/ml) (N/A=18)	1481.7±1220.7 1043.0 (714.4, 2090.5)	1541.3±1243.3 1043.0 (823.4, 2173.5)	1357.5±1216.3 1129.0 (375.1, 2128.0)	0.581 ^a	1867.3±1417.8 1423.0 (874.5, 3004.5)	1153.9±940.5 1001.0 (393.4, 1398.5)	0.113 ^a
Interleukin-6 (pg/ml) (N/A=13)	408.9±1694.1 48.9 (13.5, 168.0)	191.8±359.4 65.2 (12.8, 215.3)	761.7±273.1 25.5 (13.2, 114.1)	0.816 ^a	917.1±2622.2 126.6 (59.9, 341.21)	63.3±108.3 18.8 (11.0, 65.2)	0.003 ^a
Procalcitonin, ng/ml, n (%)							
<0.05	16 (29.1)	9 (25.7)	7 (35.0)	0.322 ^a	6 (27.3)	10 (30.3)	0.130 ^a
0.05–<0.5	30 (54.6)	19 (54.3)	11 (55.0)		9 (40.9)	21 (63.6)	
0.5–<2	5 (9.1)	4 (11.4)	1 (5.0)		3 (13.6)	2 (6.1)	
2–<10	1 (1.8)	1 (2.9)	0 (0.0)		1 (4.5)	0 (0.0)	
≥10	3 (5.5)	2 (5.7)	1 (5.0)		3 (13.6)	0 (0.0)	
C-Reactive protein (mg/L)	103.9±86.0 77.9 (43.6, 169.1)	112.8±88.5 84.4 (46.6, 178.9)	88.3±81.3 67.5 (30.2, 96.7)	0.377 ^a	142.7±107.7 138.6 (45.3, 210.1)	78.0±56.1 65.4 (35.2, 108.2)	0.041 ^a

Continuous variables are shown as mean±SD and median (interquartile range [IQR]) The comparison between two groups, either severe vs. non-severe and non-survivor vs. survivor, was performed using (a) Mann–Whitney *U* test (b), Fisher's exact test (c), independent T-test, BUN, blood urea nitrogen; CCI, Charlson Comorbidity Index; N/A, not available; NLR, neutrophil-to-lymphocyte ratio; PLR, platelet-to-lymphocyte ratio; RBC, red blood cell; SGOT, serum glutamic oxaloacetic transaminase; SGPT, serum glutamic pyruvic transaminase; WBC, white blood cell.