

Table 3: Laboratory results of COVID-19 patients. ICU=intensive care unit. P values comparing ICU group and non-ICU group were obtained from X² test, Fisher's exact test, or Mann-Whitney U test. * P<0.05.

	Reference range	ICU (n=45)	Non-ICU (n=156)	Total (n=201)	P Value
White-cell count (10 ⁹ /L)		4.53 (3.25-5.92)	4.63 (3.57-5.66)	4.58 (3.44-5.67)	0.5372
≤4	4-10	18 (40.0%)	57 (36.5%)	75 (37.3%)	0.727
>4		27 (60.0%)	99 (63.5%)	126 (62.7%)	
Platelet count (10 ⁹ /L)		160.0 (132.0-208.0)	171.5 (136.3-227.8)	170.0 (135.5-224.0)	0.2530
≤100	100-300	4 (8.9%)	11 (7.1%)	15 (7.5%)	0.748
>100		41 (91.1%)	145 (92.9%)	186 (92.5%)	
Hemoglobin (g/L)		131.0 (119.5-145.0)	130.5 (121.0-141.0)	131.0 (120.5-141.5)	0.7813
≤110	110-160	4 (8.9%)	11 (7.1%)	15 (7.5%)	0.748
>110		41 (91.1%)	145 (92.9%)	186 (92.5%)	
Absolute lymphocyte count (10 ⁹ /L)		0.78 (0.54-1.03)	1.22 (0.94-1.70)	1.1 (0.8-1.6)	<0.0001*
≤0.8	0.8-4	23 (51.1%)	23 (14.7%)	46 (22.9%)	0.000*
>0.8		22 (48.9%)	133 (85.3%)	155 (77.1%)	
Absolute neutrophil count (10 ⁹ /L)	2-7	3.14 (2.11-4.40)	2.47 (1.92-3.13)	2.9 (2.0-3.8)	0.0256*
Erythrocyte sedimentation rate (mm/h)	0-15	52.0 (36.0-72.0)	35.0 (21.0-59.0)	39.0 (22.0-63.5)	0.0059*
C-reactive protein (mg/L)		42.4 (22.0-73.9)	12.2 (4.2-23.7)	15.7 (5.4-35.3)	<0.0001*
≤8	0-8	2 (4.4%)	67 (42.9%)	69 (34.3%)	0.000*
>8		43 (95.6%)	89 (57.1%)	132 (65.7%)	
Procalcitonin (ng/ml)		0.05 (0.05-0.08)	0.05 (0.05-0.05)	0.05 (0.03-0.06)	0.0007*
≤0.05	0-0.05	26 (57.8%)	118 (75.6%)	144 (71.6%)	0.024*
>0.05		19 (42.2%)	38 (24.4%)	57 (28.4%)	
Activated partial thromboplastin time (s)	26.2-46	32.4 (30.2-34.5)	32.6 (30.4-35.2)	32.5 (30.4-35.1)	0.4956
Prothrombin time (s)	10-15	12.4 (11.8-13.0)	11.8 (11.3-12.4)	12.0 (11.3-12.5)	0.0001*
D-Dimer (ug/ml)		0.32 (0.13-0.61)	0.23 (0.14-0.50)	0.25 (0.14-0.52)	0.4248
≤1	0-1	42 (93.3%)	149 (95.5%)	191 (95.0%)	0.696
>1		3 (6.7%)	7 (4.5%)	10 (5.0%)	
Albumin (g/L)		35.4 (31.4-36.7)	38.7 (35.9-41.5)	38.0 (35.3-40.5)	<0.0001*
≤35	35-55	20 (44.4%)	25 (16.0%)	45 (22.4%)	0.000*
>35		25 (55.6%)	131 (84.0%)	156 (77.6%)	
Alanine aminotransferase (U/L)		21.7 (17.2-31.2)	18.7 (14.5-26.4)	19.3 (14.8-27.7)	0.0096*
≤42	0-42	37 (82.2%)	144 (92.3%)	181 (90.0%)	0.085
>42		8 (17.8%)	12 (7.7%)	20 (10.0%)	
Aspartate aminotransferase (U/L)		30.65 (25.59-43.85)	23.54 (18.94-28.45)	24.8 (20.0-31.3)	<0.0001*
≤37	0-37	31 (68.9%)	139 (89.1%)	170 (84.6%)	0.002*
>37		14 (31.1%)	17 (10.9%)	31 (15.4%)	
Creatine kinase (U/L)		104.7 (66.7-160.3)	68.5 (44.5-110.9)	75.9 (46.6-120.8)	0.0011*
≤190	10-190	34 (75.6%)	143 (91.7%)	177 (88.1%)	0.007*
>190		11 (24.4%)	13 (8.3%)	24 (11.9%)	

Creatine kinase-MB (U/L)		11.2 (6.8-15.2)	9.7 (5.9-12.2)	10.0(6.1-12.8)	0.0981
≤24	0-24	38 (84.4%)	148 (92.5%)	186 (92.5%)	0.046*
>24		7 (15.6%)	8 (7.5%)	15 (7.5%)	
Creatinine (μmol/L)		50.1 (41.1-62.6)	49.7 (39.1-62.1)	50.0(39.9-62.0)	0.7878
≤104	21.5-104	43 (95.6%)	154 (98.7%)	197 (98.0%)	0.217
>104		2 (4.4%)	2 (1.3%)	4 (2.0%)	
Lactate dehydrogenase (U/L)		214.1 (184.9-314.4)	157.6 (134.1-198.3)	170.7 (140.3-213.0)	<0.0001*
≤225	135-225	23 (51.1%)	131 (84.0%)	154 (76.6%)	0.000*
>225		22 (48.9%)	25 (16.0%)	47 (23.4%)	
Total bilirubin (μmol/L)		12.0 (9.0-16.7)	10.9 (8.3-15.3)	11.0 (8.5-15.5)	0.2260
≤20.5	3.4-20.5	41 (91.1%)	146 (93.6%)	187 (93.0%)	0.520
>20.5		4 (8.9%)	10 (6.4%)	14 (7.0%)	
Blood urea nitrogen (mmol/L)		4.5 (3.2-5.7)	4.1 (3.2-4.8)	4.2 (3.2-5.0)	0.0664
≤8.2	2.86-8.2	42 (93.3%)	154 (98.7%)	196 (97.5%)	0.075
>8.2		3 (6.7%)	2 (1.3%)	5 (2.5%)	
Venous lactate (mg/L)	120-160	742.7 (445.2-875.2)	777.2 (409.0-831.4)	769.4 (405.2-838.5)	0.9483