

TABLE 1 Inclusion and exclusion criteria

<u>Inclusion criteria</u>
<ul style="list-style-type: none">- Viral pneumonia confirmed by computed tomography of the chest- Positive Polymerase Chain Reaction (PCR) test- Over the age of 18
<u>Exclusion criteria</u>
<ul style="list-style-type: none">- Chronic liver diseases, rheumatologic, orthopedic, psychiatric, hematological diseases- Malignancies- History of chronic disease requiring transfusion- Current therapy with steroids or nonsteroidal anti-inflammatory drugs- Antidepressant and antipsychotic treatment history

TABLE 2 Demographic characteristics and admission complaints of the patients included in the study

		Number (<i>n</i>)	Percentage (%)
Gender	Female	70	42.9
	Male	93	57.1
Smoking and alcohol	Smoking	31	19
	Alcohol	5	3.1
Initial symptom	Fever	52	31.9
	Cough	75	46.0
	Dyspnea	98	60.1
	Fatigue	114	69.9
	Anorexia	105	64.4
	weakness	74	45.4
Myalgia-arthralgia		103	63.2
	Neck	35	34
	Shoulder	31	30.1
	Back	52	50.5
	Elbow	23	22.3
	Hand-wrist	26	25.2
	Lumbar	39	37.9
	Hip-thigh	38	36.9
	Knee	49	47.6
	Foot-ankle	51	49.5

TABLE 3 Pain characteristics of patients with muscle-joint pain based on the Pain Quality Assessment Scale (PQAS). Data are expressed as mean \pm standard deviation and median (minimum-maximum)

	Mean \pm SD	Median (min-max)
Intense	4.0 \pm 2.50	3.0 (0-9)
Sharp	3.57 \pm 2.49	3.0 (0-9)
Hot	2.79 \pm 2.63	2.0 (0-9)
Dull	3.91 \pm 2.67	3.0 (0-10)
Cold	2.69 \pm 2.51	2.0 (0-8)
Sensitive	0.40 \pm 1.20	0.00 (0-8)
Tender	3.61 \pm 2.50	3.0 (0-10)
Itchy	0.24 \pm 1.10	0.00 (0-10)
Shooting	2.84 \pm 2.32	2.0 (0-9)
Numb	2.00 \pm 2.12	1.0 (0-8)
Electrical	2.56 \pm 2.09	2.0 (0-8)
Tingling	2.01 \pm 2.13	1.0 (0-8)
cramping	3.05 \pm 2.21	2.0 (0-9)
Radiating	3.61 \pm 2.71	3.0 (0-10)
Throbbing	3.32 \pm 2.57	2.0 (0-9)
Aching	2.06 \pm 2.15	1.0 (0-9)
Heavy	3.68 \pm 2.69	3.0 (0-10)
Unpleasant	3.76 \pm 2.69	3.0 (0-10)
Deep	3.94 \pm 2.87	3.0 (0-10)
Surface	3.68 \pm 2.89	3.0 (0-10)
Total score	57.82 \pm 40.38	42.0 (2.0-156.0)

TABLE 4 The Impact of Event Scale–Revised (IES-R) and blood parameters according to muscle-joint pain. Data are expressed as mean \pm standard deviation and median (minimum-maximum)

	Patients with muscle-joint pain <i>n</i> = 103 (63.2%)		Patients without muscle joint pain <i>n</i> = 60 (36.8%)		<i>P</i> value
	Mean \pm SD	Median (Min-max)	Mean \pm SD	Median (Min-max)	
IES-R	40.53 \pm 20.19	37.0 (3.0-86.0)	30.65 \pm 9.92	29.0 (10.0-51.0)	0.008*
Intrusion	12.87 \pm 6.66	11.0 (3.0-28.0)	9.65 \pm 3.55	10.0 (4.0-19.0)	0.010*
Avoidance	15.74 \pm 7.28	15.0 (0.0-32.0)	12.28 \pm 4.00	12.0 (5.0-22.0)	0.006*
Hiperarousal	10.0 \pm 5.83	9.0 (0.0-23.0)	7.33 \pm 3.22	7.0 (1.0-17.0)	0.012*
WBC	6.73 \pm 1.79	7.08 (2.84-10.45)	7.73 \pm 3.35	6.89 (2.14-17.29)	0.186
Neutrophil	5.74 \pm 3.49	4.57 (1.20-15.50)	5.86 \pm 3.33	4.82 (1.20-15.50)	0.673
Lymphocyte	1.03 \pm 0.36	1.04 (0.39-1.94)	1.26 \pm 0.66	1.16 (0.30-4.52)	0.040*
Platelet	240.92 \pm 93.47	222.00 (41-506)	231.42 \pm 85.22	211.00 (41-485)	0.588
D-dimer	1.17 \pm 1.44	0.65 (0.20-9.5)	1.03 \pm 0.98	0.60 (0.20-5.30)	0.807
LDH	388.6 \pm 182.01	368.0 (118-1316)	382.21 \pm 156.74	386.0 (136-1029)	0.911
Ferritin	453.15 \pm 482.76	267.30 (8.60-1987)	480.86 \pm 533.24	250.45 (9.90-1285)	0.859
CK	140.66 \pm 185.63	76.0 (9.0-1110)	68.78 \pm 71.50	71.5 (9.0-168.0)	0.016*
ALT	50.06 \pm 97.98	31.0 (8.0-981.0)	40.96 \pm 32.10	31.5 (8-169)	0.986
AST	50.29 \pm 56.20	38.0 (13.0-504.0)	46.5 \pm 35.64	37.0 (13.0-246.0)	1.00
BUN	38.88 \pm 24.57	33.0 (14.0-197.0)	35.48 \pm 16.14	33.0 (14.0-76.0)	0.486
Creatinine	0.97 \pm 0.22	0.95 (0.52-1.84)	0.96 \pm 0.22	0.95 (0.58-1.86)	0.642
Amylase	65.76 \pm 33.45	58.5 (11-207)	67.46 \pm 37.11	60.5 (11.0-207.0)	0.656
Lipase	34.41 \pm 28.12	29.0 (1.0-227.0)	30.60 \pm 19.69	30.0 (1.0-125.0)	0.810
Fibrinogen	611.0 \pm 398.23	524.0 (150.0-3738)	651.24 \pm 501.87	521.0 (251-1110)	0.098
CRP	41.59 \pm 44.89	21.85 (3.0-205.0)	24.61 \pm 33.75	12.65 (3.52-160.0)	0.094

* Statistically significant values, IES-R: The impact of event scale–revised, WBC: white blood cell, LDH: lactate dehydrogenase, CK: creatine kinase, ALT: alanine aminotransferase, AST: aspartame aminotransferase, BUN: blood urea nitrogen, CRP: C-reactive protein

TABLE 5 Comparison of blood parameters and Pain Quality Assessment Scale according to the Impact of Event Scale–Revised. Data are expressed as mean \pm standard deviation and median (minimum-maximum)

	Mild impact <i>n</i> = 85 (%52.1)		Severe impact <i>n</i> = 78 (%47.9)		<i>P</i> value
	Mean \pm SD	Median (min-max)	Mean \pm SD	Median (min-max)	
PQAS	45.38 \pm 36.64	33.0 (2.0-156.0)	68.26 \pm 40.71	59.5 (42.0-144.0)	0.001*
WBC	7.74 \pm 2.80	7.84 (2.14-17.29)	7.01 \pm 2.99	5.78 (2.84-16.85)	0.002*
Neutrophil	5.47 \pm 3.16	4.49 (1.20-14.47)	6.13 \pm 3.56	5.03 (1.47-15.50)	0.309
Lymphocyte	1.35 \pm 0.70	1.18 (0.39-4.55)	1.02 \pm 0.38	0.99 (0.30-2.14)	0.010*
Platelet	237.97 \pm 100.52	222.00 (41-506)	236.87 \pm 78.83	218.00 (41-493)	0.729
D-dimer	1.11 \pm 1.26	0.60 (0.20-9.0)	1.13 \pm 1.34	0.70 (0.20-9.5)	0.804
LDH	399.45 \pm 214.95	356.50 (118-1316)	372.35 \pm 112.26	382.50 (145-617)	0.814
Ferritin	481.66 \pm 522.68	255.90 (9.9-1285)	443.30 \pm 377.31	269.60 (8.6-1987)	0.731
CK	110.86 \pm 180.97	69.0 (9.0-1110)	116.13 \pm 112.50	88.0 (12.0-694.0)	0.020*
ALT	52.97 \pm 108.69	31.0 (8.0-981.0)	40.20 \pm 29.24	32.0 (8-153)	0.90
AST	53.54 \pm 62.73	40.0 (13.0-504.0)	44.07 \pm 29.89	35.0 (13.0-189.0)	0.361
BUN	38.18 \pm 26.18	31.0 (14.0-197.0)	37.11 \pm 16.36	33.0 (14.0-76.0)	0.627
Creatinine	0.96 \pm 0.23	0.94 (0.52-1.84)	0.98 \pm 0.20	0.95 (0.58-1.86)	0.601
Amylase	67.69 \pm 38.47	58.0 (13-207)	65.05 \pm 30.67	60.5 (11.0-208)	0.951
Lipase	33.07 \pm 29.67	29.0 (1.0-227.0)	33.02 \pm 20.39	29.5 (2.0-125.0)	0.605
Fibrinogen	654.68 \pm 550.53	496.0 (250-3738)	588.55 \pm 224.38	530.0 (150-1110)	0.762
CRP	49.98 \pm 52.76	31.35 (3.0-205.0)	24.98 \pm 26.71	15.50 (3.0-114.0)	0.094

* Statistically significant values, IES-R: The impact of event scale–revised, WBC: white blood cell, LDH: lactate dehydrogenase, CK: creatine kinase, ALT: alanine aminotransferase, AST: aspartame aminotransferase, BUN: blood urea nitrogen, CRP: C-reactive protein