Table 1. The age difference between groups.

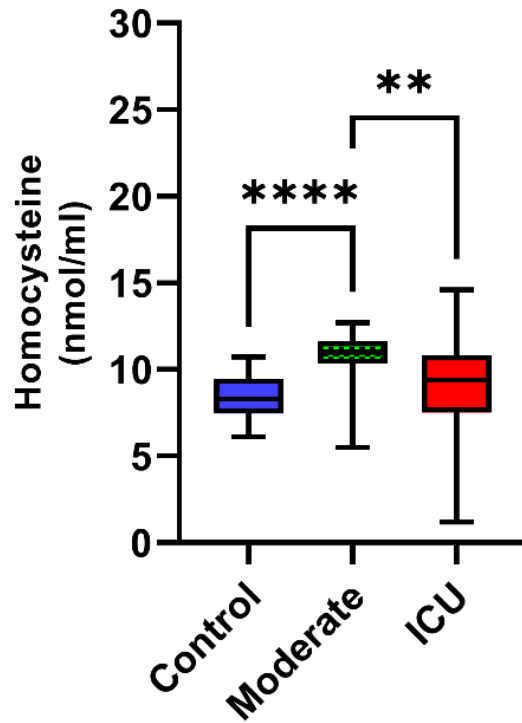| Groups	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		p-value
					Lower Bound	Upper Bound	
Control	30	56.03	8.294	1.514	52.94	59.13	0.09
Moderate	30	56.30	10.428	2.817	50.54	62.06	
ICU	30	62.53	10.085	2.572	57.27	67.79	
Total	90	58.29	13.181	1.389	55.53	61.05	

All comparisons were made using the Chi-square test or Mann-Whitney U test. The age was not significantly different between case groups compared to the control group (p>0.05).

Table 2. The correlation levels between biochemical parameters

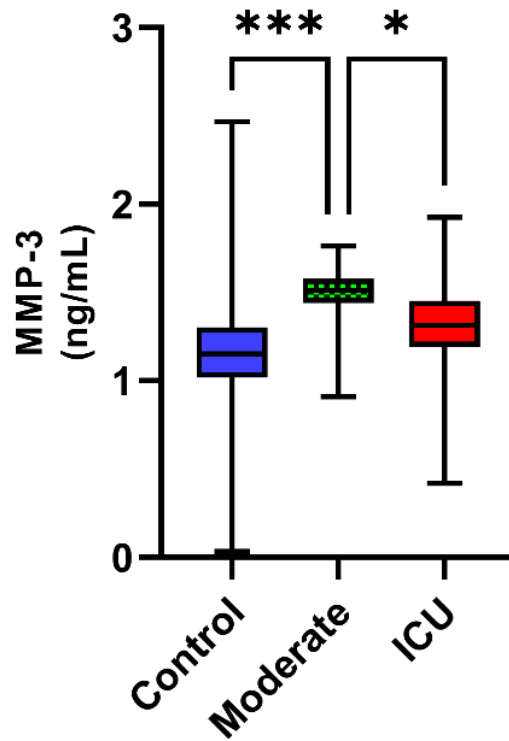| Parameters	Homocysteine	MMP3	CT severity
CRP	-.002	-.290[*]	-.042
	.991	.035	.812
LDH	.144	.263	.733[**]
	.433	.146	.000
ALT	-.044	-.003	.016
	.754	.980	.925
AST	-.029	-.032	.209
	.835	.818	.222
ALP	-.096	-.129	-.266
	.504	.363	.116
Homocysteine		.480[**]	-.123
		.000	.461
MMP3			.120
			.472

*Correlation is significant at the <0.05 level (2-tailed), **Correlation is significant at the <0.01 level (2-tailed). CRP: C-reactive protein, LDH: Lactate dehydrogenase, ALT: Alanine transaminase, AST: Aspartate transaminase, ALP: Alkaline phosphatase, MMP3: Matrix metalloproteinase 3.

Fig. 1

Figure 1. Comparison of homocysteine levels between different groups of COVID-19 and the control group (based on disease severity). Patients with COVID-19 were grouped according to WHO criteria in the moderate and ICU groups. The homocysteine levels were measured based on nanomole per milliliter (nmol/mL) with the direct ELISA method, and the difference between groups was analyzed with the Kruskal Wallis statistical test. ** ($p<0.01$), ****($p<0.0001$).

Fig. 2

Figure 2. Comparison of MMP-3 levels between different groups of COVID-19 and the control group (based on disease severity). Patients with COVID-19 were grouped according to WHO criteria in the moderate and ICU groups. The levels of MMP-3 were measured based on nanomole per milliliter (nmol/mL) with the direct ELISA method, and the difference between groups was analyzed with the Kruskal Wallis statistical test. *($p<0.05$), ***($p<0.001$).