

**Table 1. Study groups**

All patients who have been included in the study (n=273)	
1. <b>Group:</b>	Pathological agent isolated with PCR before March 11th (n=36)
2. <b>Group:</b>	Pathological agent couldn't be isolated with PCR before March 11th (n=69)
3. <b>Group:</b>	Positive PCR result for COVID-19 after March 11th (n=83)
4. <b>Group:</b>	Negative PCR result for COVID-19 after March 11th (n=85)

**Table 2. Findings evaluated in tomographic scans.**

➤ Ground glass	➤ Cavitation
➤ Consolidation	➤ Air bronchogram
➤ Distribution (peripheral, central, mixed)	➤ Nodule
➤ Linear opacity	➤ Subpleural line
➤ Round opacity	➤ Lymphadenopathy
➤ Cobblestone appearance	➤ Pleural thickening
➤ Halo sign	➤ Pleural effusion
➤ Tree-in-bud	➤ Affected lobes
➤ Interlobular septal thickening	(upper/middle/lower right and
➤ Bronchiectasis	upper/lower left)

**Table 3. Statistical hypothesis test results for laboratory findings**

Laboratory findings	COVID		p-value
	Positive (n=83)	Negative (n=85)	
<b>Platelet</b>	185 (95.1)	187 (134)	0.917
<b>Neutrophil</b>	41.5 (110)	70.5 (108)	0.129
<b>Lymphocyte</b>	1.84 (1.45)	3.26 (3.01)	<b>0.001</b>
<b>Monocyte</b>	0.83 (0.96)	1.09 (0.90)	0.117
<b>Eosinophil</b>	0.18 (0.31)	0.34 (0.41)	<b>0.011</b>
<b>C-reactive protein (CRP)</b>	22.7 (31.1)	27.8 (64.1)	0.561
<b>Neutrophil/lymphocyte</b>	11.9 (25.2)	15.5 (21.6)	0.374
<b>Monocyte/lymphocyte</b>	0.57 (0.64)	0.45 (0.42)	0.221
<b>Neutrophil/CRP</b>	306 (886)	422 (810)	0.437
<b>Lymphocyte/CRP</b>	5.13 (14.8)	12.0 (26.3)	0.063
<b>Eosinophil/CRP</b>	0.89 (2.47)	1.46 (2.79)	0.216

Data are represented as Mean (Standard Deviation)

**Table 4. Statistical hypothesis test results for tomographic findings**

Tomographic findings	COVID		p-value
	Pozitif (n=83)	Negatif (n=85)	
<b>Ground glass</b>			1.000
No	20.5%	20.0%	
Yes	79.5%	80.0%	
<b>Consolidation</b>			0.129
No	86.7%	76.5%	
Yes	13.3%	23.5%	
<b>Distribution</b>			0.132
Absent	16.9%	22.4%	
Peripheral	37.3%	21.2%	
Central	2.41%	2.35%	
Mixed	43.4%	54.1%	
<b>Linear opacity</b>			0.090
No	68.7%	81.2%	
Yes	31.3%	18.8%	
<b>Round opacity</b>			<0.001
No	44.6%	74.1%	
Yes	55.4%	25.9%	
<b>Cobblestone</b>			0.003
No	83.1%	97.6%	
Yes	16.9%	2.35%	
<b>Halo sign</b>			0.797
No	94.0%	91.8%	
Yes	6.02%	8.24%	
<b>Tree-in-bud</b>			0.056
No	96.4%	87.1%	
Yes	3.61%	12.9%	
<b>Bronchiectasis</b>			0.056
No	96.4%	87.1%	
Yes	3.61%	12.9%	
<b>Interseptal thickening</b>			0.903
No	81.9%	80.0%	
Yes	18.1%	20.0%	
<b>Cavitation</b>			1.000
No	100%	98.8%	
Yes	0.00%	1.18%	
<b>Air bronchogram</b>			1.000
No	83.1%	82.4%	
Yes	16.9%	17.6%	
<b>Nodule</b>			0.003
No	77.1%	54.1%	
Yes	22.9%	45.9%	
<b>Subplevral line</b>			0.027
No	66.3%	82.4%	
Yes	33.7%	17.6%	

<b>LAP</b>			0.083
<b>No</b>	91.6%	81.2%	
<b>Yes</b>	8.43%	18.8%	
<b>Pleural thickening</b>			0.153
<b>No</b>	89.2%	80.0%	
<b>Yes</b>	10.8%	20.0%	
<b>Pleural effusion</b>			0.228
<b>No</b>	96.4%	90.6%	
<b>Yes</b>	3.61%	9.41%	
<b>Right middle</b>			0.776
<b>No</b>	42.2%	38.8%	
<b>Yes</b>	57.8%	61.2%	
<b>Right lower</b>			0.173
<b>No</b>	27.7%	38.8%	
<b>Yes</b>	72.3%	61.2%	
<b>Right upper</b>			0.900
<b>No</b>	41.0%	38.8%	
<b>Yes</b>	59.0%	61.2%	
<b>Left upper</b>			0.155
<b>No</b>	37.3%	49.4%	
<b>Yes</b>	62.7%	50.6%	
<b>Left lower</b>			0.104
<b>No</b>	31.3%	44.7%	
<b>Yes</b>	68.7%	55.3%	

**Table 5.** Logistic regression analysis results for COVID-19 diagnosis.

Variable	Full model			Final model		
	Exp( $\beta$ )	Wald	p	Exp( $\beta$ )	Wald	p
<b>(Intercept)</b>	0.813	-0.467	0.640	0.690	-0.879	0.380
<b>Round opacity (Yes)</b>	0.334	-2.643	<b>0.008</b>	0.330	-2.725	<b>0.006</b>
<b>Cobblestone (Yes)</b>	0.205	-1.901	0.057	-	-	-
<b>Subpleural line (Yes)</b>	0.288	-2.624	<b>0.009</b>	0.281	-2.693	<b>0.007</b>
<b>Nodule (Yes)</b>	2.404	2.054	<b>0.040</b>	2.447	2.139	<b>0.032</b>
<b>Lymphocyte</b>	1.475	2.195	<b>0.028</b>	1.464	2.992	<b>0.003</b>
<b>Eosinphil</b>	0.818	-0.254	0.799	-	-	-

Exp( $\beta$ ): Odds ratio

**Table 6.** Performance metric results for the final logistic regression model.

Metric	Value
Accuracy	0.704
Sensitivity	0.683
Specificity	0.725
C index	0.778
Nagelkerke- $R^2$	0.310