Appendix

Classification of COVID-19 disease severity

The severity of COVID-19 was classified according to the WHO guidelines. Patients with COVID-19 were divided into five subtypes according to the degree of disease severity. Asymptomatic patients were those who were only tested positive for COVID-19 but did not show any clinical, biochemical, or radiological features of the disease. The mild type was defined as having mild clinical symptoms without hypoxia or infiltrates on radiography. The moderate type was defined as fever and/or respiratory symptoms plus lung infiltrates on radiography. The severe type was diagnosed based on clinical and radiological signs of pneumonia (fever, cough, dyspnea, tachypnea, infiltrates on chest x-ray) plus one of the following: respiratory rate > 30 breaths/min; severe respiratory distress; or SpO_2 < 90% on room air, artery $PaO_2/FiO_2 \leq 300$ mm Hg (1 mm Hg=0.133 kPa).

Table 1 Association of GI symptoms with different Treatment groups

		Diarrhea	Nausea	Vomiting	Epigastric pain	GERD	Anorexia	GIB	Any GI
Group (524)	1	73 (13.9%)	158 (30.2%)	148 (28.2%)	57 (10.9%)	6 (1.1%)	51 (9.7%)	11 (2.1%)	202 (38.5%)
P-value		0.49	0.51	0.13	1.00	1.00	0.07	1.00	0.26
Group (431)	2	58 (13.5%)	134 (31.1%)	126 (29.2%)	47 (10.9%)	6 (1.4%)	43 (10.0%)	9 (2.1%)	169 (39.2%)
P-value		0.37	0.23	0.07	1.00	0.19	0.38	1.00	0.22
Group (307)	3	37 (12.1%)	103 (33.6%)	102 (33.2%)	37 (12.1%)	4 (1.3%)	36 (11.7%)	8 (2.6%)	126 (41.0%)
P-value		0.13	**0.032 [a]**	**0.001 [a]**	0.36	0.69	0.43	0.38	0.08
Group (181)	4	24 (13.3%)	60 (33.1%)	59 (32.6%)	23 (12.7%)	4 (2.2%)	22 (12.2%)	6 (3.3%)	72 (39.8%)
P-value		0.70	0.24	0.057	0.32	0.070	0.47	0.199	0.521
Group 5 (61)		13 (21.3%)	19 (31.1%)	16 (26.2%)	10 (16.4%)	2 (3.3%)	13 (21.3%)	1(1.6%)	27 (44.3%)
P-value		0.078	0.76	1.00	0.188	0.12	**0.008 [a]**	1.00	0.27
Group 6 (56)		11 (19.6%)	17 (30.4%)	15 (26.8%)	8 (14.3%)	2 (3.6%)	12 (21.4%)	1 (1.8%)	24 (42.9%)
P-value		0.23	0.88	1.00	0.37	0.10	**0.01 [a]**	1.00	0.47

Table 2 Univariate analysis of risk factors for severe COVID-19 at presentation and Clinical Outcomes

Risk Factors	Univariate Analysis	
	Odds ratio	*P*-value
	Death	
Age > 65 yrs	8.64 (3.94-18.95)	**< 0.001**
Sore throat	0.19 (0.04-0.80)	0.024
HTN	2.92 (1.44-5.91)	0.003
CAD	3.48 (1.43-8.50)	0.006
CKD	2.78 (1.09-7.12)	0.032
	Disease severity at presentation	
GI symptoms	1.72 (1.66-2.55)	0.006
Smoking	1.94 (1.23-2.06)	0.004
HTN	2.04 (1.39-2.96)	**<0.001**
DM	2.30 (1.59-3.33)	**<0.001**
	ICU admission	
Age > 65 yrs	2.09 (1.45-3.01)	**<0.001**
Gender (male)	1.90 (1.17-3.10)	0.009
Fever	3.30 (2.07-5.25)	**<0.001**
Cough	2.25 (1.50-3.37)	**<0.001**
Myalgias	1.52 (1.07-1.16)	0.018
HTN	2.05 (1.45-2.88)	**<0.001**
DM	1.76 (1.27-2.46)	0.001
	Mechanical ventilation	
Age > 65 yr	2.09 (1.43-3.04)	**<0.001**
Gender (male)	1.92 (1.10-3.33)	0.02
Fever	4.30 (2.39-74)	**<0.001**
Cough	2.35 (1.48-3.73)	**<0.001**

Shortness of breath	3.25 (2.24-4.71)	**<0.001**
HTN	1.91 (1.33-2.73)	**<0.001**
DM	1.53 (1.07-2.17)	0.018