

Table 1. Demographic Characteristics and Signs and symptoms of Covid-19 patients

	SEVERITY			
	TOTAL n (%)	MILD n (%)	MODERATE n (%)	SEVERE n (%)
Age	52.25±17.52	44.60±15.52	54.57±16.62	66.54±12.68
Sex				
Female	77 (49.7)	49 (62.8%)	14 (33.3%)	14 (40.0%)
Male	78 (50.3)	29 (37.2%)	28 (66.7%)	21 (60.0%)
Signs and symptoms				
Fever or chills	55 (35.5)	15 (19.2)	23 (54.8)	17 (48.6)
Cough	55 (35.5)	24 (30.8)	17 (40.5)	14 (40.0)
Fatigue	46 (29.7)	29 (37.2)	8 (19.0)	9 (25.7)
Diarrhea	25 (16.1)	16 (20.5)	4 (9.5)	5 (14.3)
Sore throat	9 (5.8)	17 (21.8)	5 (11.9)	8 (22.9)
Muscle soreness	28 (18.1)	18 (23.1)	4 (9.5)	6 (17.1)
Nausea or vomiting	17 (11.0)	6 (7.7)	4 (9.5)	7 (20.0)
respiratory distress	39 (25.3)	1(1.3)	14 (33.3)	24 (68.6)
Persistent pain or pressure in the chest	9 (5.8)	1 (1.3)	1 (2.4)	7 (20.0)
Joint pain	26 (16.8)	15 (19.2)	4 (9.5)	7 (20.0)
Loss of sense of smell and taste	18 (11.6)	10 (12.8)	2 (4.8)	6 (17.1)
Headache	33 (21.3)	21 (26.9)	5 (11.9)	7 (20.0)

Table 2. Allele and genotype distribution of ACE I/D polymorphism and genotype frequency of ACE2 rs2106809 and rs2285666 polymorphisms in Covid-19 patients according to the severity of the disease.

SNP	Gender	Genotype/ Allele	SEVERITY			χ^2	p
			MILD n (%)	MODERATE n (%)	SEVERE n (%)		
ACE I/D Polymorphism	Female and Male (all subjects)	II	17 (21.8)	4 (9.8)	6 (17.1)	6.11	0.191
		ID	37 (47.4)	27 (65.9)	15 (42.9)		
		DD	24 (30.8)	10 (24.4)	14 (40.0)		
		I	64 (50.0)	32 (60.4)	24 (49.0)	1.87	0.392
		D	64 (50.0)	21 (39.6)	25 (51.0)		
rs2106809	Female	AA	22 (44.9)	6 (42.9)	9 (64.3)	2.72	0.606
		AG	22 (44.9)	6 (42.9)	3 (21.4)		
		GG	5 (10.2)	2 (14.3)	2 (14.3)		
	Male	A	22 (75.9)	19 (67.9)	18 (85.7)	2.07	0.354
		G	7 (24.1)	9 (32.1)	3 (14.3)		
rs2285666	Female	CC	23 (46.9)	7 (50.0)	7 (50.0)	0.76	0.942
		CT	22 (44.9)	5 (35.7)	6 (42.9)		
		TT	4 (8.2)	2 (14.3)	1 (7.1)		
	Male	C	22 (75.9)	18 (64.3)	17 (81.0)	1.87	0.391
		T	7 (24.1)	10 (35.7)	4 (19.0)		

Table 3. Haplotype frequency of ACE2 rs2106809 and rs2285666 polymorphisms in Covid-19 patients according to the severity of the disease.

Haplotype	SEVERITY			χ^2	p
rs2106809/ rs2285666	MILDn (%)	MODERATEn (%)	SEVEREn (%)		
AC	85 (66.9)	35 (63.6)	36 (73.5)	5.19	0.519
AT	3 (2.4)	1 (1.8)	3 (6.1)		
GC	5 (3.9)	1 (1.8)	1 (2.0)		
GT	34 (26.8)	18 (32.7)	9 (18.4)		