

Table 1 Epidemiological and clinical characteristics of 387 hospitalized COVID-19 patients in Beirut according to the spike gene target failure status, December 2020–February 2021

Characteristic	Total (n = 387)	Non-SGTF (n = 154)	B.1.1.7/SGTF (n = 233)	P-value
Age, years (median, IQR)	59 (48–72)	65 (55–76)	56 (47–68)	< 0.0001
	No. (%)	No. (%)	No. (%)	
Male sex	254 (66)	95 (62)	159 (68)	0.1840
Age < 65 years	236 (61)	74 (48)	162 (70)	< 0.0001
Smoker	106 (27)	31 (20)	75 (32)	0.0092
Contact with confirmed cases	197 (51)	81 (53)	116 (50)	0.5881
Severity of illness				
Mild	4 (1)	2 (1)	2 (1)	0.6517
Moderate	51 (13)	25 (16)	26 (11)	0.1485
Severe	322 (83)	122 (79)	200 (86)	0.0883
Critical	10 (3)	5 (4)	5 (2)	0.5276
Comorbidities				
Hypertension	187 (48)	87 (56)	100 (43)	0.0089
Diabetes	125 (32)	51 (33)	72 (31)	0.6468
Cardiovascular disease	129 (33)	43 (28)	86 (37)	0.0664
Comorbid conditions*				
0	143 (37)	50 (32)	93 (40)	0.1374
1	85 (22)	37 (24)	48 (21)	0.4257
≥ 2	160 (41)	67 (43.5)	93 (40)	0.4824
Chronic immunosuppression	22 (6)	11 (7)	11 (5)	0.3139
Complications				
In-hospital mortality	88 (23)	37 (24)	51 (22)	0.6234
ICU admission	102 (26)	39 (25)	63 (27)	0.7080
Mechanical ventilation	79 (20)	34 (22)	45 (19)	0.5090
Acute respiratory distress syndrome	82 (21)	32 (21)	50 (21)	0.8727
Cardiac arrest	65 (17)	21 (14)	44 (19)	0.1765
Septic shock	65 (17)	23 (15)	42 (18)	0.4260
Nosocomial infection	43 (11)	11 (7)	32 (14)	0.0434
Multi-organ failure	5 (1)	5 (4)	0 (0)	0.0096
Duration of stay in ICU, days (median, IQR)	10 (6–18)	9 (4–18)	11 (6–21)	0.3750

*Comorbid conditions included: diabetes, hypertension, cardiovascular disease, solid or haematologic malignancy, chronic renal failure, liver disease, asthma and chronic obstructive pulmonary disease.

IQR = interquartile range.

ICU = intensive care unit.