



Supplemental Figure 1: Mortality Stratified by Age Group. Caption: Fatalities within COVID-19 patients stratified by age group categories with a notable rise with increasing age.

A. Baseline Characteristics	Survived	Died	P	Not Intubated	Intubated	P
Number of patients (n)	112	21		104	29	
Age (mean (SD))	58.63(17.04)	66.24(14.13)	0.057	60.19(16.48)	58.55(18.12)	0.644
Women (n (%))	55(49.1)	9(42.9)	0.773	53(51.0)	11(37.9)	0.302
Race (n (%))			0.786			0.479
Caucasian	39(34.8)	8(38.1)		38(36.5)	9(31.0)	
Hispanic	36(32.1)	6(28.6)		31(29.8)	11(37.9)	
African American	12(10.7)	1(4.8)		12(11.5)	1(3.4)	
Other	25(22.3)	6(28.6)		23(22.1)	8(27.6)	
BMI (kg/m ²) (mean (SD))	31.03(8.83)	34.34(15.90)	0.185	30.33(7.82)	35.90(15.63)	0.011
Heart Failure (n (%))	23(20.5)	11(52.4)	0.005	22(21.2)	12(41.4)	0.049
Coronary Artery Disease (n (%))	13(11.6)	4(19.0)	0.561	12(11.5)	5(17.2)	0.618
Hypertension (n (%))	75 (67.0)	14(66.7)	1	69(66.3)	20(69.0)	0.967
Diabetes (n (%))	44 (39.3)	11 (52.4)	0.381	42(40.4)	13(44.8)	0.829
Hyperlipidemia (n (%))	39(34.8)	9(42.9)	0.648	40(38.5)	8(27.6)	0.39
Chronic Obstructive Pulmonary Disease (n (%))	9(8.0)	3(14.3)	0.615	8(7.7)	4(13.8)	0.517
Obstructive Sleep Apnea (n (%))	9(8.0)	5(23.8)	0.076	8(7.7)	6(20.7)	0.094
ACEi / ARB/ ARNI (n (%))	84(75.0)	17(81.0)	0.759	76(73.1)	25(86.2)	0.224
Admission heart rate (mean (SD))	93.73(23.61)	94.29(26.74)	0.923	92.35(21.94)	99.10(30.21)	0.181
Admission systolic blood pressure (mean (SD))	125.54(25.03)	114.14(26.18)	0.059	124.71(18.31)	120.28(42.50)	0.409

Admission diastolic blood pressure (mean (SD))	71.16(16.38)	65.62(25.47)	0.199	71.74(14.54)	65.07(27.06)	0.079
Admission Lactate (mmol/L) (mean (SD))	1.57(0.92)	4.45(5.45)	<0.001	1.47(0.69)	3.61(4.46)	<0.001
Admission QTc (ms) (mean (SD))	452.59(37.94)	480.05(54.44)	0.006	450.47(36.23)	479.66(52.52)	0.001
Admission proBNP (ng/L) (mean (SD))	4083.11 (12620.67)	3380.82 (2853.17)	0.826	4244.72 (13114.86)	3094.87 (3440.29)	0.686
Elevated proBNP (n (%))	20(28.2)	12(75.0)	0.001	18(27.7)	14(63.6)	0.006
B. Hospital Course						
Hydrochloroquine (n (%))	23(20.5)	4(19.0)	1	19(18.3)	8(27.6)	0.4
Fractional inspired O ₂ (%) (mean (SD))	33.71(21.14)	57.33(33.03)	<0.001	31.08(17.00)	60.28(33.90)	<0.001
Required Intubation (n (%))	12(10.7)	17(81.0)	<0.001	0(0.0)	29(100.0)	<0.001
Length of stay, days (mean(SD))	8.94(8.93)	12.43(10.68)	0.114	7.18(6.57)	17.76(12.49)	<0.001
ACEi: Angiotensin Converting Enzyme inhibitor; ARB: Aldosterone Receptor Blocker; ARNI: Angiotensin Receptor Nephilysin Inhibitor						

Supplemental Table 1: Univariate Characteristics and Outcomes of COVID-19 Patients.

A. Baseline Characteristics	Non-Heart Failure	Heart Failure	P
Number of patients (n)	99	34	
Age (mean (SD))	57.27 (16.47)	67.29 (15.70)	0.002
Women (n (%))	50 (50.5)	14 (41.2)	0.459
Race (n (%))			0.293
Caucasian	36 (36.4)	11 (32.4)	
Hispanic	27 (27.3)	15 (44.1)	
African American	11 (11.1)	2 (5.9)	
Other	25 (25.3)	6 (17.6)	
Body Mass Index (kg/m ²) (mean (SD))	30.90 (8.42)	33.51 (14.39)	0.213
Coronary Artery Disease (n (%))	7 (7.1)	10 (29.4)	0.002
Hypertension (n (%))	58 (58.6)	31 (91.2)	0.001
Diabetes (n (%))	33 (33.3)	22 (64.7)	0.003
Hyperlipidemia (n (%))	26 (26.3)	22 (64.7)	<0.001
Chronic Obstructive Pulmonary Disease (n (%))	5 (5.1)	7 (20.6)	0.017
Obstructive Sleep Apnea (n (%))	7 (7.1)	7 (20.6)	0.058
ACEi, ARB, ARNI (n(%))	81 (81.8)	20 (58.8)	0.013
Admission heart rate (mean (SD))	96.26 (20.80)	86.71 (30.88)	0.045

Admission systolic blood pressure (mean (SD))	124.16 (23.34)	122.53 (31.20)	0.748
Admission diastolic blood pressure (mean (SD))	72.49 (16.41)	63.85 (21.32)	0.016
Admission Lactate (mmol/L) (mean (SD))	2.06 (2.75)	1.95 (1.66)	0.844
Admission QTc (ms) (mean (SD))	448.88 (34.74)	479.71 (51.91)	<0.001
Elevated proBNP (n (%))	13 (22.4)	19 (65.5)	<0.001
Admission proBNP (ng/L) (mean (SD))	1141.66 (2531.94)	9578.55 (18,455.22)	0.001
B. Hospital Outcomes			
Hydroxychloroquine (%)	22 (22.2)	5 (14.7)	0.488
Fractional inspired O2 (%) (mean (SD))	36.62 (23.01)	39.85 (29.71)	0.514
Required Intubation (n (%))	17 (17.2)	12 (35.3)	0.049
Length of stay, days (mean (SD))	9.19 (8.95)	10.35 (10.23)	0.531
Mortality (n (%))	10 (10.1)	11 (32.4)	0.005

Supplemental Table 2: Baseline Characteristics of COVID-19 Patients by Heart Failure Status.