

**Supplementary Table 1: Admitted patient echocardiography findings, and laboratory parameters in relation to intubation and expiration**

Variables	Admitted patients (n=180)	Outcomes					
		Not intubated (n=126)	Intubated (n=54)	P-value	No death (n=121)	Death (n=59)	P-value
<b>Encounter Location (%)</b>				0.89			0.50
<b>Manhattan</b>	57 (32)	39 (31)	18 (33)		41 (34)	16 (27)	
<b>Brooklyn</b>	108 (60)	77 (61)	31 (57)		69 (57)	39 (66)	
<b>Queens</b>	15 (8.3)	10 (7.9)	5 (9.3)		11 (9.1)	4 (6.8)	
<b>Laboratory parameters [IQR]</b>							
<b>Procalcitonin median (ng/mL)</b>	0.51 [0.17, 2.6]	0.32 [0.12, 1.6]	1.7 [0.39, 11]	<b>&lt;0.001</b>	0.32 [0.12, 1.6]	1.53 [0.34, 5.7]	<b>0.002</b>
<b>Troponin median (ng/mL)</b>	0.05 [0.02, 0.19]	0.03 [0.02, 0.11]	0.18 [0.05, 0.35]	<b>&lt;0.001</b>	0.03 [0.02, 0.11]	0.16 [0.04, 0.44]	<b>&lt;0.001</b>
<b>BNP median (pg/mL)</b>	93 [38, 298]	104 [41, 303]	62 [35, 289]	0.39	74 [36, 213]	193 [56, 382]	<b>0.03</b>
<b>CKMB median (u/L)</b>	2.9 [1.5, 5.2]	1.8 [0.80, 3.0]	4.0 [2.3, 6.8]	<b>0.02</b>	2.9 [1.2, 4.0]	4.2 [1.7, 6.6]	0.12
<b>ALT median (u/L)</b>	47 [23, 83]	35 [20, 70]	73 [39, 156]	<b>&lt;0.001</b>	38 [20, 76]	54 [31, 118]	<b>0.01</b>
<b>AST median (u/L)</b>	58 [35, 117]	46 [30, 77]	118 [66, 167]	<b>&lt;0.001</b>	47 [30, 83]	92 [57, 157]	<b>&lt;0.001</b>
<b>D-dimer median (ug/mL)</b>	4.8 [1.6, 12]	3.3 [1.3, 8.0]	9.3 [3.8, 15]	<b>0.001</b>	4.1 [1.6, 8.3]	9.2 [2.0, 15]	0.09
<b>AKI (%)</b>	41 (23)	24 (19)	17 (32)	0.1	21 (17)	20 (34)	<b>0.02</b>
<b>VTE (%)</b>	7 (3.9)	2 (1.6)	5 (9.3)	<b>0.04</b>	4 (3.3)	3 (5.1)	0.87
<b>Echo findings (n=91)</b>							
<b>LVEF median [IQR]</b>	60 [53, 66]	60 [53, 65]	61 [54, 67]	0.59	59 [52, 65]	60 [55, 67]	0.55
<b>RV size (% normal)</b>	78/91 (86)	48/56 (86)	30/35 (86)	1	45/54 (83)	33/37 (89)	0.63
<b>LV size (%)</b>				0.51			0.96
<b>Dilated</b>	7/91 (7.7)	3/56 (5.4)	4/35 (11)		4/54 (7.4)	3/37 (8.1)	
<b>Normal</b>	82/91 (90)	51/56 (91)	31/35 (89)		49/54 (91)	33/37 (89)	
<b>Reduced</b>	2/91 (2.2)	2/56 (3.6)	0/35 (0.0)		1/54 (1.9)	1/37 (2.7)	

Categorical variables are expressed as counts and percentages. Continuous variables are expressed as medians with interquartile ranges (IQR). Significant p-values ( $\leq 0.05$ ) are bolded. Venous thromboembolic events (VTE) defined by radiographic evidence. Right ventricular (RV) and left ventricular (LV) sizes categorized according to echocardiographic report by board-certified cardiologists. BNP=brain natriuretic peptide; CKMB= creatine kinase myocardial band; ALT=alanine aminotransferase; AST=aspartate aminotransferase; AKI=acute kidney injury; VTE=venous thromboembolic event; LVEF=left ventricular ejection fraction; RV=right ventricle; LV=left ventricle.