

## **Supplemental Material**

**Supplemental Table 1.** Characteristics and presentation of patients with end-stage kidney disease and COVID-19 admitted to a single center in New York City, by mechanical ventilation status.

**Supplemental Table 2.** Laboratory results of patients with end-stage kidney disease and COVID-19 admitted to a single center in New York City, by vital status.

**Supplemental Table 1.** Characteristics and presentation of patients with end-stage kidney disease and COVID-19 admitted to a single center in New York City, by mechanical ventilation status.

	No Mechanical Ventilation n=40 (68%)	Mechanical Ventilation n=8 (14%)	Died with "Do Not Intubate" Advanced Directive n=11 (19%)
<i>Demographics on Admission</i>			
Age, years	62 (54-73)	65 (58-79)	81 (62-82)
Male	24 (60)	2 (25)	7 (64)
Race			
White/Caucasian	7 (18)	2 (25)	2 (18)
Black/African American	10 (25)	3 (38)	2 (18)
Other/No Answer	23 (58)	3 (38)	7 (64)
Hispanic ethnicity	31 (78)	3 (38)	10 (91)
Charlson comorbidity index	7 (5-8)	6 (6-8)	8 (6-12)
Body mass index, kg/m <sup>2</sup> (n=57)	25.0 (22.4-30.5)	28.8 (27.9-32.5)	26.1 (19.0-28.6)
Body mass index >= 25 (n=57)	20 (50)	6/7 (86)	5/10 (50)
Hypertension	40 (100)	8 (100)	10 (91)
Diabetes	29 (73)	5 (63)	7 (64)
Coronary artery disease	18 (45)	3 (38)	6 (55)
Pulmonary disease	6 (15)	2 (25)	2 (18)
Smoker			
Current	1 (3)	1 (13)	0 (0)
Former	10 (25)	4 (50)	3 (27)
Prior kidney transplant	4 (10)	1 (13)	0 (0)
ACEi or ARB use	9 (23)	2 (25)	2 (18)
Statin use	29 (73)	5 (63)	9 (82)
Dialysis Access			
AVF/AVG	33 (83)	4 (50)	10 (91)
Dialysis catheter	5 (13)	4 (50)	1 (9)
Peritoneal dialysis	2 (5)	0 (0)	0 (0)
<i>COVID-19 Presentation</i>			
Symptom onset to admission, days (n=48)*	3 (2-4)	3 (2-7)	4 (2-5)
Admitted after extended dialysis break (n=57)**	7 (18)	1/8 (13)	1 (9)
Presenting symptoms			
Fever	20 (50)	4 (50)	5 (45)
Cough	16 (40)	4 (50)	3 (27)
Dyspnea (exertional or rest)	14 (35)	2 (25)	5 (45)
Fatigue/malaise	9 (23)	1 (13)	3 (27)
Gastrointestinal	6 (15)	0 (0)	3 (27)
Chills	5 (13)	1 (13)	0 (0)
Myalgia	3 (8)	1 (13)	0 (0)
Altered mentation	3 (8)	2 (25)	0 (0)
None of the above symptoms	1 (3)	1 (13)	1 (9)
Predominant initial CXR findings			
Multifocal/bilateral opacities	26 (65)	4 (50)	5 (45)
No acute findings	7 (18)	3 (38)	1 (9)
Unilateral opacity	3 (8)	1 (13)	2 (18)
Pleural effusion	1 (3)	0 (0)	3 (27)
Pulmonary edema	3 (8)	0 (0)	0 (0)

Abbreviations: ACEi- angiotensin converting enzyme inhibitor; ARB- angiotensin receptor blocker.

\*9 patient records were missing this data or patient was unsure | \*\*2 patients on PD not included

**Supplemental Table 2.** Laboratory results of patients with end-stage kidney disease and COVID-19 admitted to a single center in New York City, by vital status

<i>median (IQR)</i>	<b>All n=59</b>	<b>Still Living n=41 (69%)</b>	<b>Deceased n=18 (31%)</b>	<b>p</b>
<i>Admission Labs*</i>				
White blood cell count, x1000/ $\mu$ l	6.0 (4.5-7.8)	5.7 (4.0-7.5)	7.5 (5.3-9.9)	0.04
Absolute lymphocyte count	800 (580-1230)	860 (570-1215)	745 (590-1403)	0.71
Ferritin, ng/mL (n=46)	2254 (1246-3505)	1611 (1119-3128)	2822 (1547-7592)	0.11
Lactate dehydrogenase, U/L (n=45)	349 (256-519)	312 (247-466)	507 (279-663)	0.04
Procalcitonin, ng/mL (n=45)	1.71 (0.81-3.39)	1.71 (0.72-3.05)	2.04 (1.28-13.82)	0.25
Erythrocyte sedimentation rate, mm/hr (n=41)	76 (43-107)	78 (42-109)	75 (41-105)	0.95
C-reactive protein, mg/L (n=47)	86.5 (26.1-168.6)	80.3 (19.6-116.0)	163 (78.1-298.0)	0.01
Interleukin-6, pg/mL (n=26)	9 (4-61)	9 (4-61)	6 (<5-32)	0.05
D-dimer, mg/L (n=45)	1.66 (0.84-3.24)	1.69 (0.84-2.49)	1.56 (1.24-4.14)	0.36
Hemoglobin	10.6 (9.7-11.8)	10.9 (10.0-12.2)	9.9 (9.1-11.2)	0.03
<i>Peak Values*</i>				
White blood cell count, x1000/ $\mu$ l	7.8 (6.0-11.9)	7.4 (5.6-8.6)	13 (9.2-18)	<0.001
Ferritin, ng/mL (n=54)	3044 (2104-5982)	2576 (1557-3837)	5877 (3077-8511)	<0.001
Lactate dehydrogenase, U/L	395 (285-615)	348 (266-533)	559 (338-851)	0.02
Procalcitonin, ng/mL (n=54)	3.08 (1.14-12.79)	1.99 (0.98-4.50)	15.4 (3.11-33.83)	<0.001
Erythrocyte sedimentation rate, mm/hr (n=51)	91 (74-121)	91 (62-123)	88 (75-123)	0.82
C-reactive protein, mg/L (n=56)	152.5 (41.4-288.8)	110.7 (25.7-198.7)	288.7 (153.3-301.0)	0.003
Interleukin-6, pg/mL (n=34)	24 (6-74)	14 (6-54)	60 (24-267)	0.03
D-dimer, mg/L (n=51)	2.47 (1.24-4.10)	1.91 (1.17-3.65)	4.02 (1.59-5.38)	0.03

\*n<59 due to labs not performed