

## Supplemental Material:

**Supplementary Table S1:** Descriptive Statistics: continuous baseline variables. U = urine, S = serum

Variable	Mean	SD	Median	Q1	Q3	Min	Max	N
Age (years)	69.13	16.08	73	59	82	18	97	378
duration of hospital stay (days)	13.05	11.31	10	7	15	0	96	378
Serum uromodulin (ng/ml)	178.72	97.79	166.5	95	251	4	398	378
Creatinine S (μmol/l)	107.23	69.51	90	72	113	34	662	378
Creatinine U (μmol/l)	9673.13	5877.9	8734.5	5210	12842.25	724	32761	312
Albumin S (g/l)	35.51	5.38	35.7	31.9	38.9	16.8	56.3	341
Albumin U (g/l)	0.17	0.36	0.05	0.02	0.15	0	3.21	305
Calcium S (mmol/l)	2.75	11.22	2.13	2.03	2.21	1.64	206	330
Chloride S (mmol/l)	98.05	5.73	98.3	94.6	101.5	78.8	116.7	221
Urea S	8.58	6.73	6.5	4.6	10.2	1.3	53.4	377
Potassium S (mmol/l)	4.16	0.56	4.1	3.8	4.5	2.6	7.3	376
Sodium S (mmol/l)	135.28	4.9	135.6	132.5	138.1	104.6	153.4	378
Sodium U (mmol/l)	59.73	41.21	51	28	84.75	10	249	322
Protein S (g/l)	63.72	7.01	63.6	59.7	68.1	35.1	90.6	349
Protein U (mg/l)	428.49	521.82	239	130.25	482	42	4511	298
Phosphate S (mmol/l)	1.08	0.4	1	0.85	1.2	0.5	2.9	59
Osmolality U (mosmol/kg)	515.38	216.54	490	351	663	91	1223	297
Uric acid S (μmol/l)	352.64	147.12	322.5	248.5	452.75	107	861	174
Urine albumin-creatinine ratio (UACR) (g/g creatinine)	0.17	0.4	0.06	0.02	0.17	0	4.38	291
C-reactive protein (CRP) (mg/l)	77.27	68.62	64.6	26.75	104.45	0.9	397.7	375
Interleukin-6 (IL-6) (ng/l)	113.04	723.79	37.25	18.52	80.97	1.5	12940	330
Procalcitonin (PCT) (μg/l)	1.23	8.88	0.12	0.07	0.28	0.02	114	350
Estimated glomerular filtration rate (eGFR) (ml/min/1.73m <sup>2</sup> )	66.92	27.52	67	46	87	6	137	377
B-type natriuretic peptide (BNP) (ng/ml)	506.34	863.23	161.51	35.3	553.25	2.95	4132.23	87
Lactate dehydrogenase (LDH) (μmol/l*s)	6.13	2.45	5.6	4.3	7.3	2.2	18.6	366
Leucocytes (Gpt/l)	6.88	3.46	6.3	4.5	8.1	1.6	27.5	378
Cystatin C (mg/l)	2.1	1.3	1.8	1.5	2.45	0.7	6.2	15
HSP27 (ng/ml)	6.37	3.11	5.87	4.11	8.32	0	23.6	243
sST2 (ng/ml)	7.62	1.86	7.85	6.58	8.95	0	11.3	243
TNFR1 (ng/ml)	3.23	2.74	2.35	1.72	3.86	0.49	24.9	243
20s Proteasome (mg)	4.9	8.22	2.26	0	6.39	0	75.57	243
Respiratory rate (breaths/min)	21.53	5.54	20	18	24	12	35	152
Horovitz index (mmHg)	275.6	106.73	280	209	340	60	633	133
Peripheral oxygen saturation (%)	90.27	7.15	92	88	95	37	99	153
Glasgow Coma Scale (points)	14.55	0.99	15	15	15	11	15	154
D-dimer (μg/l)	2846.69	4269	1231	656	2640	170	20000	117
Platelets (Gpt/l)	219.56	86.96	205	166.75	252.5	65	631	128
Creatine kinase (μmol/l*s)	6.98	13.12	2.5	1	6.7	0.4	82	82
Number of Antihypertensives	1.85	1.44	2	1	3	0	6	257

**Supplementary Table S2:** Descriptive Statistics: medication, separately for patients with/without Acute Kidney Injury (AKI)

Variable	Group	no AKI		AKI	
		Number	Percent	Number	Percent
<b>Angiotensin-converting enzyme inhibitor (ACEi)</b>	No	100	56.18	78	43.82
	Yes	38	48.10	41	51.90
<b>Angiotensin receptor blocker (ARB)</b>	No	95	56.89	72	43.11
	Yes	43	47.78	47	52.22
<b>Calcium antagonists</b>	No	120	53.57	104	46.43
	Yes	17	53.12	15	46.88
<b>Steroids</b>	No	135	55.79	107	44.21
	Yes	3	20.00	12	80.00
<b>Mineralocorticoid receptor antagonists (MRAs)</b>	No	131	56.71	100	43.29
	Yes	6	27.27	16	72.73
<b>Statins</b>	No	101	56.71	63	38.41
	Yes	37	39.78	56	60.22
<b>Aspirin</b>	No	114	56.72	87	43.28
	Yes	24	42.86	32	57.14
<b>Heparin</b>	No	137	54.58	114	45.42
	Yes	1	16.67	5	83.33
<b>Non-vitamin K antagonist oral anticoagulants (NOACs)</b>	No	116	58.29	83	41.71
	Yes	22	37.93	36	62.07
<b>Vitamin K antagonists</b>	No	136	54.18	115	45.82
	Yes	2	33.33	4	66.67

Supplementary Table S3: Pearson Correlation Coefficients with serum uromodulin. U = urine, S = serum.

Variable	Pearson	95% CI for Correlation		p-value
		Lower	Upper	
Age	-0.457	-0.533	-0.373	<0.001
Creatinine S ( $\mu\text{mol/l}$ )	-0.344	-0.430	-0.252	<0.001
Creatinine U ( $\mu\text{mol/l}$ )	0.120	0.009	0.228	0.035
Albumin S (g/l)	0.290	0.190	0.384	<0.001
Albumin U (g/l)	-0.161	-0.269	-0.050	0.005
Calcium S (mmol/l)	0.006	-0.102	0.114	0.909
Chloride S	0.012	-0.120	0.144	0.861
Urea S (mmol/l)	-0.373	-0.456	-0.282	<0.001
Potassium S (mmol/l)	-0.056	-0.157	0.045	0.275
Sodium S (mmol/l)	0.000	-0.101	0.101	0.998
Sodium U (mmol/l)	0.056	-0.053	0.164	0.315
Protein S (g/l)	0.172	0.069	0.272	0.001
Protein U (mg/l)	-0.099	-0.210	0.015	0.089
Phosphate S (mmol/l)	-0.019	-0.274	0.238	0.884
Osmolality U (mosmol/kg)	0.198	0.086	0.305	0.001
Uric acid S (mmol/l)	-0.478	-0.585	-0.354	<0.001
Urine albumin-creatinine ratio (UACR) (g/g creatinine)	-0.222	-0.329	-0.110	<0.001
C-reactive protein (CRP) (mg/l)	-0.081	-0.181	0.020	0.116
Interleukin-6 (IL-6) (ng/l)	0.044	-0.064	0.151	0.426
Procalcitonin (PCT) ( $\mu\text{g/l}$ )	-0.030	-0.135	0.075	0.571
Estimated glomerular filtration rate (eGFR) ( $\text{ml/min/1.73m}^2$ )	0.585	0.514	0.648	<0.001
B-type natriuretic peptide (BNP) (ng/l)	-0.193	-0.388	0.018	0.073
Lactate dehydrogenase (LDH) ( $\mu\text{mol/l}^2\text{s}$ )	0.042	-0.061	0.144	0.426
Leucocytes (Gpt/l)	-0.102	-0.201	-0.001	0.048
Cystatin C (mg/l)	-0.428	-0.771	0.107	0.111
HSP27 (ng/ml)	-0.027	-0.152	0.099	0.676
sST2 (ng/ml)	-0.144	-0.265	-0.018	0.025
TNFR1 (ng/ml)	-0.111	-0.233	0.015	0.085
20s Proteasome (mg)	0.053	-0.073	0.178	0.408
Respiratory rate (breaths/min)	-0.125	-0.279	0.035	0.124
Horowitz index (mmHg)	0.173	0.003	0.333	0.046
Peripheral oxygen saturation (%)	0.200	0.043	0.348	0.013
Glasgow Coma Scale (points)	0.269	0.115	0.409	0.001