

SUPPLEMENTAL MATERIAL

Table S1. Baseline Characteristics using VCS-30: volume contracted state defined as BUN/Creatinine ratio>30.

Variable	Volume contracted state (VCS-30) (n=462)	No VCS-30 (n=5509)	p-value
Age	74 ± 11	69 ± 12	<0.01
Sex, female	338 (73%)	2381 (43%)	<0.01
Race/ethnicity*			<0.01*
- Black (3%)	4 (1%)	186 (3%)	
- Asian (6%)	22 (5%)	420 (8%)	
- White (76%)	391 (85%)	4635 (84%)	
- Other (15%)	45 (10%)	268 (5%)	
Country			
- Europe/Australia/South Africa/Israel (62%)	285 (62%)	3565 (65%)	
- North America (32%)	151 (33%)	1483 (27%)	
- South America (1%)	9 (2%)	87 (2%)	
- East Asia (5%)	17 (4%)	374 (7%)	
Hypertension	337 (73%)	3917 (71%)	0.40
Diabetes mellitus	126 (27%)	1174 (21%)	<0.01
Atrial fibrillation	149 (32%)	1355 (25%)	<0.01
Heart failure	64 (14%)	441 (8%)	<0.01
Previous myocardial infarction	52 (11%)	677 (12%)	0.52
Previous stroke	70 (15%)	1054 (19%)	0.04
Previous Transient Ischemic Attack	41 (9%)	453 (9%)	0.68
THRIVE score	4 (3-5)	3 (2-5)	<0.01
Chronic kidney disease Stage			<0.01
- 0	144 (31%)	1292 (23%)	
- 1	212 (46%)	2718 (49%)	
- 2	67 (15%)	1063 (19%)	
- 3	36 (8%)	366 (7%)	
- 4	3 (1%)	65 (1%)	
- 5	0	5 (0.09%)	
Diuretics			
- Potassium-sparing	41 (9%)	479 (9%)	0.91
- Non-Potassium-sparing	210 (45%)	2240 (41%)	0.05
- Both	36 (8%)	427 (8%)	0.98
- Neither	247 (53%)	3201 (58%)	0.05
- Any diuretic	215 (47%)	2292 (42%)	0.04
Baseline Labs			
- Blood urea nitrogen (mg/dL)	30 ± 11	18 ± 7	<0.01
- Creatinine (mg/dL)	0.85 ± 0.27	0.97 ± 0.31	<0.01
- Sodium (mmol/L)	139 ± 4	140 ± 4	0.21
- Potassium (mmol/L)	4.2 ± 0.6	4.1 ± 0.5	<0.012
- Glucose (mg/dL)	146 ± 62	136 ± 54	<0.01
- Hemoglobin (g/dL)	13.1 ± 1.8	13.8 ± 1.7	<0.01
Baseline Blood Pressure			
- systolic	151 ± 23	152 ± 24	0.40
- diastolic	79 ± 15	82 ± 15	<0.01
Stroke Onset-to-Enrollment (hours)	3.8 ± 1.1	4.0 ± 1.2	0.02
Baseline NIHSS score	14 (11-18)	12 (8-16)	<0.01
Intravenous thrombolysis (rtPA)	181 (39%)	2014 (37%)	0.28
Calculated osmolality	298 ± 9	293 ± 8	<0.01

*Race comparison is white versus non-white