

Table S1 – Timeline of Participant Censorship during Follow-up

	Time from LVAD implantation				
Time from LVAD	Baseline to 1 month	1 month to 3 months	3 months to 6 months	6 months to 12 months	12 months
Participants for analysis	n=145	n=131	n=127	n=106	n=66
Transplanted	0	4	11	22	
Dead	6	0	3	3	
Dialysis	6	0	1	0	
Missing serum creatinine	1	0	2	0	
Transferred care/Lost to follow-up	1	0	4	15	

Table S2 –Association of variables that were found not to be statistically significantly associated with change in eGFR at 1 month in univariate analysis

Variable	n	β Coefficient	95% CI
Baseline Weight	131	-2.02	-5.73 to 1.68
BMI	131	-2.04	-5.74 to 1.67
BTT vs. DT	131	3.18	-1.83 to 8.18
Ischemic Cardiomyopathy	131	-1.14	-8.55 to 6.27
Smoking	131	-4.64	-12.22 to 2.94
Atrial Fibrillation	131	-3.59	-11.08 to 3.90
Chronic Kidney Disease	88	2.49	-7.26 to 12.24
COPD	130	-7.67	-16.87 to 1.54
Peripheral Arterial Disease	115	-3.02	-16.77 to 10.73
Stroke	113	-6.67	-18.67 to 5.33
Prior Cardiac Surgery	115	3.21	-5.44 to 11.85
INTERMACS Status 1-3 vs. 4-7	131	7.94	-1.06 to 16.94
Home Inotropes vs. Not on Inotropes at Home	114	2.46	-2.00 to 6.92
MCS prior to LVAD vs. no MCS	113	4.20	-5.47 to 13.87
ACEi/ARB use prior to LVAD	115	-1.03	-9.26 to 7.20
Beta-blocker use prior to LVAD	115	-1.42	-9.68 to 6.84
Mineral receptor antagonist use prior to LVAD	115	0.34	-7.76 to 8.44
Cardiac resynchronization therapy	114	-0.98	-10.54 to 8.58
Implantable cardiac defibrillator	126	-6.45	-18.89 to 5.99
Creatinine (admission)	131	0.51	-3.21 to 4.23
eGFR (admission)	131	-0.06	-3.78 to 3.66
Sodium	131	-1.72	-5.42 to 1.99
Bicarbonate	131	0.53	-3.19 to 4.23
Log NTproBNP	111	1.41	-2.55 to 5.37
Hemoglobin	131	-2.81	-6.50 to 0.88
Hemoglobin A1c	113	0.44	-3.66 to 4.53

Wettersten et al, *Kidney Medicine*, "Kidney Function Following Left Ventricular Assist Device Implantation: An Observational Cohort Study"

Log AST	116	2.50	-1.54 to 6.54
24-hour urine creatinine	63	0.60	-4.56 to 5.76
Log creatinine clearance	60	-1.09	-6.46 to 4.29
Urine blood (any vs. none)	66	-5.66	-18.30 to 6.97
Log urine protein/creatinine	116	-1.68	-5.57 to 2.20
Ejection Fraction	130	1.55	-2.18 to 5.27
CVP	119	2.59	-1.31 to 6.48
Wedge pressure	116	1.09	-2.77 to 4.95
Cardiac Index	112	-0.33	-4.31 to 3.66
PVR	89	-1.91	-6.44 to 2.62
CVP/Wedge	115	1.72	-2.16 to 5.60
PAPi	118	-2.86	-6.73 to 1.01

ACEi = angiotensin converting enzyme inhibitor; ARB = angiotensin receptor blocker; BMI = body mass index; BTT = bridge to transplant; COPD = chronic obstructive pulmonary disease; CVP = central venous pressure; DT = destination therapy; eGFR = estimated glomerular filtration rate; LVAD = left ventricular assist device; MCS = mechanical circulatory support; PAPi = pulmonary artery pressure index; PVR = pulmonary vascular resistance