

Variable	β	Standardized $\beta$	95% CI	p value
Early referral				
Age	-0.110	-0.118	-0.205 to -0.015	0.023
Malignancy	-1.266	-0.104	-2.463 to -0.069	0.038
eGFR <sup>a</sup> , mL/min/1.73 m <sup>2</sup>	0.158	0.139	0.036 to 0.279	0.011
CVC/AVF + AVG	-2.234	-0.223	-3.244 to -1.223	< 0.001
Albumin, g/dL	0.903	0.107	0.053 to 1.753	0.037
Phophorus, mg/dL	-0.349	-0.109	-0.688 to -0.009	0.044
Late referral				
CVC/AVF + AVG	-2.633	-0.148	-5.001 to -0.265	0.029
CCI	-0.415	-0.155	-0.816 to -0.015	0.042
Phophorus, mg/dL	-0.459	-0.151	-0.863 to -0.055	0.026

## Supplementary Table 2. Factors associated with serum sodium using multivariable linear regression stratified by nephrology referral

Multivariable: age, gender, hypertension, diabetes mellitus, congestive heart failure, malignancy, liver cirrhosis, charlson comorbidity index, eGFR, vascular access, nephrology referral, white blood cell, phosphorus, and albumin.

CI, confidence interval; eGFR, estimated glomerular filtration rate; CVC, central venous catheter; AVF, arteriovenous fistula; AVG, arteriovenous graft; CCI, Charlson comorbidity index.

<sup>a</sup>eGFR was calculated using the Modification of Diet in Renal Disease study equation.