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## SUPPLEMENTAL TABLES

**Table S1.** Multivariable linear regression model of comorbidities predicting plasma BCAA values ( $\mu\text{mol/L}$ ).

Model variables	$\beta$	P value
Hypertension	0.003	0.980
Diabetes	0.222	0.036
Hyperlipidemia	0.055	0.597

$\beta$ : standardized regression coefficient

**Table S2.** Multivariable linear regression model of drugs predicting plasma BCAA concentrations ( $\mu\text{mol/L}$ ) in plasma.

Model variables	$\beta$	P value
Statins	0.014	0.902
Diuretics	-0.010	0.938
Vitamin K antagonists	0.023	0.838
Glucose lowering medication	0.262	0.794
Antihypertensives	-0.094	0.925

$\beta$ : standardized regression coefficient

**Table S3.** Multivariable linear regression model of age, CPT category, MELD score and plasma BCAA concentrations predicting physical performances.

Model variables	$\beta$	P value
<b>Hand grip strength (kg)</b>		
Age	0.030	0.791
CPT score	-0.113	0.467
MELD score	-0.017	0.912
Plasma BCAA	-269	0.024
<b>4 meter walking test (s)</b>		
Age	-0.129	0.404
CPT score	0.451	0.050
MELD score	-0.133	0.552
Plasma BCAA	-0.033	0.835
<b>Sit-to-stand test (s)</b>		
Age	0.031	0.842
CPT score	0.304	0.198
MELD score	0.000	0.998
Plasma BCAA	-0.204	0.259
<b>Timed up and go test (s)</b>		
Age	-0.176	0.256
CPT score	0.057	0.814
MELD score	-0.086	0.702
Plasma BCAA	-0.422	0.029
<b>Standing balance test (points)</b>		
Age	0.320	0.063
CPT score	0.200	0.470
MELD score	0.082	0.761
Plasma BCAA	0.037	0.840

$\beta$ : standardized regression coefficient