

Supplementary Table 1. Multiple linear regression analysis of relationship between serum GDF-15 level and clinical parameters in healthy older females

	Model 1	Model 2	Model 3
Dependent variable	Adjusted R <sup>2</sup>	Adjusted R <sup>2</sup>	Adjusted R <sup>2</sup>
log (GDF-15)	0.338	0.402	0.403
log (eGFR)	0.332	0.320	0.325
Hb	0.232	0.309	0.375

Model 1, unadjusted; Model 2, adjusted by age; Model 3, adjusted by age and BMI.

Supplementary Table 2. Multiple linear regression analysis of relationship between serum GDF-15 level and clinical parameters in healthy older females

A: Multiple linear regression analysis of GDF-15 and clinical data  
Dependent variable: log (GDF-15)

	Model 1	Model 2	Model 3
Independent variable	Unstandardized B coefficient	Unstandardized B coefficient	Unstandardized B coefficient
eGFR (log)	-1.014	-0.886	-0.827
SMI	-0.015	0.065	0.004
Walking speed	-0.075	0.087	0.108
Hand-grip strength	-0.015	-0.011	-0.008
Hb	-0.084	-0.111	-0.125
Alb (log)	-0.087	-0.054	-0.012

B: Multiple linear regression analysis of eGFR and clinical data  
Dependent variable: log (eGFR)

	Model 1	Model 2	Model 3
Independent variable	Unstandardized B coefficient	Unstandardized B coefficient	Unstandardized B coefficient
GDF-15 (log)	-0.268	-0.264	-0.245
SMI	-0.037	-0.040	-0.002
Walking speed	0.146	0.140	0.123
Hand-grip strength	-0.010	-0.010	-0.012
Hb	-0.005	-0.004	0.006
Alb (log)	0.067	0.066	0.040

C: Multiple linear regression analysis of Hb and clinical data  
Dependent variable: Hb

	Model 1	Model 2	Model 3
Independent variable	Unstandardized B coefficient	Unstandardized B coefficient	Unstandardized B coefficient
GDF-15 (log)	-0.824	-1.085	-1.104
SMI	0.725	0.888	0.364
Walking speed	-0.127	0.374	0.496
Hand-grip strength	-0.002	0.005	0.023
eGFR (log)	-0.201	-0.136	0.169
Alb (log)	2.959	2.689	2.675

Model 1, unadjusted; Model 2, adjusted by age; Model 3, adjusted by age and BMI.