

Table S6 The relationship between 3 biomarkers and clinical variables at baseline and follow-up

Variables	Ln (FGF19)		Ln (FGF21)		Ln (lipocalin2)	
	r	P value	r	P value	r	P value
Baseline						
Age (years)	<b>-0.174</b>	<b>0.006</b>	-0.091	0.163	<b>0.307</b>	<b>0.000</b>
BMI (kg/m <sup>2</sup> )	-0.005	0.937	-0.044	0.503	0.010	0.869
waist (cm)	0.073	0.249	0.013	0.846	-0.032	0.614
Waist-to-hip ratio	0.055	0.384	0.065	0.320	-0.027	0.668
SBP (mmHg)	0.002	0.971	0.044	0.498	-0.014	0.827
DBP (mmHg)	-0.020	0.748	0.028	0.672	0.006	0.922
Glu-fast (mmol/L)	-0.048	0.452	0.047	0.478	-0.007	0.913
Glu-2h (mmol/L)	-0.021	0.756	0.030	0.679	0.016	0.811
Ln (Insulin)	-0.050	0.428	0.069	0.296	-0.026	0.678
Ln (HOMA-IR)	0.016	0.821	0.122	0.094	-0.052	0.458
Total Cholesterol (mmol/L)	<b>-0.124</b>	<b>0.049</b>	-0.078	0.235	0.112	0.073
ln (Triglyceride)	-0.003	0.964	0.086	0.188	0.023	0.720
HDL-C (mmol/L)	-0.019	0.764	-0.050	0.443	0.069	0.275
LDL-C (mmol/L)	-0.117	0.064	-0.029	0.659	0.105	0.094
eGFR (mL/min/1.73m <sup>2</sup> )	0.118	0.263	-0.003	0.981	<b>-0.233</b>	<b>0.024</b>
Ln (AMH)	<b>0.282</b>	<b>&lt;0.001</b>	<b>0.185</b>	<b>0.007</b>	<b>-0.361</b>	<b>&lt;0.001</b>
Follow-up						
Age (years)	<b>-0.202</b>	<b>0.002</b>	<b>-0.158</b>	<b>0.021</b>	<b>0.303</b>	<b>&lt;0.001</b>
BMI (kg/m <sup>2</sup> )	0.018	0.789	0.049	0.480	0.054	0.418
waist (cm)	-0.023	0.726	0.028	0.689	0.123	0.063
Waist-to-hip ratio	-0.073	0.274	0.030	0.666	<b>0.166</b>	<b>0.012</b>
SBP (mmHg)	-0.017	0.796	0.131	0.055	0.014	0.829
DBP (mmHg)	0.050	0.454	0.132	0.054	<b>-0.137</b>	<b>0.039</b>
Glu-fast (mmol/L)	-0.066	0.314	0.098	0.147	0.011	0.867
Glu-2h (mmol/L)	0.079	0.255	0.063	0.384	-0.013	0.847
ln (Insulin)	0.067	0.311	0.091	0.185	0.016	0.813
Ln (HOMA-IR)	-0.005	0.947	0.093	0.187	0.040	0.561
Total Cholesterol (mmol/L)	<b>-0.163</b>	<b>0.014</b>	-0.131	0.057	0.080	0.226
ln (Triglyceride)	-0.085	0.218	0.088	0.212	0.029	0.670
HDL-C (mmol/L)	0.009	0.897	<b>-0.234</b>	<b>0.001</b>	0.025	0.704
LDL-C (mmol/L)	<b>-0.150</b>	<b>0.023</b>	-0.032	0.642	0.081	0.220
eGFR (mL/min/1.73m <sup>2</sup> )	0.097	0.147	<b>0.184</b>	<b>0.007</b>	<b>-0.153</b>	<b>0.021</b>
HbA <sub>1C</sub> (%)	-0.087	0.342	<b>0.226</b>	<b>0.019</b>	<b>-0.278</b>	<b>0.002</b>

Ln transformation was used in triglyceride, insulin, HOMA-IR, AMH, FGF-19, FGF-21 and Lipocalin-2.

Abbreviation: BMI, body mass index; SBP, systolic blood pressure; DBP, diastolic blood pressure; HDL-C, high-density lipoprotein cholesterol; LDL-C, low-density lipoprotein

cholesterol; Glu-fast, fasting glucose; Glu-2h, two-hour glucose; HOMA-IR, homeostasis model assessment of insulin resistance; eGFR, estimated glomerular filtration rate; AMH, anti-Mullerian hormone.