

**Supplemental Table1** Clinical correlates of serum Gpnmb levels with clinical and biochemical variables before thionamide treatment.

Variables	<i>B</i>	<i>SE</i>	P-value	Multiple adjusted P-value §
BMI (kg/m <sup>2</sup> )	-0.546	0.191	<b>0.005</b>	<b>0.005</b>
Waist circumference (cm)	-0.685	0.558	0.221	0.692
BMR (%)	14.954	1.296	<b>&lt;0.001</b>	<b>&lt;0.001</b>
Systolic BP (mmHg)	1.956	0.921	<b>0.035</b>	<b>0.022</b>
Diastolic BP (mmHg)	-1.358	0.642	<b>0.035</b>	<b>0.041</b>
Total cholesterol (mmol/L)	-0.546	0.058	<b>&lt;0.001</b>	<b>&lt;0.001</b>
Total triglycerides(mmol/L) <sup>a</sup>	0.015	0.012	0.212	0.070
LDL-cholesterol(mmol/L)	-0.471	0.049	<b>&lt;0.001</b>	<b>&lt;0.001</b>
HDL-cholesterol(mmol/L)	-0.083	0.022	<b>&lt;0.001</b>	<b>&lt;0.001</b>
Fasting glucose (mmol/L)	0.076	0.044	0.087	0.381
HOMA-IR <sup>a</sup>	-0.042	0.021	<b>0.049</b>	0.164
ALT (U/L)	8.201	0.855	<b>&lt;0.001</b>	<b>&lt;0.001</b>
AST (U/L)	4.128	0.531	<b>&lt;0.001</b>	<b>&lt;0.001</b>
Free T3 (pmol/L) <sup>a</sup>	0.345	0.025	<b>&lt;0.001</b>	<b>&lt;0.001</b>
Free T4 (pmol/L) <sup>a</sup>	0.239	0.015	<b>&lt;0.001</b>	<b>&lt;0.001</b>
TSH (mIU/L) <sup>a</sup>	-0.859	0.058	<b>&lt;0.001</b>	<b>&lt;0.001</b>
TPOAb (IU/ml) <sup>a</sup>	0.147	0.049	<b>0.003</b>	<b>0.006</b>
TGAb (IU/ml) <sup>a</sup>	0.151	0.051	<b>0.004</b>	<b>0.024</b>
TRAb (IU/L) <sup>a</sup>	0.575	0.041	<b>&lt;0.001</b>	<b>&lt;0.001</b>

BMI=body mass index; BMR=basal metabolic rate; BP=blood pressure; LDL-c=low density lipoprotein cholesterol; HDL-c=high density lipoprotein cholesterol; HOMA-IR=homeostasis model assessment of insulin resistance; ALT=alanine aminotransferase; AST=aspartate aminotransferase; T3=triiodothyronine; T4=thyroxine; TSH= thyroid stimulating hormone; TPOAb=thyroid peroxide antibody; TGAb=thyroglobulin antibody; TRAb=thyrotropin receptor antibody;§: adjusted for age, gender, smoking, and BMI.

<sup>a</sup>: Analysis performed on log-transformed data.