

**Table S1.**

Multiple linear regression analysis with identified variables and medications used for determinants of SMI, HS and GS in individuals with T2D

Variables	SMI			HS			GS		
	t value	VIF	p value	t value	VIF	p value	t value	VIF	p value
Age	9.127	1.554	<0.001	-6.768	1.782	<0.001	-5.200	1.563	<0.001
Male	15.970	1.334	<0.001	13.310	1.562	<0.001	-1.088	1.117	0.277
BMI	20.900	1.500	<0.001	2.487	1.671	0.013	-1.632	1.482	0.104
Exercise ( $\geq 3$ Mets)	2.704	1.138	0.004	2.032	1.114	0.043	2.747	1.140	0.006
Duration of T2D	-	-	-	1.478	1.733	0.141	-0.484	1.238	0.628
LDL-C	-4.000	1.320	0.007	-	-	-	-	-	-
UA	-	-	-	-2.695	1.551	0.007	-	-	-
Cr	3.466	1.301	<0.001	2.786	1.440	0.006	-	-	-
ALB	-	-	-	3.661	1.246	<0.001	2.276	1.154	0.024
DHEAS	-	-	-	2.495	1.435	0.013	-	-	-
ARB or ACEi	0.799	1.355	0.425	-0.390	1.409	0.697	-0.587	1.371	0.588
CCB	0.723	1.444	0.470	0.487	1.402	0.627	-0.476	1.090	0.635
Statin	-3.841	1.274	<0.001	-0.044	1.197	0.965	-0.208	1.140	0.835
Antiplatelets	-1.467	1.435	0.143	-2.051	1.266	0.041	-4.002	1.208	<0.001
Su or Glinide	-1.218	1.263	0.224	-1.832	1.326	0.178	0.251	-1.266	0.802
DPP4i	-0.080	1.548	0.936	-0.850	1.578	0.396	1.479	-1.540	0.140
Metformin	0.543	1.326	0.587	0.637	1.346	0.524	0.255	1.316	0.799
$\alpha$ GI	0.362	1.221	0.718	-0.051	1.251	0.960	2.727	-1.205	<0.007
Pioglitazone	0.733	1.092	0.464	-0.036	1.103	0.972	1.102	1.096	0.271
SGLT2i	0.317	1.191	0.751	0.847	1.327	0.397	0.641	1.185	0.522
Insulin	-0.843	1.184	0.400	-0.495	1.330	0.621	0.873	-1.195	0.383
GLP-1RA	1.446	1.474	0.149	1.350	1.506	0.178	1.598	-1.473	0.111

**Table S2.**

Multiple logistic regression analysis including GNRI for determinants of dynapenia in male and female individuals with T2D

Variables	Dynapenia							
	Males				Females			
	OR	95% CI	VIF	p value	OR	95% CI	VIF	p value
Age (1year)	1.136	1.057 to 1.236	2.121	0.001	1.265	1.150 to 1.424	1.549	<0.001
BMI (1kg/m <sup>2</sup> )	1.144	0.947 to 1.398	3.776	0.169	0.928	0.730 to 1.130	3.076	0.481
Exercise (≥3Mets)	0.294	0.100 to 0.793	1.105	0.020	0.943	0.247 to 3.364	1.190	0.929
Current Smoking	1.306	0.318 to 5.230	1.296	0.705	4.362	0.152 to 57.30	1.096	0.296
Hypertension	1.421	0.464 to 4.399	1.560	0.537	0.987	0.251 to 3.886	1.480	0.985
Dyslipidemia	0.305	0.078 to 1.116	1.271	0.078	1.998	0.459 to 10.43	1.199	0.379
Duration of T2D (1year)	1.061	1.003 to 1.126	1.276	0.045	0.984	0.929 to 1.037	1.316	0.556
SBP (1mmHg)	0.975	0.940 to 1.008	1.469	0.141	1.015	0.983 to 1.040	1.337	0.275
LDL-C (1mg/dL)	0.997	0.979 to 1.016	1.348	0.763	0.992	0.970 to 1.013	1.272	0.441
HDL-C (1mg/dL)	1.007	0.962 to 1.051	1.380	0.807	0.994	0.948 to 1.041	1.545	0.810
TG (1mg/dL)	1.005	0.998 to 1.014	1.464	0.192	0.995	0.984 to 1.006	1.548	0.384
HbA1c (1%)	0.845	0.547 to 1.176	1.351	0.358	1.070	0.701 to 1.517	1.238	0.727
UA (1mg/dL)	1.505	0.939 to 2.522	1.319	0.102	0.789	0.439 to 1.373	1.690	0.410
Cr (1mg/dL)	0.727	0.078 to 2.431	1.228	0.715	0.078	0.002 to 1.968	1.543	0.138
GNRI (1 index)	0.936	0.852 to 1.116	3.985	0.133	1.035	0.967 to 1.144	3.122	0.379
DHEAS (1μg/dL)	0.985	0.975 to 0.993	1.372	0.001	1.007	0.999 to 1.015	1.293	0.076