

Supplementary Table 2. Changes in metabolic parameters

Variable	GLIM (n=35)	ALO (n=31)	ALO-PIO (n=33)	P value			
				Total	GLIM vs. ALO	GLIM vs. ALO-PIO	ALO vs. ALO-PIO
Weight, kg							
Baseline	71.70±13.20	69.58±12.06	69.94±13.10				
Adjusted mean change from baseline at week 24	0.87±0.50	-0.13±0.49	0.94±0.51	0.244	0.475	1.000	0.413
BMI, kg/m²							
Baseline	26.03±3.17	25.85±3.94	26.45±3.51				
Adjusted mean change from baseline at week 24	0.30±0.18	-0.02±0.18	0.32±0.19	0.333	0.632	1.000	0.576
Systolic blood pressure, mm Hg							
Baseline	126.43±16.62	128.97±14.03	126.82±14.63				
Adjusted mean change from baseline at week 24	1.71±1.93	-4.44±1.93	-1.28±2.00	0.086	0.081	0.857	0.779
Diastolic blood pressure, mm Hg							
Baseline	74.20±9.58	77.94±11.40	78.39±8.56				
Adjusted mean change from baseline at week 24	1.36±1.32	-1.81±1.31	-1.41±1.36	0.191	0.278	0.451	1.000
Fasting insulin, mIU/L							
Baseline	12.53±7.44	12.37±10.16	11.32±9.35				
Adjusted mean change from baseline at week 24	3.31±1.91	1.02±1.89	-2.56±1.98	0.109	1.000	0.111	0.589
HOMA-IR							
Baseline	5.44±4.13	5.11±3.73	4.46±3.38				
Adjusted mean change from baseline at week 24	1.31±0.92	0.19±0.91	-1.55±0.96	0.107	1.000	0.108	0.579
HOMA-β							
Baseline	45.78±31.64	47.16±48.87	45.19±44.95				
Adjusted mean change from baseline at week 24	14.42±6.75	7.23±6.73	-0.93±7.00	0.296	1.000	0.359	1.000
AST, U/L							
Baseline	25.89±10.56	25.74±8.77	25.91±12.31				
Adjusted mean change from baseline at week 24	0.11±1.18	-0.58±1.18	-2.97±1.22	0.174	1.000	0.221	0.496
ALT, U/L							
Baseline	32.17±18.92	28.29±12.78	31.70±18.28				
Adjusted mean change from baseline at week 24	2.52±2.73	-4.31±2.74	-8.70±2.84	0.019	0.244	0.017	0.813
Gamma-GT, U/L							
Baseline	28.56±15.34	44.93±68.35	32.22±18.92				
Adjusted mean change from baseline at week 24	0.74±2.78	-6.63±2.84	-8.02±2.82	0.065	0.208	0.089	1.000
Uric acid, mg/dL							
Baseline	4.59±0.98	4.51±0.99	4.73±1.00				
Adjusted mean change from baseline at week 24	0.32±0.15	0.37±0.15	0.00±0.16	0.196	1.000	0.450	0.283

Values are presented as mean ± standard deviation in baseline, and change at week 24 data are adjusted mean ± standard error. P values were applied by analysis of covariance (ANCOVA; adjusted variable: baseline value) with Bonferroni for adjusted mean change at week 24.

GLIM, glimepiride; ALO, alogliptin; ALO-PIO, alogliptin-pioglitazone; BMI, body mass index; HOMA-IR, homeostasis model assessment of insulin resistance; HOMA-β, homeostasis model assessment of β-cell function; AST, aspartate aminotransferase; ALT, alanine aminotransferase; GT, glutamyl transpeptidase.