

Supplementary Table 2. Changes in the clinical characteristics at weeks 16 and 24 in the intention-to-treat population

Characteristic	Met+Sita	Met+Sita+Acarb	Sita+Acarb	P value
At week 16 (change = week 16–baseline)				
Number	65	66	34	
Body weight, kg	-0.04±0.21	-2.02±0.85 ^a	-1.26±0.87 ^a	0.009
Waist circumference, cm	-0.37±0.43	-1.05±0.74	0.09±0.38	0.260
Systolic blood pressure, mm Hg	-0.80±1.29	0.11±1.38	2.03±1.82	0.465
Diastolic blood pressure, mm Hg	0.49±0.96	0.06±0.93	1.56±1.19	0.852
Fasting plasma glucose, mmol/L	-0.19±0.18	-0.57±0.15 ^a	1.80±0.38 ^a	<0.001
Postprandial 2-hour plasma glucose, mmol/L	-0.71±0.38	-1.50±0.42 ^a	2.18±0.72 ^a	<0.001
Blood urea nitrogen, mmol/L	-0.39±0.16 ^a	-0.37±0.18	-0.03±0.25	0.188
Creatinine, µmol/L	-1.98±0.87 ^a	-1.31±0.88	0.57±1.21	0.484
AST, U/L	3.59±1.82	-1.23±1.31	-1.47±1.49	0.298
ALT, U/L	4.03±1.99	-1.88±2.21	-1.26±2.93	0.110
Total cholesterol, mmol/L	0.07±0.07	-0.13±0.07 ^a	0.01±0.10	0.060
Triglyceride, mmol/L	0.002±0.08	-0.25±0.08 ^a	-0.21±0.09 ^a	0.041
HDL-C, mmol/L	0.03±0.02	-0.03±0.01 ^a	0.01±0.04	0.108
LDL-C, mmol/L	0.09±0.06	0.01±0.05	0.09±0.07	0.532
CRP, mg/dL	-0.07±0.11	-0.06±0.05 ^a	-0.18±0.14	0.138
At week 24 (change = week 24–baseline)				
Body weight, kg	-0.25±0.21	-2.13±0.87 ^a	-1.17±0.90	0.094
Waist circumference, cm	-0.18±0.39	-1.08±0.75	-0.03±0.43	0.523
Systolic blood pressure, mm Hg	-2.77±1.43	-0.67±1.68	1.18±2.13	0.315
Diastolic blood pressure, mm Hg	-0.68±0.99	-0.02±0.97	0.12±1.37	0.338
Fasting plasma glucose, mmol/L	-0.55±0.20 ^a	-0.55±0.21 ^a	0.11±0.33	0.186
Postprandial 2-hour plasma glucose, mmol/L	-1.73±0.42 ^a	-1.76±0.43 ^a	0.06±0.78	0.019
Blood urea nitrogen, mmol/L	-0.49±0.16 ^a	-0.16±0.17	-0.59±0.21 ^a	0.181
Creatinine, µmol/L	-0.01±0.82	0.55±0.75	-0.62±1.22	0.670
AST, U/L	3.05±1.40	-1.80±1.47	-2.65±1.42	0.249
ALT, U/L	5.94±2.50 ^a	-2.02±2.42	-4.97±2.83	0.055
Total cholesterol, mmol/L	-0.07±0.09	-0.12±0.07	-0.07±0.10	0.674
Triglyceride, mmol/L	-0.07±0.10	-0.25±0.08 ^a	-0.15±0.11	0.384
HDL-C, mmol/L	-0.02±0.02	-0.01±0.02	0.01±0.03	0.711
LDL-C, mmol/L	0.08±0.05	-0.03±0.06	0.01±0.07	0.580
CRP, mg/dL	-0.09±0.11	-0.07±0.05 ^a	-0.22±0.14	0.049

Values are presented as mean ± standard error.

Met+Sita, the group treated with metformin, sitagliptin, and acarbose placebo; Met+Sita+Acarb, the group treated with metformin, sitagliptin, and acarbose; Sita+Acarb, the group treated with metformin placebo, sitagliptin and acarbose; AST, aspartate aminotransferase; ALT, alanine aminotransferase; HDL-C, high density lipoprotein cholesterol; LDL-C, low density lipoprotein cholesterol; CRP, C-reactive protein.

^aChanges of $P < 0.05$ at weeks 16 or 24 compared to baseline.