

**Table 2.** Changes of clinical and biochemical variables in the Metformin group and Vildagliptin+Metformin group

Parameter	Vildagliptin+Metformin group			Metformin group			
	Baseline	Δ at 6 months	P1	Baseline	Δ at 6 months	P1	P2
BMI (kg/m <sup>2</sup> )	31.6±4.6	-0.4±0.9	0.011	32.4±5.8	-0.6±1.3	0.023	NS
Weight (kg)	90.1±14.3	-1.2±2.6	0.011	93.9±20.7	-1.6±3.8	0.021	NS
Waist (cm)	106.5±9.5	-0.3±1.5	0.030	112.4±13.9	-0.2±1.8	0.001	NS
cfPWV (m/sec)	8.6±2.1	-0.3±1.5	NS	8.9±2	0.2±1.8	NS	NS
hs-CRP (mg/L)	3.4±2.8	-0.4±2.8	0.040	2.5±2.3	1.1±1.6	NS	0.032
HbA1c (%)	8.1±0.8	-1.7±0.7	<0.001	8±0.8	-1.2±1.2	<0.001	0.048
FPG (mg/dl)	145.5±39.4	-33.2±34.3	<0.001	142.3±27.5	-17.5±35.3	0.010	0.050
Cholesterol (mg/dl)	187.3±35	-8.2±39.5	NS	195.7±51.1	-12.2±44	NS	NS
HDL (mg/dl)	47.1±10.2	1.3±8.1	NS	45.7±10	3.1±7.8	0.034	NS
LDL (mg/dl)	103.3±30.7	-3.2±31.6	NS	114.7±42.5	-11.6±34.7	NS	NS
Triglycerides (mg/dl)	178.5±81.9	-18.6±67.2	NS	176.8±64.9	-24.4±70	NS	NS
Creatinine (mg/dl)	0.93±0.17	0.01±0.13	NS	0.93±0.19	-0.01±0.10	NS	NS
eGFR (ml/min/1.73 m <sup>2</sup> )	122.0±30.2	0.4±22.6	NS	123.1±35.2	2.9±11.5	NS	NS
SGOT (U/L)	24.0±10.5	-2.0±9.8	NS	23.7±8.3	-3.5±4.9	0.001	NS
SGPT (U/L)	31.77±18.9	-4.5±17.2	NS	30.7±16.2	-5.2±8.5	0.002	NS
Systolic BP (mmHg)	134.5±16.1	-3.9±15.4	NS	131.1±2	-2.1±21	NS	NS
Diastolic BP (mmHg)	82.1±11.7	0.9±11.6	NS	79.2±10.8	2.2±13.2	NS	NS
Insulin (μIU/ml)	9.5±7.2	1.5±5.7	NS	8.7±4.4	0.7±3.7	NS	NS
C-peptide (ng/ml)	3.8±1.6	1.3±3.6	0.048	4.3±1.6	-0.3±1.5	NS	0.025
HOMA-β	46.4±28.8	22±33.8	0.001	49.7±50.1	8.1±55.8	NS	0.018
HOMA-IR	3.7±3.93	-1.5±3.42	0.025	3±1.7	-0.6±1.6	0.044	NS
Fat mass (%)	35.1±9.4	-1±2.2	<0.001	35.7±9.9	-1.6±3.6	0.017	NS
ACR (mg/g)	26.2±40.1	-5.6±31.6	0.002	18.4±19.3	3.4±25.8	NS	NS

Data are means ± SD. Δ: difference at 6 months; BMI: body mass index; BP: blood pressure; FPG: fasting plasma glucose; HbA1c: glycosylated hemoglobin; HDL: high-density lipoprotein; LDL: low-density lipoprotein; eGFR: estimated glomerular filtration rate; HOMA-β: homeostasis model assessment of β-cell function; HOMA-IR: reciprocal index of homeostasis model assessment; cfPWV: carotid femoral pulse wave velocity; ACR: Albumin/Creatinine ratio; NS: not significant; P: P1 value of difference within groups; P2 value of difference between the groups.