

TABLE 2. Baseline and 3-month posttreatment parameters by therapeutic group (evaluable patients)

Parameter	Liraglutide (n = 14)		Metformin (n = 14)		P values
	Baseline	After therapy	Baseline	After therapy	
Menstrual cycles (no./yr)	5.4 ± 4.8	5.4 ± 4	6.7 ± 4.8	8.9 ± 4.8	NS
FG score	14.9 ± 6.1	14.2 ± 5.8	14.1 ± 7.1	13.7 ± 7.3	NS
Weight (kg)	113.7 ± 18.7	110.7 ± 18.1	103.6 ± 19.7	101.3 ± 19.8	T <0.001
BMI (kg/m ²)	41.6 ± 5.3	40.5 ± 5.1	37.4 ± 6.4	36.5 ± 6.3	T <0.001
WC (cm)	128.5 ± 13.9	124.1 ± 11.7	121.6 ± 17.1	119 ± 18	T <0.001
SBP (mmHg)	123.6 ± 14.3	122.2 ± 11.6	131 ± 13	127.9 ± 13.9	NS
DBP (mmHg)	77.9 ± 7.9	73.9 ± 9.2	83.7 ± 11.8	80.7 ± 11.7	NS
AST (μkat/L)	0.5 ± 0.3	0.4 ± 0.1	0.7 ± 0.4	0.5 ± 0.2	NS
ALT (μkat/L)	0.5 ± 0.3	0.5 ± 0.2	0.6 ± 0.3	0.7 ± 0.4	NS
GGT (μkat/L)	0.5 ± 0.3	0.4 ± 0.2	0.4 ± 0.2	0.4 ± 0.3	NS
LH (IU/L)	5.1 ± 4.4	8.9 ± 5.8	7.5 ± 4.1 [1]	5.6 ± 2.9	T = 0.001; I <0.001
FSH (IU/L)	4.6 ± 1.6	5.2 ± 1.8	5.4 ± 2.2 [1]	4.1 ± 2	T = NS; I = 0.030
DHEA-S (μmol/L)	6.3 ± 3 [1]	7.1 ± 2.7	7.2 ± 2.8 [4]	8.5 ± 3.8 [1]	NS
AND (nmol/L)	9.7 ± 4.6	7.8 ± 3.9	11.5 ± 3.7 [3]	8.8 ± 3.3 [1]	T = 0.040
Total T (nmol/L)	2.1 ± 1	2 ± 1.1	3 ± 0.9 [3]	2.1 ± 0.9 [1]	T = NS; I <0,001
Free T (nmol/L)	5.7 ± 2.6	4.6 ± 1.7	7.4 ± 2.8 [3]	4.7 ± 1.9 [1]	NS
SHBG (nmol/L)	30.3 ± 14.5	31.6 ± 12.4	24 ± 12 [3]	26.2 ± 14.3 [1]	NS
FAI	10.1 ± 7.7	9 ± 6.4	16.6 ± 14.1	9.6 ± 6.4	NS
Cholesterol (mmol/L)	4.8 ± 1	4.7 ± 1	4.6 ± 0.9	4.3 ± 0.5	NS
HDL-C (mmol/L)	1.1 ± 0.3	1.2 ± 0.3	1.1 ± 0.2	1.2 ± 0.3	NS
LDL-C (mmol/L)	3.2 ± 0.8	2.9 ± 0.8	2.9 ± 0.8	2.6 ± 0.4	NS
TG (mmol/L)	1.6 ± 0.7	1.4 ± 0.6	1.4 ± 0.6	1.3 ± 0.6	NS
HOMA-IR score	4 ± 4	3.9 ± 2.1	2.7 ± 1.7 [1]	2.8 ± 1.4	NS
Matsuda index	3.7 ± 2.2	3.2 ± 2	3.6 ± 2.3	3.2 ± 2.2	NS
FM by DXA (%)	42.5 ± 2.8	40.8 ± 3.2 [1]	43.3 ± 6.4 [2]	41.1 ± 6.4 [2]	T < 0.001

For P values: T = overall effect with both therapies; I = interaction between therapy and time; NS = not significant.

No adjustments for multiple comparisons.

Means ± SD. Number of missing values in square brackets [].

FG: Ferriman-Gallwey; BMI: body mass index WC: waist circumference; SBP: systolic blood pressure; DBP: diastolic blood pressure; AST: aspartate aminotransferase; ALT: alanine aminotransferase; GGT: gamma glutamyl transferase; LH: luteinizing hormone; FSH: follicle-stimulating hormone; DHEA-S: dehydroepiandrosterone sulfate; AND: androstenedione; Total T: total testosterone; Free T: free testosterone; SHBG: sex hormone-binding globulin; FAI: Free androgen index; HDL-C: high-density lipoprotein; LDL-C: low-density lipoprotein; TG: triglyceride; Glu: glucose; OGTT: oral glucose tolerance test; HOMA-IR: homeostasis model assessment of insulin resistance; DXA: dual-energy X-ray absorptiometry; FM: fat mass.