

Table 1. Comparative data of study groups

	Control group (n=18)	NAFLD group (n=22)	<i>p</i> -value*	Reference values
Age (years)	56.5 (53.8-61.0)	55.0 (53.8-63.0)	0.978	-
Menopause (years)	49.5 (47.0-52.0)	50.0 (46.0-52.3)	0.870	-
Weight (kg)	75 (70.8-81.0)	78 (71.0-75.0)	0.391	
BMI (kg/m ²)	29.4 (28.7-31.4)	32.0 (29.7-37.8)	0.057	20-25
Waist circumference (cm)	99.0 (94.5-101.5)	105.0 (98.3-113.0)	0.017	≤80
AST (U/L)	19.0 (17.0-21.3)	31.0 (23.0-40.5)	<0.001	10-31
ALT (U/L)	16.5 (13.0-20.3)	38.5 (22.8-57.3)	<0.001	10-34
GGT (U/L)	13.0 (10.8-18.3)	34.5 (25.0-53.3)	<0.001	0-38
ALP (U/L)	63.0 (51.0-75.0)	80.5 (67.3-93.5)	0.004	30-120
Triglycerides (mg/dL)	96.5 (79-139.3)	165.5 (127.8-275.3)	0.002	<150
HDL-C (mg/dL)	56.0 (49.3-70.0)	49.5 (44.8-55.3)	0.029	>50
Albumin (g/dL)	4.4 (4.2-4.5)	4.4 (4.3-4.7)	0.061	3.5-5.2
Ferritin (ng/mL)	41.0 (19.0-73.8)	102.0 (47.3-144.0)	0.003	10-291
Glucose (mg/dL)	88.5 (80.8-94.0)	105.0 (90.0-121.3)	0.003	60-100
Insulin (μU/mL)	4.3 (2.0-6.2)	12.9 (6.5-23.2)	0.001	6-27
HOMA-IR	0.87 (0.53-1.51)	3.21 (2.04-6.63)	<0.001	na
Costisol (μg/dL)	13.3 (10.7-16.7)	12.4 (8.6-15.8)	0.550	5-20
DHEAS (μg/dL)	85.5 (45.3-117.0)	66.9 (31.1-98.0)	0.221	35-430
SHBG (nmol/L)	57.7 (44.1-71.1)	29.0 (21.9-43.2)	<0.001	na
Estradiol (pg/mL)	25.1 (21.5-33.8)	23.3 (20.0-29.4)	0.251	12-56
Total testosterone (ng/dL)	29.3 (20.0-38.5)	21.1 (20.0-35.5)	0.308	49-113
cFT (ng/dL)	0.36 (0.26-0.47)	0.48 (0.34-0.67)	0.027	na
Bioavailable testosterone (ng/dL)	8.4 (6.3-10.9)	11.8 (8.1-16.4)	0.010	na
FAI	1.7 (1.3-2.3)	3.4 (1.9-4.4)	0.001	na
Total adiponectin (μg/mL)	9.8 (4.7-11.8)	4.4 (3.5-7.1)	0.006	na
HMW adiponectin (μg/mL)	4.1 (2.8-5.2)	2.3 (1.7-3.6)	0.026	na
TNF-α (pg/mL)	9.4 (7.8-13.2)	14.7 (11.8-19.4)	0.007	na

Data are presented as median (25-75 percentile)

*: Between groups comparison (independent sample t-test or Mann-Whitney test).

ALT: alanine transaminase; ALP: alkaline phosphatase; AST: aspartate transaminase; BMI: body mass index; cFT: calculated free testosterone; GGT: gamma-glutamyl transferase; FAI: free androgen index; HDL-C: high density lipoprotein cholesterol; HMW: high molecular weight; HOMA-IR: homeostatic model of assessment insulin resistance; na: not available; NAFLD: nonalcoholic fatty liver disease; SHBG: sex hormone-binding globulin; TNF: tumor necrosis factor