Supplemental Table 1. Metabolic and Hormonal Characteristics by Age in Pre-Menopausal Women with NAFLD (n=207)

Characteristic	First Age Quartile (n=52)	Second Age Quartile (n=52)	Third Age Quartile (n=52)	Fourth Age Quartile (n=51)	p value
Age, median years (IQR)	25 (22-27)	33 (31-34)	39 (37-40)	47 (44-50)	<0.001
Body mass index, median kg/cm^2 (IQR)	34.9 (30.8-39.5)	36.6 (30.4-39.0)	37.2 (32.4-44.0)	36.4 (32.7-40.5)	0.273
Waist circumference, median cm (IQR)	113 (95-121)	110 (97-117)	113 (100-124)	109 (100-117)	0.289
Abdominal adiposity (waist > 88cm), n (%)	48 (92.3)	46 (88.5)	50 (96.2)	48 (94.1)	0.480
Hypertension, n (%)	7 (13.5)	15 (28.9)	18 (34.6)	25 (49.0)	0.001
HDL, median mg/dL (IQR)	41 (35-52)	43 (34-49)	42 (36-48)	44 (36-53)	0.668
LDL, median mg/dL (IQR)	107 (91-131)	110 (90-130)	120 (97-140)	125 (96-152)	0.065
Triglycerides, median mg/dL (IQR)	151 (112-197)	144 (118-200)	148 (121-185)	133 (110-199)	0.861
Dyslipidemia	50 (96.2)	51 (98.1)	50 (96.2)	47 (92.2)	0.513
Type 2 diabetes, n (%)	15 (28.9)	14 (26.9)	21 (40.4)	17 (33.3)	0.467
HOMA-IR, median mg/dL (IQR)	5.1 (2.5-10.2)	5.0 (3.1-8.6)	4.5 (3.2-9.2)	3.8 (2.4-6.1)	0.295
Polycystic ovary syndrome, n (%)	11 (21.2)	17 (32.7)	11 (21.2)	4 (7.8)	0.022
Total testosterone, median pg/mL (IQR)	239 (141-363)	223 (126-314)	212 (120-280)	170 (100-270)	0.054
Free testosterone (Free T), median pg/mL (IQR)	3.5 (1.9-5.2)	2.7 (1.2-5.6)	2.9 (1.7-4.8)	2.4 (1.6-3.9)	0.197
Sex hormone binding globulin, median nmol/L (IQR)	35.1 (22.9-95.5)	37.6 (24.6-63.4)	36.9 (29.4-55.4)	41.2 (27.1-61.0)	0.981
NASH (borderline or definite), n (%)	34 (65.4)	37 (71.2)	39 (75.0)	34 (66.7)	0.701
NAFLD Activity Score, median (IQR)	4 (3-5)	5 (3-6)	4 (3-6)	5 (3-6)	0.332
Any fibrosis, n (%)	32 (61.5)	34 (65.4)	37 (71.2)	37 (72.6)	0.602
Advanced fibrosis, n (%)	4 (7.7)	7 (13.5)	9 (17.3)	11 (21.6)	0.238

Characteristics compared by chi-square and Kruskal-Wallis tests, as appropriate

Supplemental Table 2. Association of Free Testosterone with NASH and NASH Fibrosis Adjusted for HOMA-IR, Waist circumference, and Dyslipidemia in Youngest Age Quartile (n=52)

NAFLD Comparisons	Adjusted OR (95% CI), p value
NASH (vs NAFL)	2.09 (1.04-4.21), p=0.038
Any fibrosis	2.01 (0.95-4.27), p=0.069
Higher fibrosis stage	2.15 (1.19-3.88), p=0.011