

Table 5. Correlations between non-invasive indices and variables related to sex hormones or insulin resistance

	NAFLD liver fat score	LAP	HIS	FIB-4	APRI
NAFLD liver fat score	-	-	-	-	-
LAP	0.584 (<0.001)	-	-	-	-
HIS	0.594 (<0.001)	0.618 (<0.001)	-	-	-
FIB-4	0.252 (<0.001)	-0.011 (0.825)	0.368 (<0.001)	-	-
APRI	0.060 (0.236)	-0.022 (0.665)	0.092 (0.067)	0.628 (<0.001)	-
Testosterone (nmol/L)	0.217 (<0.001)	0.172 (0.001)	0.151 (0.003)	-0.156 (0.002)	-0.019 (0.701)
DHEAS (μmol/L)	0.048 (0.340)	0.045 (0.372)	0.069 (0.175)	-0.222 (<0.001)	-0.105 (0.037)
Δ4-androstenedione (nmol/L)	0.085 (0.094)	0.041 (0.413)	-0.026 (0.609)	-0.129 (0.010)	0.009 (0.854)
SHBG (nmol/L)	-0.481 (<0.001)	-0.518 (<0.001)	-0.431 (<0.001)	0.273 (<0.001)	0.054 (0.282)
FAI	0.416 (0.001)	0.410 (<0.001)	0.350 (<0.001)	-0.268 (<0.001)	-0.053 (0.298)
LH (U/L)	0.039 (0.441)	-0.071 (0.161)	-0.075 (0.139)	-0.094 (0.063)	0.006 (0.904)
FSH (U/L)	-0.048 (0.347)	-0.092 (0.069)	-0.027 (0.596)	0.040 (0.432)	0.122 (0.016)
LH to FSH ratio	0.074 (0.146)	-0.014 (0.782)	-0.026 (0.602)	-0.140 (0.006)	-0.070 (0.165)
Prolactin (pmol/L)	-0.095 (0.059)	-0.065 (0.211)	-0.104 (0.039)	-0.071 (0.090)	-0.084 (0.096)
Glucose (mmol/L)	0.372 (<0.001)	0.342 (<0.001)	0.283 (<0.001)	0.079 (0.120)	0.122 (0.016)
Insulin (pmol/L)	0.917 (<0.001)	0.557 (<0.001)	0.517 (<0.001)	0.275 (<0.001)	-0.067 (0.186)
HOMA-IR	0.917 (<0.001)	0.571 (<0.001)	0.521 (<0.001)	0.268 (<0.001)	-0.079 (0.118)
HOMA-β	0.747 (<0.001)	0.407 (<0.001)	0.394 (<0.001)	0.243 (<0.001)	-0.010 (0.845)
QUICKI	-0.917 (<0.001)	-0.571 (<0.001)	-0.521 (<0.001)	-0.268 (<0.001)	0.079 (0.117)

Data are presented as Spearman's coefficient of correlation; r_s (p-value).

APRI: AST to Platelet Ratio Index; AST: aspartate transaminase; DHEAS: dehydroepiandrosterone sulfate; FAI: free androgen index; FSH: follicle-stimulating hormone; HIS: hepatic steatosis index; HOMA-IR: homeostatic model of assessment insulin resistance; LAP: lipid accumulation product; LH: luteinizing hormone; QUICKI: quantitative insulin sensitivity check index; NAFLD: non-alcoholic fatty liver disease; SHBG: sex hormone-binding protein.