

Biochemical parameters of ND, ND+Ole, HFD and HFD+Ole Male mice

Parameters	ND	ND+Ole	HFD	HFD+Ole	<i>P</i>
Body Weight (gr)	39.91 ±0.94	37.05 ±0.71	55.12 ±3.71	50.05 ±1.63	0,0006
Liver Weight (gr)	2.02 ±0.06	1.37 ±0.09	3.47 ±0.39	2.24 ±0.117	0,001
Heart Weight (gr)	0.19 ±0.01	0.16 ±0.01	0.286 ±0.015	0.19 ±0.014	0,05
ALT (U/L)	56.29 ±3.84	52.32 ±3.48	115.7 ±29.34	78.78 ±8.64	0,0004
AST (U/L)	226.89 ±58.90	264.16 ±52.01	268.84 ±30.86	263.77 ±40.95	0,005
CHOL (mg/dL)	155.13 ±10.95	148.91 ±9.75	192.79 ±23.74	160.16 ±12.93	0,001
HDL (mg/dL)	92.30 ±4.75	89.7 ±4.46	130.13 ±8.372	104 ±3.11	0,001
LDL (mg/dL)	9.36 ±0.84	9.07 ±0.88	14.43 ±2.18	12.48 ±1.3	0,014
TRIG (mg/dL)	113.36 ±8.77	108.42 ±8.28	130.91 ±9.68	115.96 ±7.95	0,001

Biochemical parameters of ND, ND+Ole, HFD and HFD+Ole Female mice

Parameters	ND	ND+Ole	HFD	HFD+Ole	<i>P</i>
Body Weight (gr)	36.53 ±1.352	30.16 ±1.31	47.45±2.04	44.2 ±2.28	<0.0001
Liver Weight (gr)	1.96 ±0.13	1.72 ±0.17	2.96 ±0.23	1.92 ±0.14	0,0071
Heart Weight (gr)	0.16 ±0.003	0.15±0.0078	0.24 ±0.0026	0.15 ±0.0065	0,0066
ALT (U/L)	52.26 ±24.15	50.05 ±16.64	76.05 ±27.92	56.16 ±4.53	0,0004
AST (U/L)	261.01 ±62.55	198.83 ±58.52	265.62 ±25.25	261.04 ±75.62	0,005
CHOL (mg/dL)	149.5 ±10.14	145.99 ±9.36	238.91 ±12.96	174.33 ±13.55	0,0001
HDL (mg/dL)	82.16 ±4.86	90.40 ±4.34	126.52 ±4.14	94.38 ±5.13	0,0001
LDL (mg/dL)	10.4 ±1.41	10.01 ±1.35	13.39 ±2.054	11.83 ±1.10	0,001
TRIG (mg/dL)	72.40 ±6.70	84.6 ±6.78	117.78 ±11.20	102.18 ±13.36	0,0001

Table S1. Biochemical parameters of ND, ND+Ole, HFD and HFD+Ole Male (Top) and Female (Bottom) mice. Abbreviations: ALT, alanine aminotransferase; AST, aspartate aminotransferase; CHOL, Total cholesterol; HDL, High-Density Lipoprotein; LDL, Low-density lipoprotein; TRIG, triglycerides. Values are expressed as fold mean ±SD (*P< 0.05; **P< 0.01; ***P< 0.001).