

Supplementary data:

Effects of Fish Oil and Grape Seed Extract Combination on Hepatic Endogenous Antioxidants and Bioactive Lipids in Diet-Induced Early Stages of Insulin Resistance in Rats

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Table S1. Biometric and biochemical data in rats after 24 weeks of dietary intervention*

	STD n = 7	HFHS n = 7	FO n = 7	GSE n = 7	FO + GSE n = 7	<i>p</i> -value [†]
Body weight (g)	256.0 ± 13.9	291.6 ± 23.9 ^a	318.3 ± 41.8 ^a	289.8 ± 19.6 ^a	291.2 ± 25.7 ^a	0.005
Perigonadal WAT (g)	4.9 ± 1.1	19.6 ± 12.2 ^a	19.7 ± 9.5 ^a	15.5 ± 6.3 ^a	12.7 ± 5.0	0.002
Liver (g)	6.7 ± 1.2	7.2 ± 0.5	6.8 ± 0.3	7.4 ± 0.7	7.7 ± 0.7	NS
Blood glucose (mmol/L)	3.58 ± 0.15	3.65 ± 0.20	3.56 ± 0.38	3.63 ± 0.26	3.72 ± 0.22	NS
Plasma insulin (mU/L)	27.27 ± 9.55	58.38 ± 15.95 ^a	57.66 ± 34.23 ^a	74.20 ± 33.87 ^a	43.34 ± 30.10	0.008
HOMA-IR	4.38 ± 1.63	9.50 ± 2.64 ^a	9.32 ± 6.08 ^a	12.11 ± 6.05 ^a	7.30 ± 5.20	0.012
Plasma TAG (mmol/L)	1.53 ± 0.43	1.25 ± 0.20	1.57 ± 0.35	2.19 ± 0.20 ^{a,b,c}	1.46 ± 0.27 ^d	<0.001

Results were expressed as mean \pm standard deviation. Abbreviations: STD, Standard; HFHS, High-Fat High-Sucrose; FO, Fish Oil; GSE, Grape Seed Extract; WAT, White Adipose Tissue; HOMA- IR, Homeostatic Assessment Model of Insulin Resistance; TAG, Triacylglycerol. *These data have already been described in previous reports [1-4]. [†]p-value (<0.05) was calculated by the non-parametric Kruskal-Wallis test followed by Mann-Whitney U test. a; vs. STD group, b; vs. HFHS group, c; vs. FO group, d; vs GSE group.

References

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