Fig.S1. Forest plots of HDL-C (a) and LDL-C (b) levels after sensitivity analysis among PCOS patients

a

Study or Subgroup	n-3 PUFA Mean	SD	Total	Control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
Amini 2018	49.9	9.3	27	52.1	10.6	27	14.3%	-2.20 [-7.52, 3.12]
Cussons 2009	53.46	12.69	12	51.54	11.54	13	6.8%	1.92 [-7.61, 11.45]
Khani 2017	47.2	1.37	43	41.56	1.33	44	0.0%	5.64 [5.07, 6.21]
Mejia-Montilla 2018	52.7	6.7	97	47.8	5.6	98	25.7%	4.90 [3.17, 6.63]
Mirmasoumi 2017	53.8	8.3	30	53.8	12.5	30	14.2%	0.00 [-5.37, 5.37]
Mohammadi 2012	45.86	6.53	30	45.33	4.49	31	22.2%	0.53 [-2.29, 3.35]
Rahmani 2016	47	9.5	34	48.1	9.3	34	16.7%	-1.10 [-5.57, 3.37]
Total (95% CI)			230			233	100.0%	1.01 [-1.84, 3.86]

Heterogeneity: Tau² = 7.46; Chi² = 15.49, df = 5 (P = 0.008); I² = 68%
Test for overall effect: Z = 0.69 (P = 0.49)

Favours [control]　Favours [n-3 PUFA]

b

Study or Subgroup	n-3 PUFA Mean	SD	Total	Control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
Amini 2018	93.3	23	27	94.2	25.3	27	0.3%	-0.90 [-13.80, 12.00]
Cussons 2009	108.96	32.08	12	106.67	34.78	13	0.1%	2.29 [-23.92, 28.50]
Khani 2017	107.79	1.68	43	117.4	1.57	44	99.0%	-9.61 [-10.29, -8.93]
Mejia-Montilla 2018	84.7	11.2	97	110.4	15.4	98	0.0%	-25.70 [-29.48, -21.92]
Mirmasoumi 2017	92.5	43.5	30	92.9	27.8	30	0.1%	-0.40 [-18.87, 18.07]
Mohammadi 2012	102.25	29.59	30	117.25	27.44	31	0.2%	-15.00 [-29.33, -0.67]
Rahmani 2016	94.4	29.8	34	104.8	26.3	34	0.3%	-10.40 [-23.76, 2.96]
Total (95% CI)			176			179	100.0%	-9.58 [-10.26, -8.90]

Heterogeneity: Tau² = 0.00; Chi² = 4.05, df = 5 (P = 0.54); I² = 0%
Test for overall effect: Z = 27.60 (P < 0.00001)

Favours [n-3 PUFA]　Favours [control]