

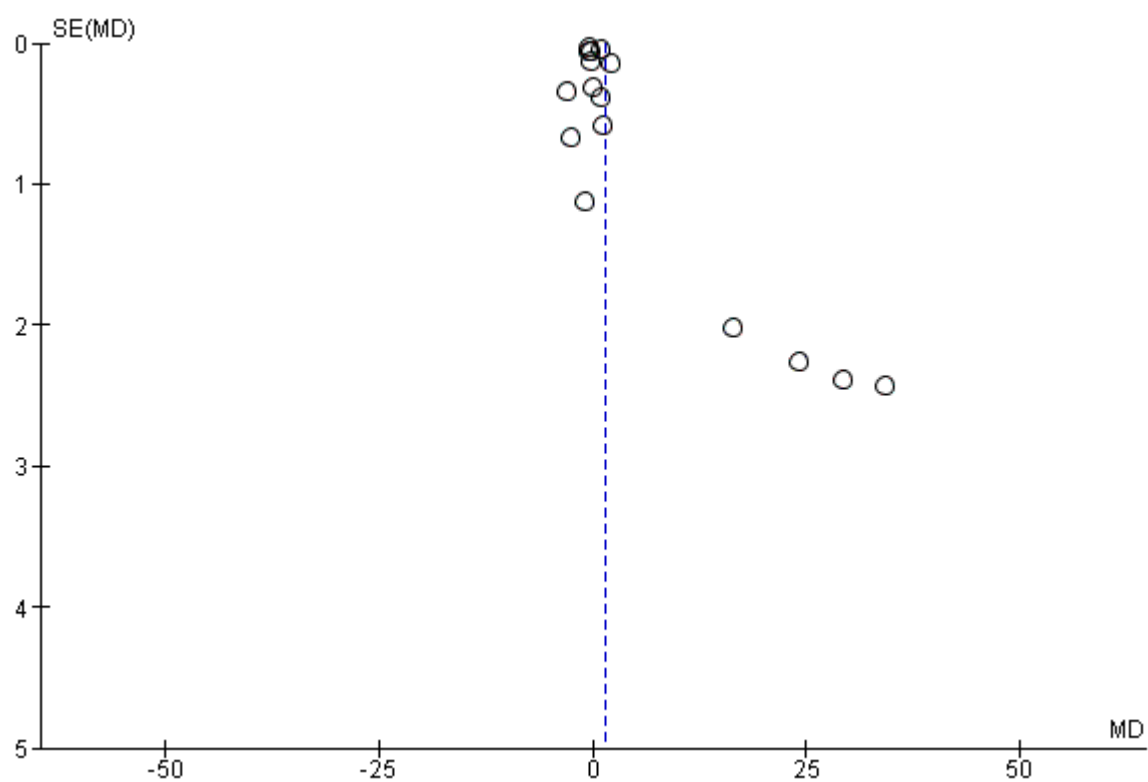


Fig. 14. Funnel plot for qualitative analysis of publication bias (MDA- nmol per ml)

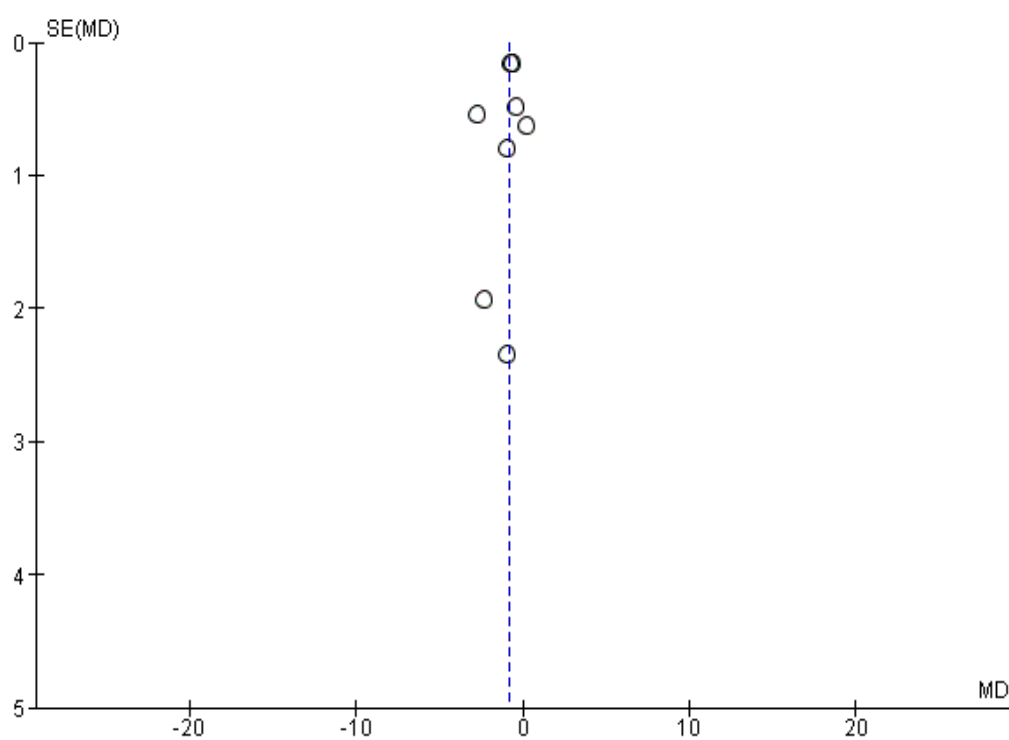


Fig. 15. Funnel plot for qualitative analysis of publication bias (MDA : nmol per liter)

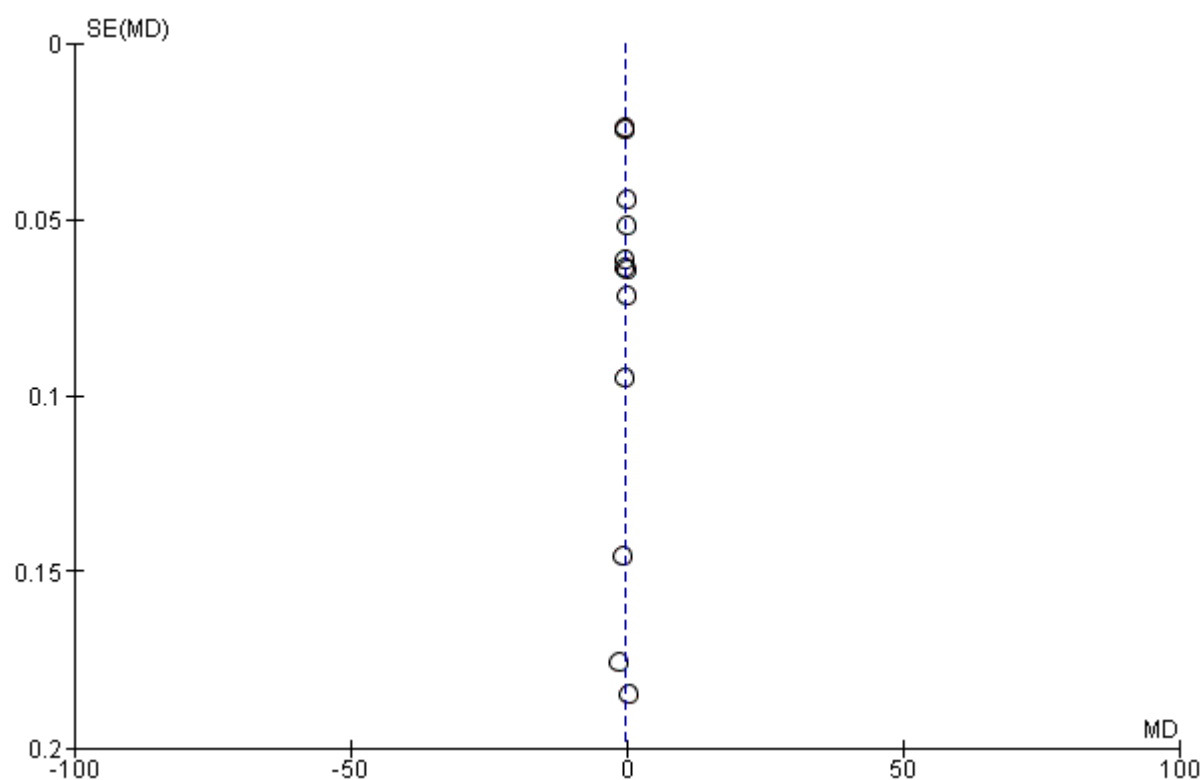


Fig. 16. Funnel plot for qualitative analysis of publication bias: (Total Antioxidant Capacity)

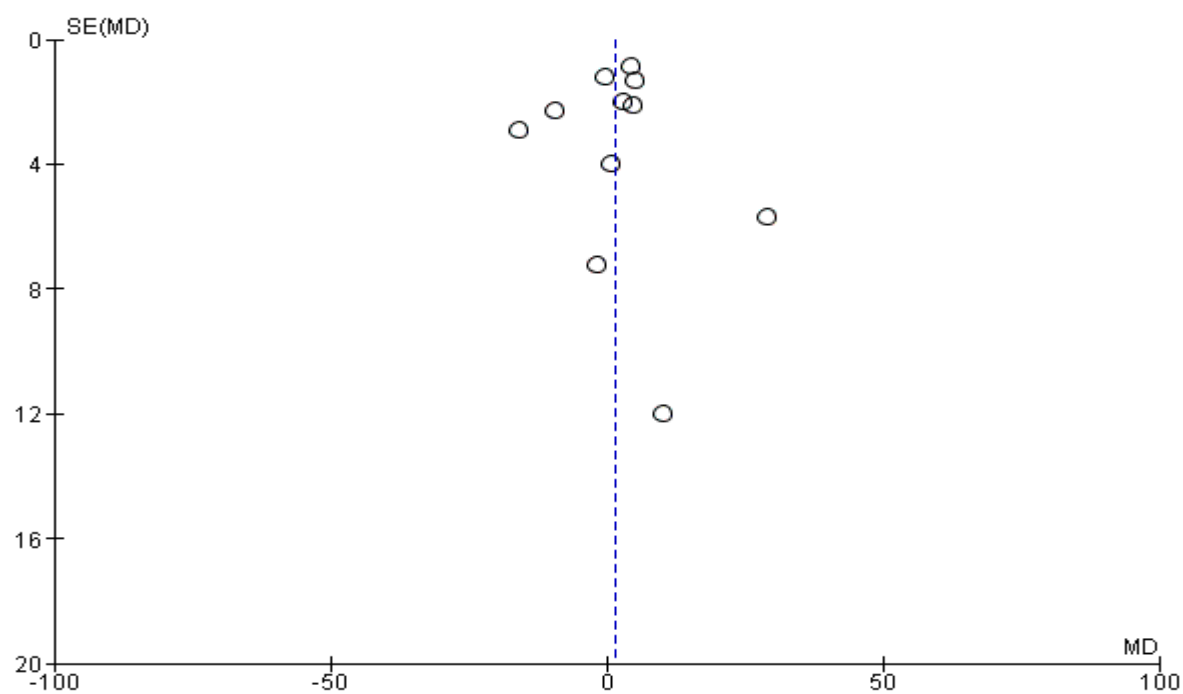


Fig. 17. Funnel plot for qualitative analysis of publication bias (Total Oxidative Stress)

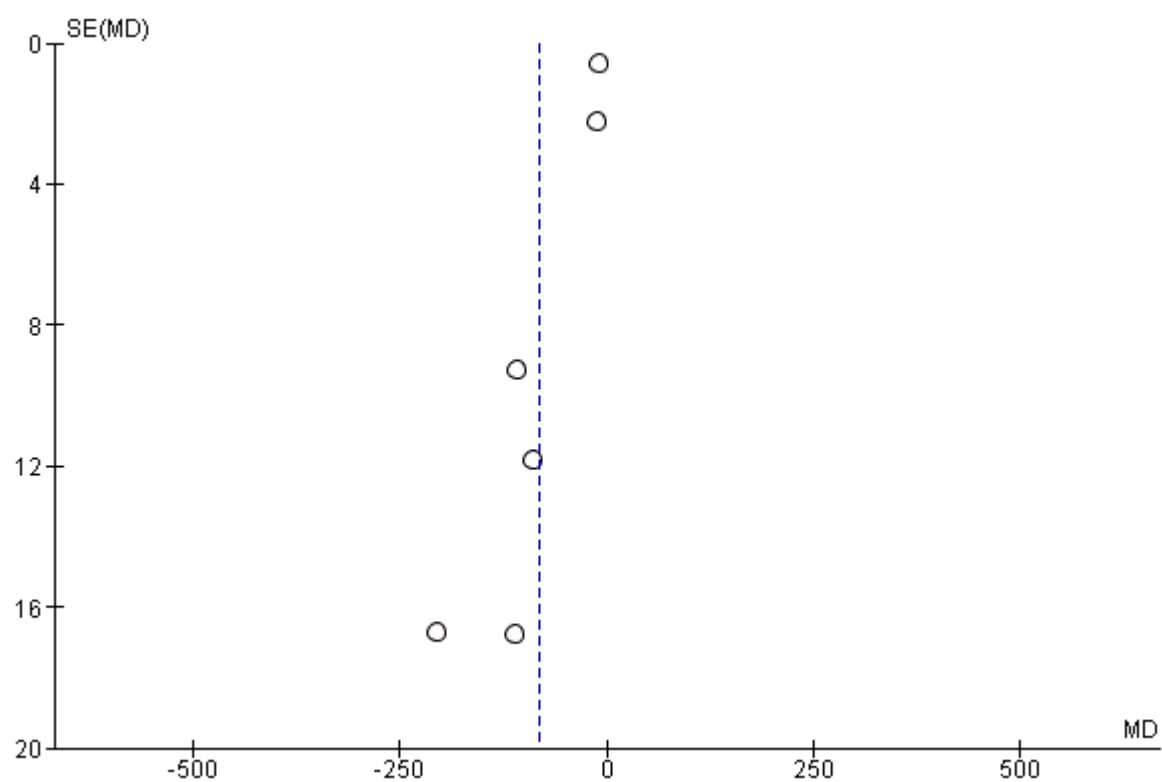


Fig. 18. Funnel plot for qualitative analysis of publication bias (TNF alpha)

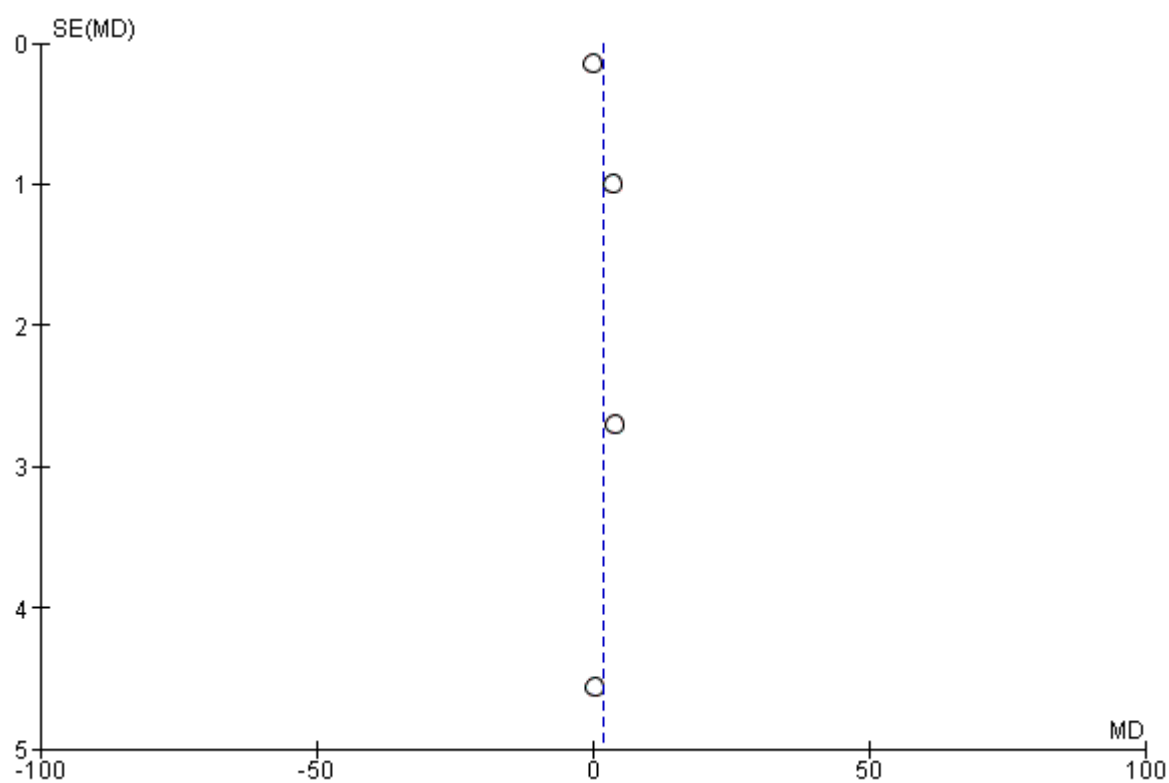


Fig. 19. Funnel plot for qualitative analysis of publication bias with (IL-6 alpha)

Pooled Estimate for all Oxidant/ Antioxidant Parameters

Sr. No.	Parameter	Unit	Meta-analysis	Pooled Analysis Result
1	MDA	Nmol per ml	All Observational studies with RCTs	[1.39 (0.79 1.99)]
2	MDA	Nmol per ml	All Observational with RCT's Excluding low and high levels of MDA in nmol per ml	[-1.21 (-0.84 0.42)]
3	MDA	Nmol per ml	Only Observational studies	[0.20 (-0.33 0.73)]
4	MDA	Nmol per litre	All Observational studies	[-0.87 (-1.35 -0.39)]
5	MDA	Nmol per litre	All Observational studies Excluding High levels of MDA nmol per litre	[0.85 (-1.36 0.34)]
6	TAC	mmol Trolox/L	All Observational studies with RCT	[-0.25 (-0.34 -0.15)]
7	TAC	mmol Trolox/	All Observational only	[-0.27 (-0.38 - 0.15)]
8	TOS	Micromol/H2o2/L	All observational and RCT	[1.36(-2.67 5.39)]
9	TOS	Micromol/H2o2/L	All Observational with RCT Excluding low and high	[1.42 (-1.95 4.80)]
10	TOS	Micromol/H2o2/L	All Observational only	[1.45 (-1.76 4.66)]
11	TNF alpha	Pg/ml	All Observational only	[-81.68 (-105.50 -57.85)]
12	IL-6	Pg.ml	All Observational only	[1.96 (-0.89 4.81)]