


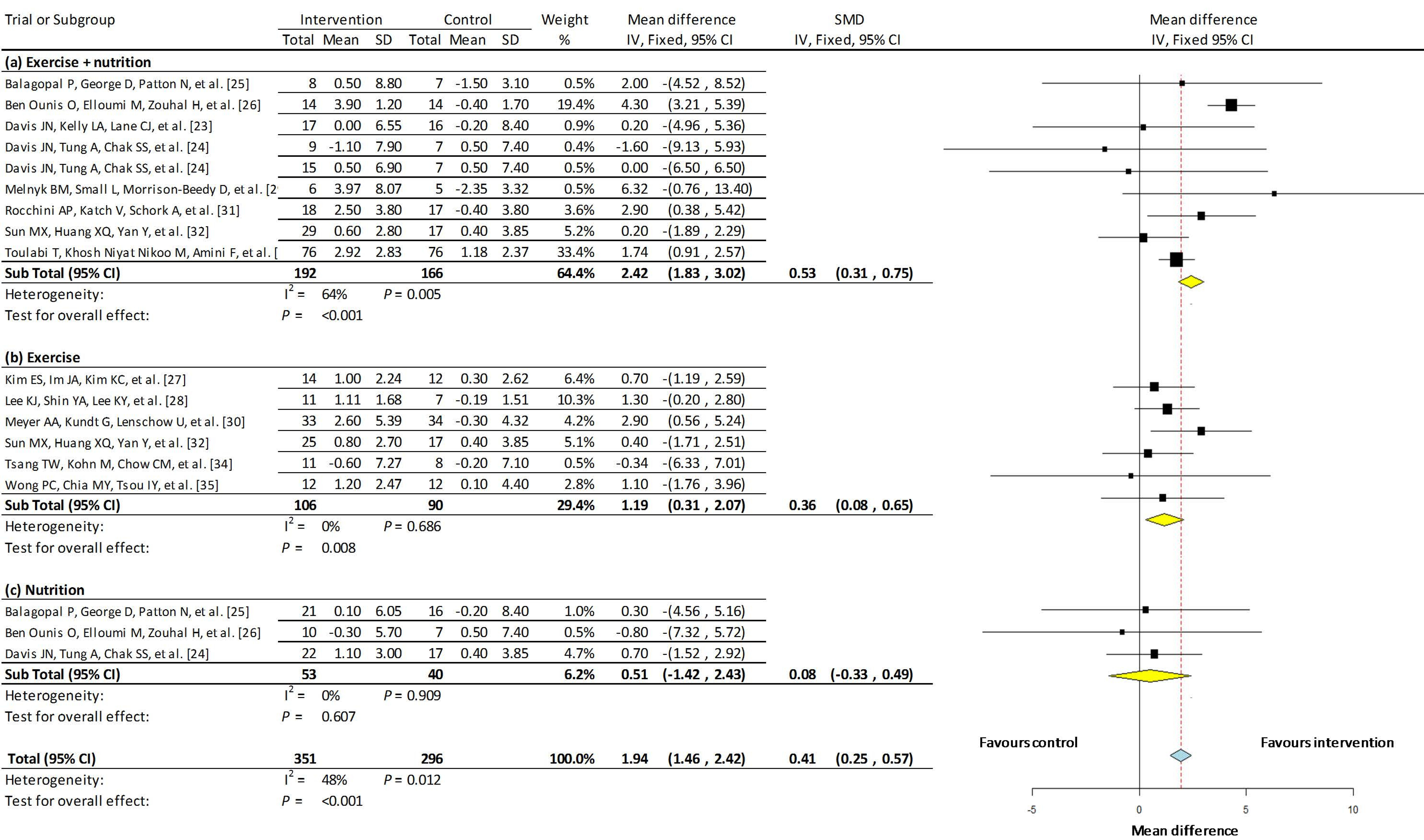
Identification

Screening

Eligibility

Included

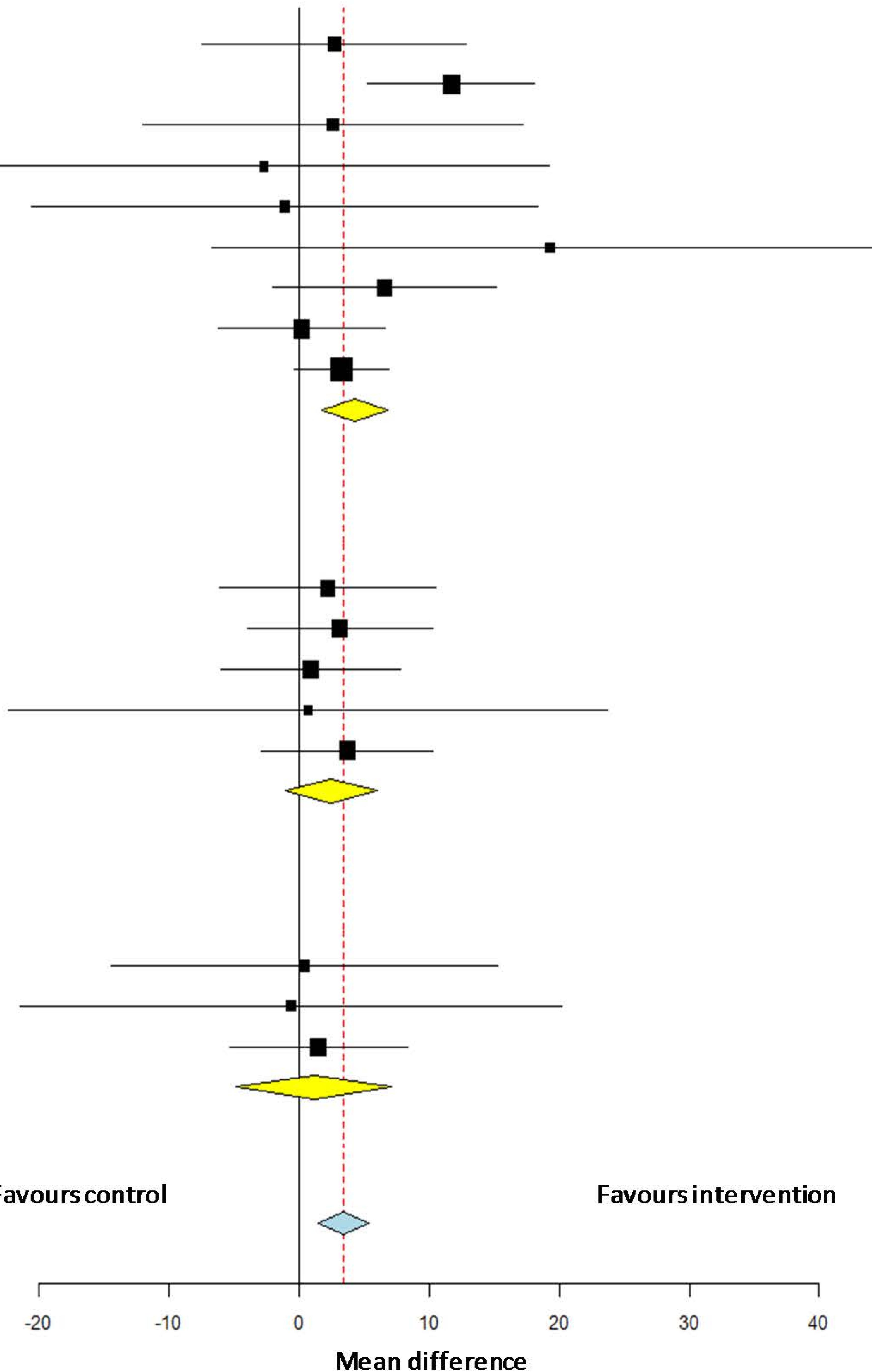




Trial or Subgroup	Intervention			Control			Weight %	Mean difference IV, Fixed, 95% CI	SMD IV, Fixed, 95% CI	Mean difference IV, Fixed 95% CI
	Total	Mean	SD	Total	Mean	SD				
(a) Exercise + nutrition										
Balagopal P, George D, Patton N, et al. [25]	8	1.30	5.25	7	-1.40	12.85	3.63%	2.70 -(20.63 , 0.00)		
Ben Ounis O, Elloumi M, Zouhal H, et al. [26]	14	10.50	7.01	14	-1.20	10.06	9.14%	11.70 -(6.10 , 4.60)		
Davis JN, Kelly LA, Lane CJ, et al. [23]	17	2.00	15.30	16	-0.60	25.90	1.76%	2.60 -(4.01 , 0.00)		
Davis JN, Tung A, Chak SS, et al. [24]	9	-2.40	21.40	7	0.30	22.90	0.78%	-2.70 -(6.69 , 0.00)		
Davis JN, Tung A, Chak SS, et al. [24]	15	-0.80	19.10	7	0.30	22.90	0.99%	-1.10 (0.00 , 0.00)		
Melnyk BM, Small L, Morrison-Beedy D, et al. [2]	6	14.40	30.23	5	-4.90	10.82	0.56%	19.30 -(1.98 , UCI)		
Rocchini AP, Katch V, Schork A, et al. [31]	18	2.80	11.05	17	-3.80	14.51	5.12%	6.60 -(5.99 , 8.47)		
Sun MX, Huang XQ, Yan Y, et al. [32]	29	0.60	9.45	17	0.40	11.40	9.15%	0.20 -(6.22 , 8.09)		
Toulabi T, Khosh Niyat Nikoo M, Amini F, et al. [76	4.17	11.72	76	0.92	11.30	28.13%	3.25 -(0.41 , 3.95)		
Sub Total (95% CI)	192			166			59.3%	4.32 (1.80 , 6.48)	0.30 (0.09 , 0.51)	

Heterogeneity: $I^2 = 15\% \quad P = 0.312$

Test for overall effect: $P = <0.001$

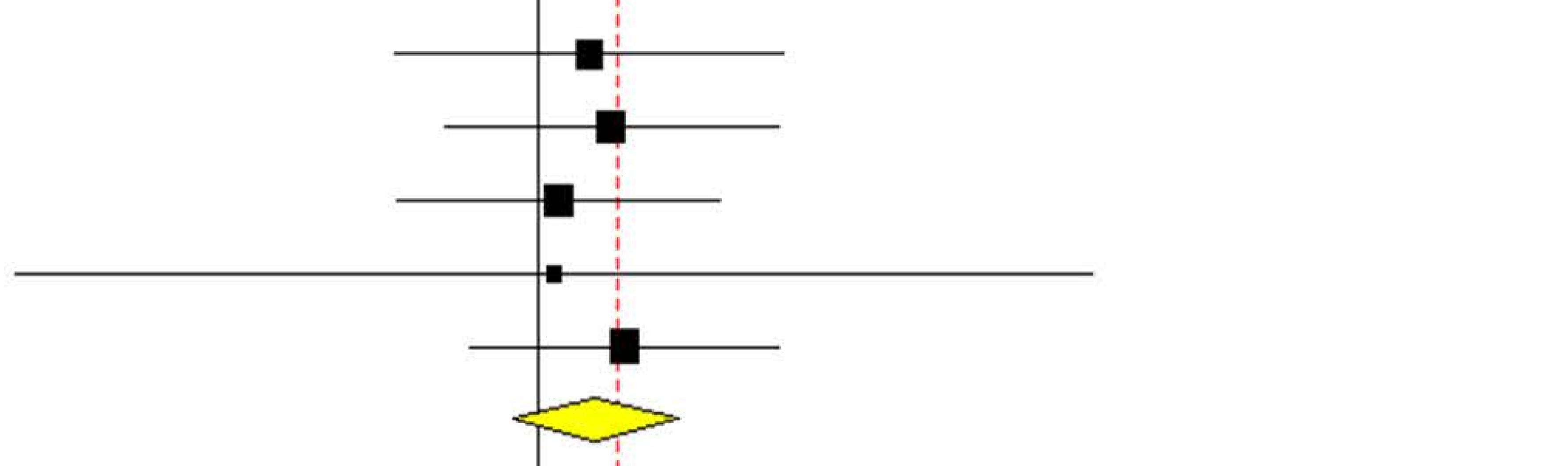


(b) Exercise

Kim ES, Im JA, Kim KC, et al. [27]	14	2.20	9.17	12	0.00	11.96	5.47%	2.20 -(6.10 , 4.60)		
Lee KJ, Shin YA, Lee KY, et al. [28]	11	2.56	7.08	7	-0.58	7.83	7.37%	3.14 -(4.01 , 0.00)		
Sun MX, Huang XQ, Yan Y, et al. [32]	25	1.30	10.85	17	0.40	11.40	7.94%	0.90 -(5.99 , 8.47)		
Tsang TW, Kohn M, Chow CM, et al. [34]	11	-2.30	24.81	8	-3.00	25.60	0.71%	-0.82 -(25.10 , 4.10)		
Wong PC, Chia MY, Tsou IY, et al. [35]	12	2.40	8.10	12	-1.30	8.35	8.70%	3.70 -(2.88 , 3.84)		
Sub Total (95% CI)	73			56			30.2%	2.48 (-1.05 , 6.02)	0.21 (-0.14 , 0.56)	

Heterogeneity: $I^2 = 0\% \quad P = 0.983$

Test for overall effect: $P = 0.168$

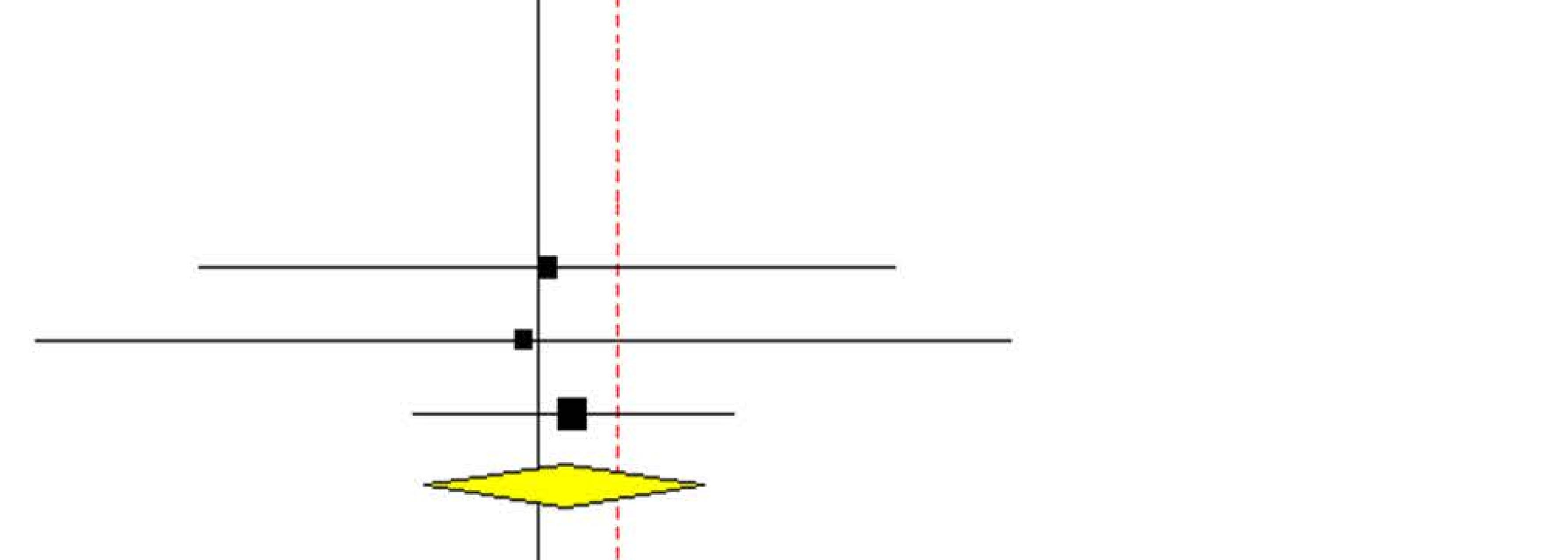


(c) Nutrition

Balagopal P, George D, Patton N, et al. [25]	21	-0.20	18.20	16	-0.60	25.90	1.70%	0.40 -(14.49 , 15.29)		
Ben Ounis O, Elloumi M, Zouhal H, et al. [26]	10	-0.30	19.60	7	0.30	22.90	0.87%	-0.60 -(21.47 , 20.27)		
Davis JN, Tung A, Chak SS, et al. [24]	22	1.90	10.10	17	0.40	11.40	7.99%	1.50 -(5.37 , 8.37)		
Sub Total (95% CI)	53			40			10.6%	1.15 (-4.83 , 7.13)	0.06 (-0.35 , 0.47)	

Heterogeneity: $I^2 = 0\% \quad P = 0.997$

Test for overall effect: $P = 0.706$



Total (95% CI)	318			262			100.0%	3.43 (-1.49 , 5.37)	0.24 (0.08 , 0.41)	
Heterogeneity:	$I^2 = 0\%$			$P = 0.802$						
Test for overall effect:	$P = <0.001$									

