Figure 3: TNF- α levels before and after CPAP treatment

	TNF-Alpha Before CPAP			TNF-Alpha after CPAP				Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	IV, Random, 95% CI
Arais et al 2008	18.2	12.6	25	15.7	10.9	25	2.2%	2.50 [-4.03, 9.03]	
Carneiro et al 2009	9.9	1.8	7	6.9	1.6	7	12.5%	3.00 [1.22, 4.78]	- -
Guasti et al 2009	50.24	120.29	16	28.63	48.24	16	0.0%	21.61 [-41.89, 85.11]	←
Minoguchi et al 2004	2.34	0.54	12	1.85	0.72	12	19.3%	0.49 [-0.02, 1.00]	†
Ryan et al 2005	1.402	1.16	19	2.63	1.04	19	18.5%	-1.23 [-1.93, -0.53]	•
Ryan et al 2006	5.56	2.1	49	4.13	2.99	49	16.8%	1.43 [0.41, 2.45]	-
Steiropoulos et al 2009	8.41	5.7	32	5.72	4.91	32	8.7%	2.69 [0.08, 5.30]	
Tamaki et al 2009	37.8	15.9	33	18.4	12.4	33	2.0%	19.40 [12.52, 26.28]	
Vgontzas et al 2008	1.7	0.3	16	1.8	0.3	16	20.1%	-0.10 [-0.31, 0.11]	•
Total (95% CI)			209			209	100.0%	1.14 [0.12, 2.15]	•
Heterogeneity: Tau² = 1.32; Chi² = 70.26, df = 8 (P < 0.00001); I² = 89%									-20 -10 0 10 20
Test for overall effect: Z = 2.19 (P = 0.03)									Lower level without CPAP Lower level with CPAP