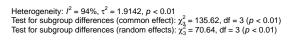
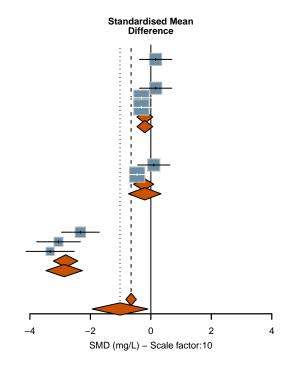
Study	Total	/ Mean	After TRT SD	Total		fore TRT SD	Standardised Mean Difference	SMD	95%-CI	Weight (common)	Weight (random)
Days after treatment:30 Panagiotis A. Koromantzos 2012	27	15.20	9.7000	27	13.40	12.7000	-	0.16	[-0.38; 0.69]	10.6%	11.2%
Days after treatment:45 Lei Chen 2012	43	0.00	0.0000	43	0.00	0.0000		-0.31	[-0.74; 0.11]	16.7%	11.3%
Days after treatment:90 Panagiotis A. Koromantzos 2012 Lei Chen 2012 Common effect model Random effects model Heterogeneity: $J^2 = 46\%$, $\tau^2 = 0.0523$, J	27 43 70 0 = 0.17	15.40 19.60	11.7000 19.8000	27 43 70		12.7000 46.4000		0.16 -0.31 -0.13 -0.10	[-0.37; 0.70] [-0.74; 0.11] [-0.46; 0.20] [-0.57; 0.36]	10.6% 16.7% 27.3%	11.2% 11.3% 22.5%
Days after treatment:180 Panagiotis A. Koromantzos 2012 Lei Chen 2012 Common effect model Random effects model Heterogeneity: $J^2 = 60\%$, $\tau^2 = 0.0905$, $J^2 = 0.0905$, $J^2 = 0.0905$	27 43 70 0 = 0.11	14.50 15.30	9.7000 12.7000	27 43 70		12.7000 46.4000		0.10 -0.45 -0.24 -0.20	[-0.44; 0.63] [-0.88; -0.03] [-0.57; 0.10] [-0.74; 0.33]	10.6% 16.5% 27.1%	11.2% 11.3% 22.5%
Days after treatment:365 Zekonis 2016	34	15.20	3.6000	34	24.80	4.5000	-	-2.33	[-2.95; -1.71]	7.8%	11.0%
Days after treatment:730 Zekonis 2016	33	13.10	2.9000	33	24.80	4.5000		-3.05	[-3.78; -2.33]	5.8%	10.8%
Days after treatment:1095 Zekonis 2016	30	12.40	2.6000	30	24.80	4.5000	-	-3.33	[-4.13; -2.53]	4.8%	10.7%
Common effect model Random effects model	307			307					[-0.83; -0.48] [-1.94; -0.10]	100.0%	100.0%
Heterogeneity: $I^2 = 94\%$, $\tau^2 = 1.9142$, I Test for subgroup differences (commor Test for subgroup differences (random	effect):						-4 -2 0 2 4 SMD (mg/L) – Scale factor:10				

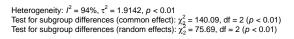
Study	Total	Д Mean	After TRT SD	Total		fore TRT SD
MonthsAfterTRT:4-6Wks Panagiotis A. Koromantzos 2012	27	15.20	9.7000	27	13.40	12.7000
Months After TRT: Within 3 Mo. Panagiotis A. Koromantzos 2012 Lei Chen 2012 Lei Chen 2012 Common effect model Random effects model Heterogeneity: $I^2 = 13\%$, $\tau^2 = < 0.0001$	27 43 43 113 , p = 0.3	15.40 0.00 19.60	11.7000 0.0000 19.8000	27 43 43 113	13.40 0.00 30.90	12.7000 0.0000 46.4000
Months After TRT: Within 6 Mo. Panagiotis A. Koromantzos 2012 Lei Chen 2012 Common effect model Random effects model Heterogeneity: $I^2 = 60\%$, $\tau^2 = 0.0905$, μ	43 70	14.50 15.30	9.7000 12.7000	27 43 70	13.40 30.90	12.7000 46.4000
Months After TRT: 6Mo. and more Zekonis 2016 Zekonis 2016 Zekonis 2016 Common effect model Random effects model Heterogeneity: $I^2 = 54\%$, $\tau^2 = 0.1539$, μ	34 33 30 97	15.20 13.10 12.40	3.6000 2.9000 2.6000		24.80 24.80 24.80	4.5000 4.5000 4.5000
Common effect model Random effects model	307			307		

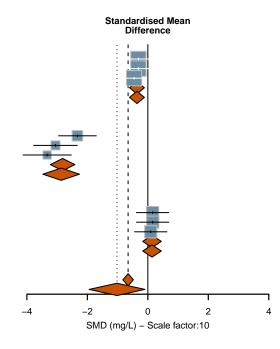




SMD	95%-CI		Weight (random)
0.16	[-0.38; 0.69]	10.6%	11.2%
0.16 0.31 0.31 0.20 0.20	[-0.37; 0.70] [-0.74; 0.11] [-0.74; 0.11] [-0.46; 0.06] [-0.46; 0.06]	10.6% 16.7% 16.7% 44.0%	11.2% 11.3% 11.3% 33.8%
0.10 0.45 0.24 0.20	[-0.44; 0.63] [-0.88; -0.03] [-0.57; 0.10] [-0.74; 0.33]	10.6% 16.5% 27.1%	11.2% 11.3% 22.5%
2.33 3.05 3.33 2.82 2.87	[-3.78; -2.33]	7.8% 5.8% 4.8% 18.4%	11.0% 10.8% 10.7% 32.5%
0.65 1.02		100.0%	100.0%

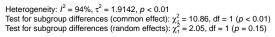
Study	Total	Mean	After TRT SD		Be Mean	fore TRT SD
Assay type:ELISA Lei Chen 2012 Lei Chen 2012 Lei Chen 2012 Common effect model Random effects model Heterogeneity: $f^2 = 0\%$, $\tau^2 = 0$, $p = 0.87$	43 43 43 129	0.00 19.60 15.30	0.0000 19.8000 12.7000	43 43 43 129	0.00 30.90 30.90	0.0000 46.4000 46.4000
Assay type:particle-enhanced t Zekonis 2016 Zekonis 2016 Zekonis 2016 Common effect model Random effects model Heterogeneity: I ² = 54%, τ ² = 0.1539, p	34 33 30 97	metric a 15.20 13.10 12.40	3.6000 2.9000	34 33 30 97	24.80	4.5000 4.5000 4.5000
Assay type:PCR Panagiotis A. Koromantzos 2012 Panagiotis A. Koromantzos 2012 Panagiotis A. Koromantzos 2012 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.98$	27 27 81	15.20 15.40 14.50	9.7000 11.7000 9.7000	27 27 27 81	13.40 13.40 13.40	12.7000 12.7000 12.7000
Common effect model Random effects model	307			307		

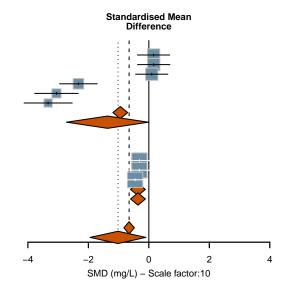




SMD	95%-CI	Weight (common)	
0.31 0.31 0.45 0.36 0.36	[-0.74; 0.11] [-0.74; 0.11] [-0.88; -0.03] [-0.61; -0.11] [-0.61; -0.11]	16.7% 16.7% 16.5% 49.9%	11.3% 11.3% 11.3% 34.0%
2.33 3.05 3.33 2.82 2.87	[-2.95; -1.71] [-3.78; -2.33] [-4.13; -2.53] [-3.22; -2.41] [-3.47; -2.26]	7.8% 5.8% 4.8% 18.4%	11.0% 10.8% 10.7% 32.5%
0.16 0.16 0.10 0.14 0.14	[-0.38; 0.69] [-0.37; 0.70] [-0.44; 0.63] [-0.17; 0.45] [-0.17; 0.45]	10.6% 10.6% 10.6% 31.8%	11.2% 11.2% 11.2% 33.5%
0.65 1.02		100.0%	100.0%

Study	Total	Mean	After TRT SD		Be Mean	fore TRT SD
Bias judgment:Low risk Panagiotis A. Koromantzos 2012 Panagiotis A. Koromantzos 2012 Panagiotis A. Koromantzos 2012 Zekonis 2016 Zekonis 2016 Zekonis 2016 Common effect model Random effects model Heterogeneity: I² = 96%, τ² = 2.7657, μ	27 27 27 34 33 30 178	15.20 15.40 14.50 15.20 13.10 12.40	3.6000 2.9000	27 34 33	24.80	12.7000 12.7000 12.7000 4.5000 4.5000 4.5000
Bias judgment:Some concerns Lei Chen 2012 Lei Chen 2012 Lei Chen 2012 Common effect model Random effects model Heterogeneity: $J^2 = 0\%$, $\tau^2 = 0$, $p = 0.87$	43 43 43 129	0.00 19.60 15.30	0.0000 19.8000 12.7000			0.0000 46.4000 46.4000
Common effect model Random effects model	307			307		
Heterogeneity: $J^2 = 94\%$, $\tau^2 = 1.9142$, r	- 0.01					

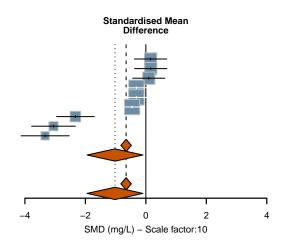




SMD	95%-CI	Weight (common)	Weight (random)
0.16 0.16 0.10 -2.33 -3.05 -3.33 -0.94 -1.37	[-0.38; 0.69] [-0.37; 0.70] [-0.44; 0.63] [-2.95; -1.71] [-3.78; -2.33] [-4.13; -2.53] [-1.19; -0.70] [-2.72; -0.01]	10.6% 10.6% 10.6% 7.8% 5.8% 4.8% 50.1%	11.2% 11.2% 11.2% 11.0% 10.8% 10.7%
	[-0.74; 0.11] [-0.74; 0.11] [-0.88; -0.03] [-0.61; -0.11] [-0.61; -0.11]	16.7% 16.7% 16.5% 49.9%	11.3% 11.3% 11.3% 34.0%
	[-0.83; -0.48] [-1.94; -0.10]	100.0%	100.0%

Study	Total	Д Mean	After TRT SD	Total		fore TRT SD
Study design:RCT Panagiotis A. Koromantzos 2012 Panagiotis A. Koromantzos 2012 Panagiotis A. Koromantzos 2012 Lei Chen 2012 Lei Chen 2012 Lei Chen 2012 Zekonis 2016 Zekonis 2016 Zekonis 2016 Common effect model Random effects model Heterogeneity: I ² = 94%, z ² = 1.9142, p	27 27 27 43 43 43 33 30 307	15.20 15.40 14.50 0.00 19.60 15.30 15.20 13.10 12.40	9.7000 11.7000 9.7000 0.0000 19.8000 12.7000 3.6000 2.9000 2.6000	27 27 27 43 43 43 34 33 30 307	13.40 13.40 13.40 0.00 30.90 30.90 24.80 24.80	12.7000 12.7000 12.7000 0.0000 46.4000 46.4000 4.5000 4.5000
Common effect model Random effects model	307			307		

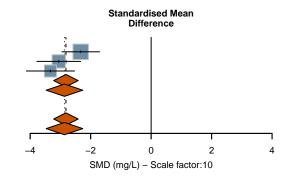
Heterogeneity: I^2 = 94%, τ^2 = 1.9142, p < 0.01 Test for subgroup differences (common effect): χ^2_0 = 0.00, df = 0 (p = NA) Test for subgroup differences (random effects): χ^2_0 = 0.00, df = 0 (p = NA)



SMD	95%-CI	Weight (common)	Weight (random)	
0.16 0.16 0.10 -0.31 -0.45 -2.33 -3.05 -3.33 -0.65 -1.02	[-0.38; 0.69] [-0.37; 0.70] [-0.44; 0.63] [-0.74; 0.11] [-0.74; 0.11] [-0.88; -0.03] [-2.95; -1.71] [-3.78; -2.33] [-4.13; -2.53] [-0.83; -0.48] [-1.94; -0.10]	10.6% 10.6% 10.6% 16.7% 16.7% 16.5% 7.8% 4.8% 100.0%	11.3% 11.3% 11.3% 11.0% 10.8%	
	[-0.83; -0.48] [-1.94; -0.10]	100.0%	100.0%	

		AI	teriki		Bero	ore IKI
Study	Total	Mean	SD	Total	Mean	SD
Additional_devices:wee	kely F	1202 0	,5% irrig	gation		
Zekonis 2016	34	15.20	3.6000	34	24.80	4.5000
Zekonis 2016	33	13.10	2.9000	33	24.80	4.5000
Zekonis 2016	30	12.40	2.6000	30	24.80	4.5000
Common effect model	97			97		
Random effects model						
Heterogeneity: $I^2 = 54\%$, $\tau^2 =$	0.1539,	p = 0.11				
Common effect model Random effects model	97			97		

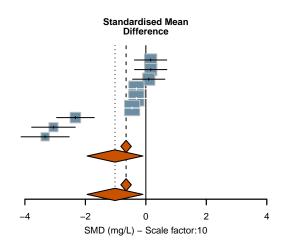
Heterogeneity: $I'^2=54\%$, $\tau^2=0.1539$, p=0.11Test for subgroup differences (common effect): $\chi^2_0=0.00$, df = 0 (p=NA) Test for subgroup differences (random effects): $\chi^2_0=0.00$, df = 0 (p=NA)



SMD	95%-CI	Weight (common)	Weight (random)
-2.33 -3.05 -3.33 -2.82 -2.87	[-2.95; -1.71] [-3.78; -2.33] [-4.13; -2.53] [-3.22; -2.41] [-3.47; -2.26]	42.4% 31.6% 25.9% 100.0%	37.3% 32.9% 29.8%
	[-3.22; -2.41] [-3.47; -2.26]	100.0%	100.0%

Study	Total	Δ Mean	After TRT	Total		fore TRT SD
Female_binary:Sex mixed Panagiotis A. Koromantzos 2012 Panagiotis A. Koromantzos 2012 Panagiotis A. Koromantzos 2012 Lei Chen 2012 Lei Chen 2012 Lei Chen 2012 Zekonis 2016 Zekonis 2016 Zekonis 2016 Common effect model Random effects model	27 27 27 43 43 43 34 33 30 307	15.20 15.40 14.50 0.00 19.60 15.30 15.20 13.10 12.40	9.7000 11.7000 9.7000 0.0000 19.8000 12.7000 3.6000 2.9000 2.6000	27 27 27 43 43 43 34 33 30 307	13.40 13.40 13.40 0.00 30.90 30.90 24.80 24.80	12.7000 12.7000 12.7000 0.0000 46.4000 4.5000 4.5000 4.5000
Heterogeneity: $l^2 = 94\%$, $\tau^2 = 1.9142$, p Common effect model Random effects model	307			307		

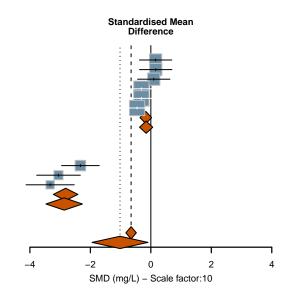
Heterogeneity: I^2 = 94%, τ^2 = 1.9142, p < 0.01 Test for subgroup differences (common effect): χ^2_0 = 0.00, df = 0 (p = NA) Test for subgroup differences (random effects): χ^2_0 = 0.00, df = 0 (p = NA)



SMD	95%-CI	Weight (common)	Weight (random)	
0.16 0.10 -0.31 -0.31 -0.45 -2.33 -3.05 -3.33 -0.65 -1.02	[-0.38; 0.69] [-0.37; 0.70] [-0.44; 0.63] [-0.74; 0.11] [-0.74; 0.11] [-0.88; -0.03] [-2.95; -1.71] [-3.78; -2.33] [-4.13; -2.53] [-0.83; -0.48] [-1.94; -0.10]	10.6% 10.6% 10.6% 16.7% 16.7% 16.5% 7.8% 4.8% 100.0%	11.3% 11.3% 11.0% 10.8%	
-0.65 -1.02	[-0.83; -0.48] [-1.94; -0.10]	100.0%	100.0%	

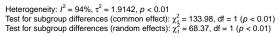
Study	Total	Mean	After TRT SD		Be Mean	fore TRT SD
Smoke_binary:Sample with sn Panagiotis A. Koromantzos 2012 Panagiotis A. Koromantzos 2012 Panagiotis A. Koromantzos 2012 Lei Chen 2012 Lei Chen 2012 Lei Chen 2012 Common effect model Random effects model Heterogeneity: $l^2 = 22\%$, $\tau^2 = 0.0158$,	27 27 27 43 43 43 210	15.20 15.40 14.50 0.00 19.60 15.30	9.7000 0.0000 19.8000	43		12.7000 0.0000 46.4000
Smoke_binary:Sample without Zekonis 2016 Zekonis 2016 Zekonis 2016 Common effect model Random effects model Heterogeneity: $I^2 = 54\%$, $\tau^2 = 0.1539$,	34 33 30 97	15.20	3.6000 2.9000 2.6000			
Common effect model Random effects model	307			307		
Hotorogopoity: $l^2 = 0.494$, $\sigma^2 = 1.0142$	n - 0 01					

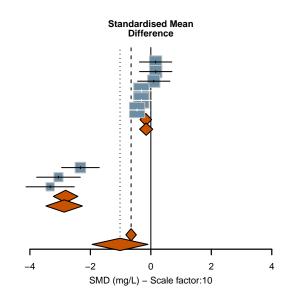
Heterogeneity: $J^2=94\%$, $\tau^2=1.9142$, p<0.01Test for subgroup differences (common effect): $\chi^2_1=133.98$, df = 1 (p<0.01) Test for subgroup differences (random effects): $\chi^2_1=68.37$, df = 1 (p<0.01)



SMD	95%-CI	Weight (common)	Weight (random)
0.16 0.16 0.10 -0.31 -0.31 -0.45 -0.17	[-0.38; 0.69] [-0.37; 0.70] [-0.44; 0.63] [-0.74; 0.11] [-0.74; 0.11] [-0.88; -0.03] [-0.36; 0.03] [-0.37; 0.06]	10.6% 10.6% 10.6% 16.7% 16.7% 16.5% 81.6%	11.3% 11.3%
-2.33 -3.05 -3.33 -2.82 -2.87		7.8% 5.8% 4.8% 18.4%	11.0% 10.8% 10.7% 32.5%
	[-0.83; -0.48] [-1.94; -0.10]	100.0%	100.0%

Study	Total	Mean	After TRT SD		Be Mean	fore TRT SD
Diabetes_binary:Sample with d Panagiotis A. Koromantzos 2012 Panagiotis A. Koromantzos 2012 Panagiotis A. Koromantzos 2012 Lei Chen 2012 Lei Chen 2012 Lei Chen 2012 Common effect model Random effects model Heterogeneity: I ² = 22%, τ ² = 0.0158, p	27 27 27 43 43 43 210	15.20 15.40 14.50 0.00	9.7000 0.0000 19.8000	43	13.40 13.40 0.00 30.90	0.0000 46.4000
Diabetes_binary:Sample without Zekonis 2016 Zekonis 2016 Zekonis 2016 Common effect model Random effects model Heterogeneity: I ² = 54%, τ ² = 0.1539, μ	34 33 30 97	etic 15.20 13.10 12.40	3.6000 2.9000 2.6000		24.80 24.80 24.80	4.5000
Common effect model Random effects model	307			307		
Heterogeneity: $I^2 = 94\%$, $\tau^2 = 1.9142$, μ	0.01	2				





SMD	95%-CI	Weight (common)	
0.16 0.16 0.10 0.31 0.31 0.45 0.17	[-0.38; 0.69] [-0.37; 0.70] [-0.44; 0.63] [-0.74; 0.11] [-0.74; 0.11] [-0.88; -0.03] [-0.36; 0.03] [-0.37; 0.06]	10.6% 10.6% 10.6% 16.7% 16.7% 16.5% 81.6%	
	[-3.78; -2.33] [-4.13; -2.53]	7.8% 5.8% 4.8% 18.4%	11.0% 10.8% 10.7% 32.5%
	[-0.83; -0.48] [-1.94; -0.10]	100.0%	100.0%

Meta-Regression for SMD on hs-CRP - Treatment: Standard

