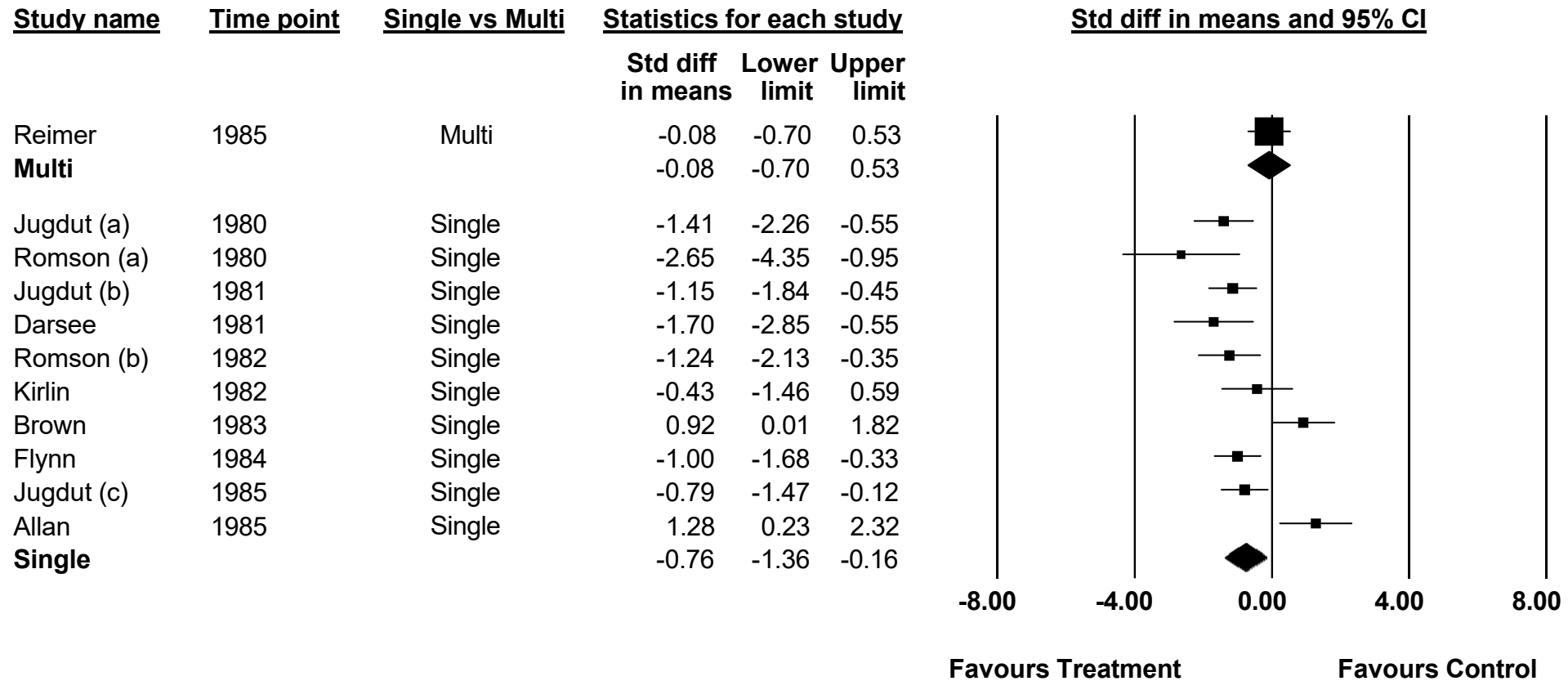
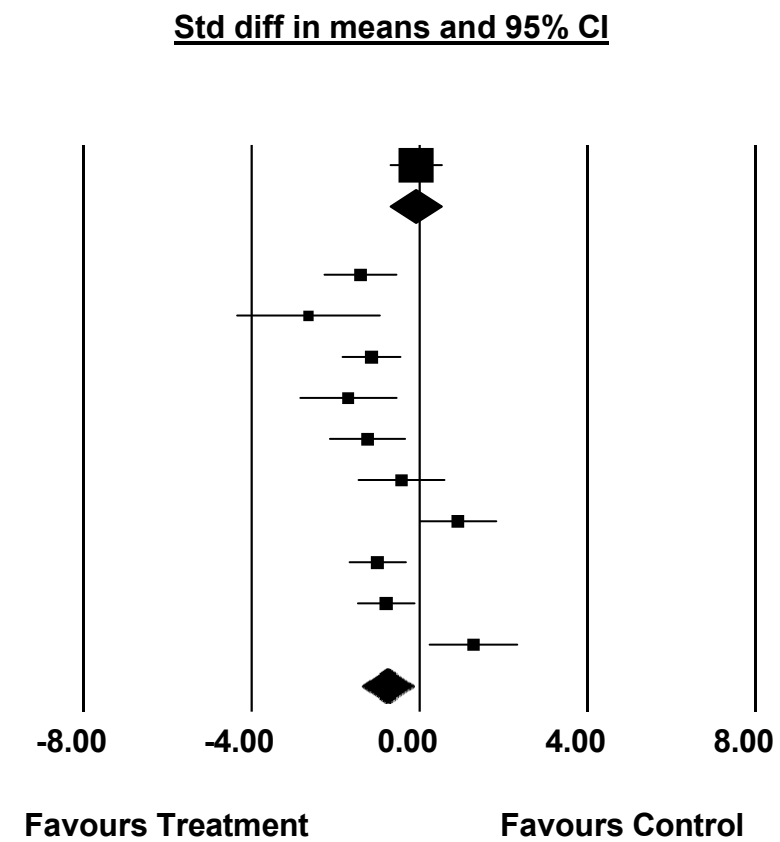


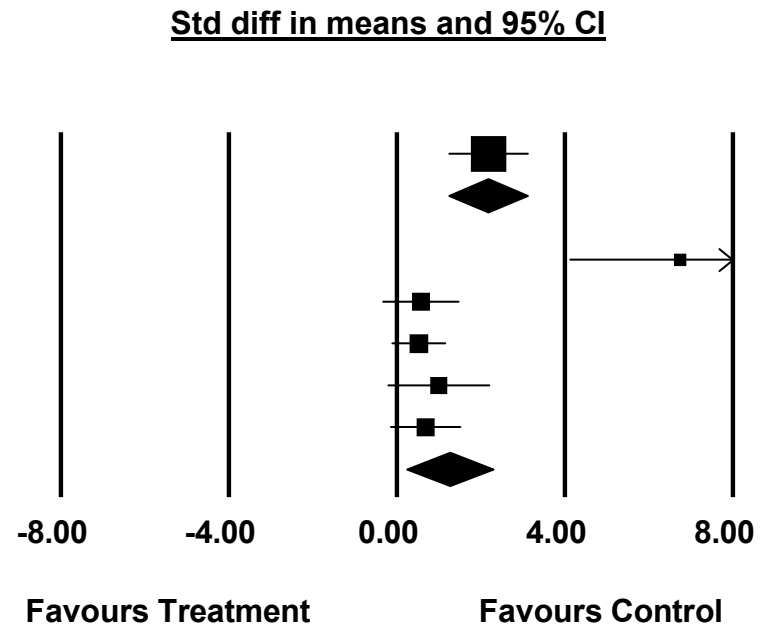
Figure 2 – figure supplement 1. Standardized mean differences for all 14 single vs multilaboratory comparisons and sub-groups by total quality score



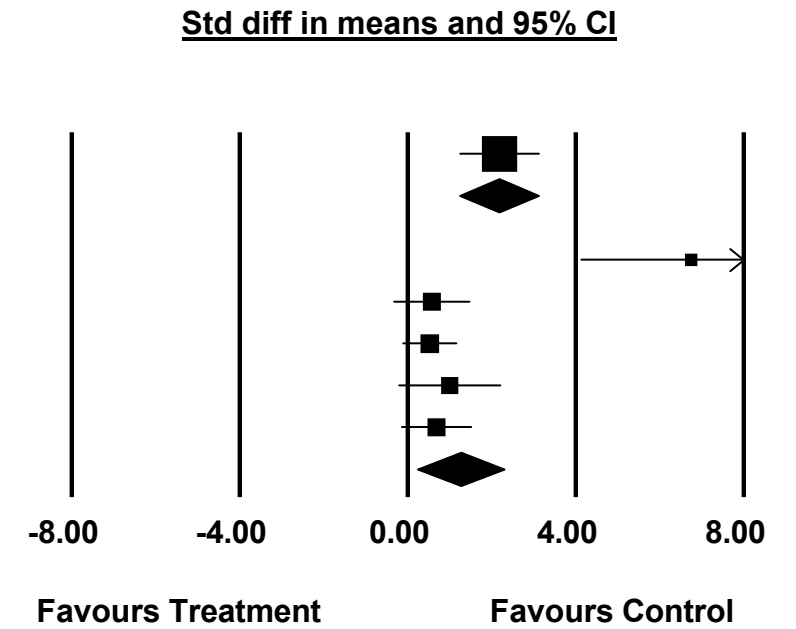
<u>Study name</u>	<u>Time point</u>	<u>Single vs Multi</u>	<u>Quality Score</u>	<u>Statistics for each study</u>		
				<u>Std diff in means</u>	<u>Lower limit</u>	<u>Upper limit</u>
Reimer	1985	Multi	<3	-0.08	-0.70	0.53
Multi OVERALL				-0.08	-0.70	0.53
Jugdut (a)	1980	Single	<3	-1.41	-2.26	-0.55
Romson (a)	1980	Single	<3	-2.65	-4.35	-0.95
Jugdut (b)	1981	Single	<3	-1.15	-1.84	-0.45
Darsee	1981	Single	<3	-1.70	-2.85	-0.55
Romson (b)	1982	Single	<3	-1.24	-2.13	-0.35
Kirlin	1982	Single	<3	-0.43	-1.46	0.59
Brown	1983	Single	<3	0.92	0.01	1.82
Flynn	1984	Single	<3	-1.00	-1.68	-0.33
Jugdut (c)	1985	Single	<3	-0.79	-1.47	-0.12
Allan	1985	Single	<3	1.28	0.23	2.32
Single OVERALL				-0.76	-1.36	-0.16



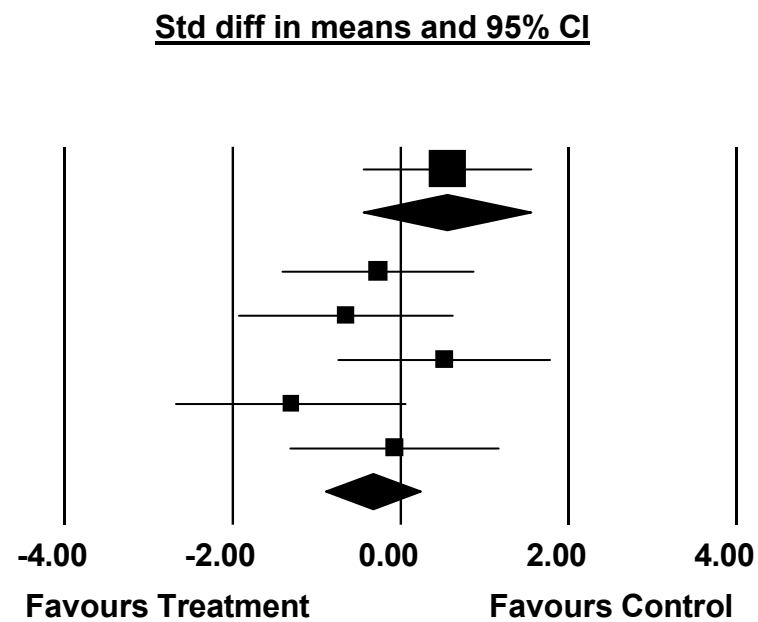
<u>Study name</u>	<u>Time point</u>	<u>Single vs Multi</u>	<u>Statistics for each study</u>		
			Std diff in means	Lower limit	Upper limit
Alam	2009	Multi	2.19	1.25	3.12
Multi			2.19	1.25	3.12
Alam	2011	Single	6.75	4.13	9.37
Lee	2013	Single	0.58	-0.32	1.47
Schechtman	2019	Single	0.53	-0.10	1.16
Sheppard	2018	Single	1.00	-0.20	2.20
Sheppard	2019	Single	0.69	-0.14	1.51
Single			1.28	0.25	2.31



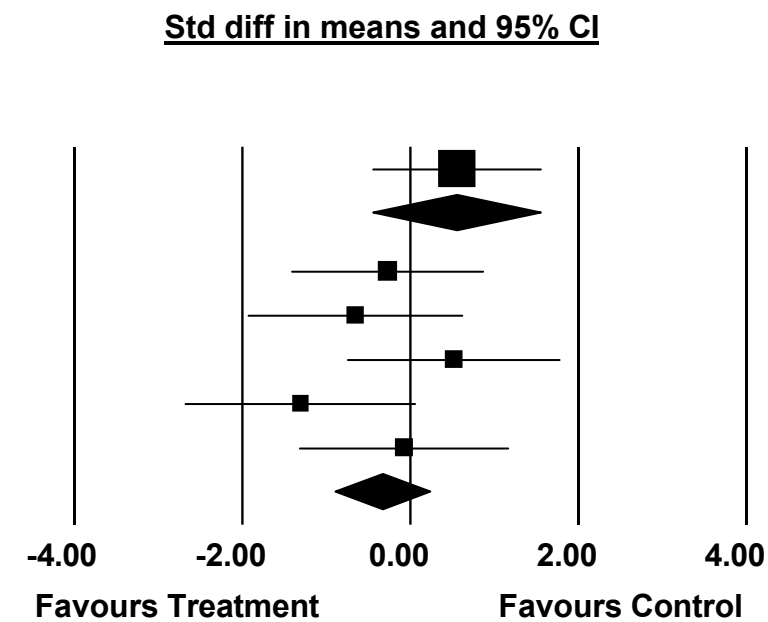
<u>Study name</u>	<u>Time point</u>	<u>Single vs Multi</u>	<u>Time point</u>	<u>Statistics for each study</u>		
				Std diff in means	Lower limit	Upper limit
Alam	2009	Multi	<3	2.19	1.25	3.12
Multi OVERALL				2.19	1.25	3.12
Alam	2011	Single	<3	6.75	4.13	9.37
Lee	2013	Single	<3	0.58	-0.32	1.47
Schechtman	2019	Single	<3	0.53	-0.10	1.16
Sheppard	2018	Single	<3	1.00	-0.20	2.20
Sheppard	2019	Single	<3	0.69	-0.14	1.51
Single OVERALL				1.28	0.25	2.31

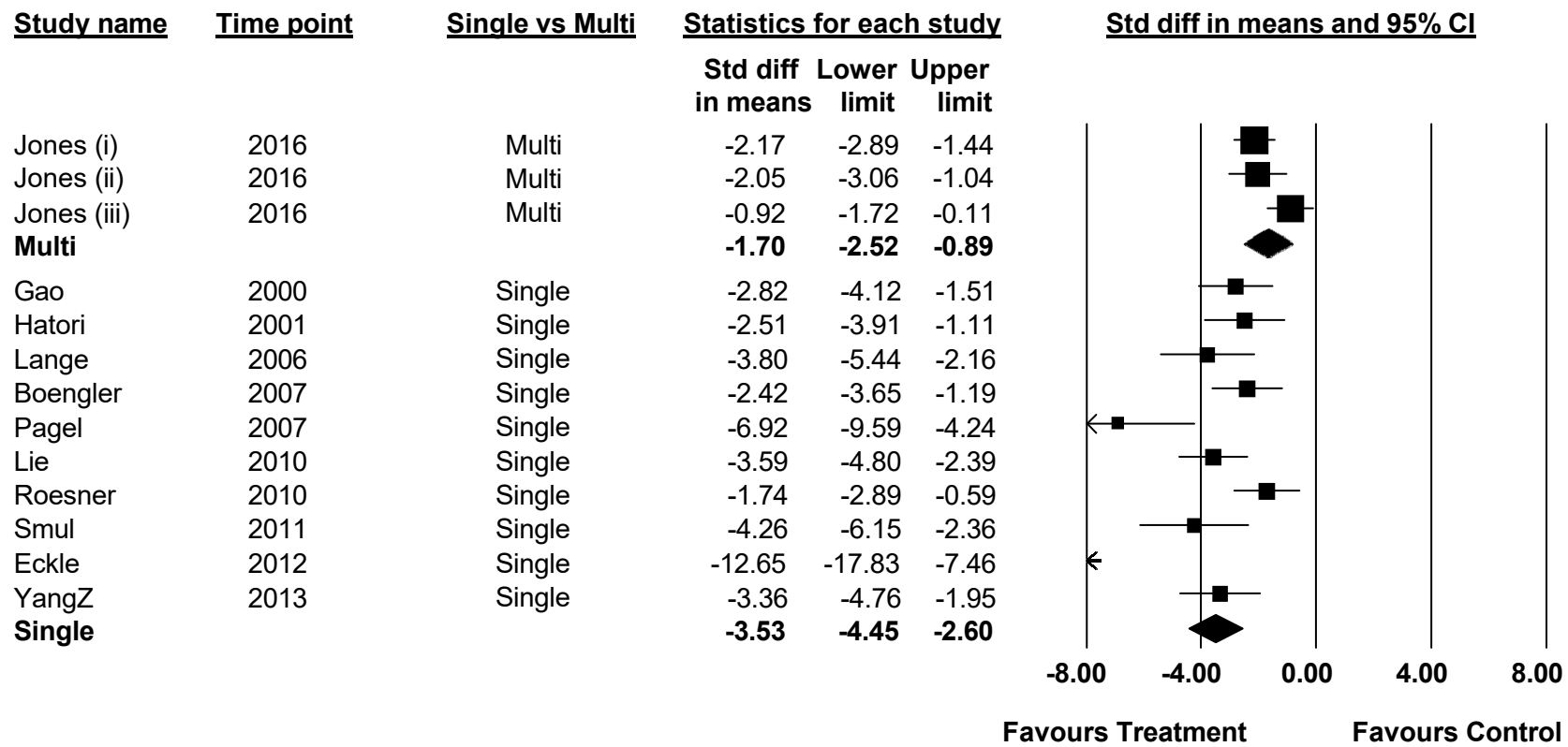


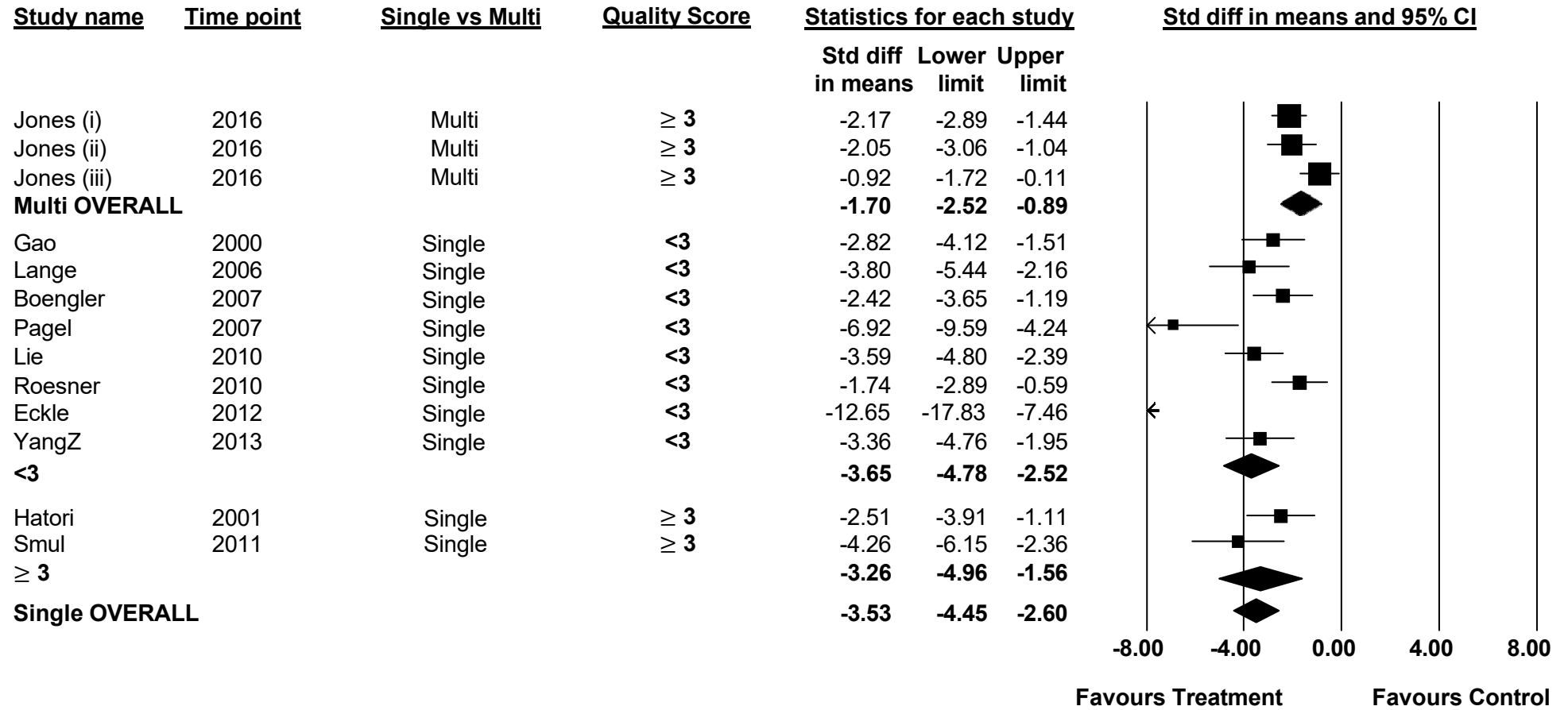
<u>Study name</u>	<u>Time point</u>	<u>Single vs Multi</u>	<u>Statistics for each study</u>		
			Std diff in means	Lower limit	Upper limit
Spoerke	2009	Multi	0.56	-0.44	1.56
Multi			0.56	-0.44	1.56
Shuja	2008	Single	-0.27	-1.41	0.87
Shuja	2011	Single	-0.65	-1.93	0.62
Imam	2013	Single	0.52	-0.74	1.78
Halaweish	2016	Single	-1.31	-2.67	0.06
Georgoff	2017	Single	-0.08	-1.32	1.16
Single			-0.32	-0.89	0.24

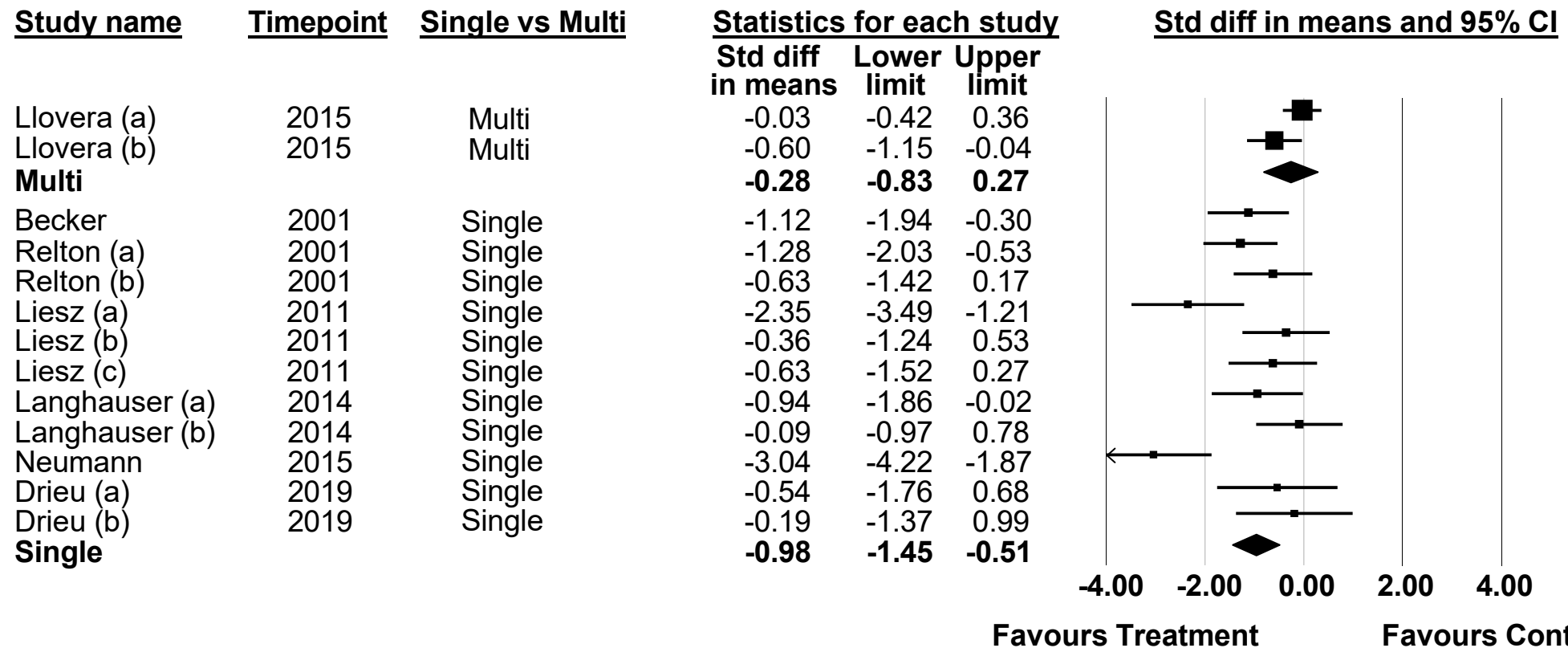


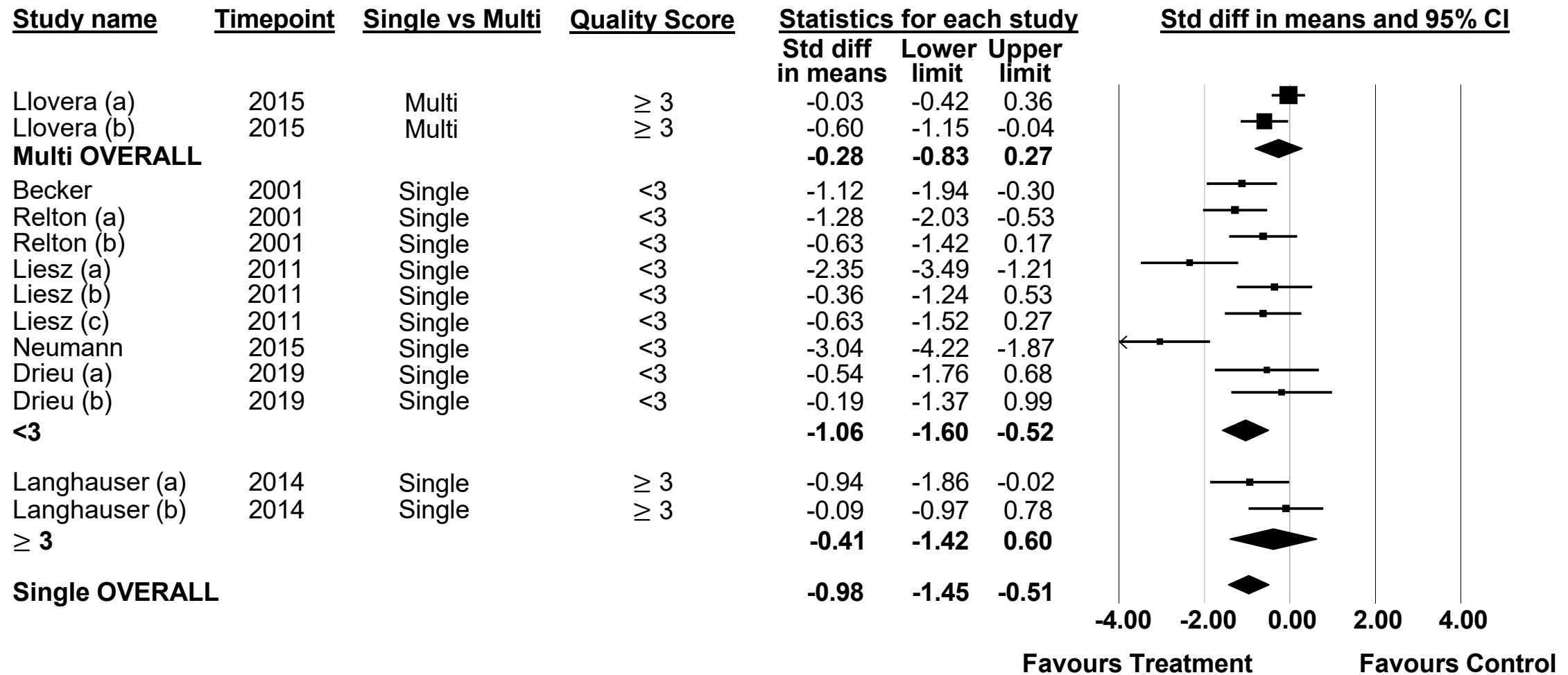
<u>Study name</u>	<u>Time point</u>	<u>Single vs Multi</u>	<u>Quality Score</u>	<u>Statistics for each study</u>		
				Std diff in means	Lower limit	Upper limit
Spoerke	2009	Multi	<3	0.56	-0.44	1.56
Multi OVERALL				0.56	-0.44	1.56
Shuja	2008	Single	<3	-0.27	-1.41	0.87
Shuja	2011	Single	<3	-0.65	-1.93	0.62
Imam	2013	Single	<3	0.52	-0.74	1.78
Halaweish	2016	Single	<3	-1.31	-2.67	0.06
Georgoff	2017	Single	<3	-0.08	-1.32	1.16
Single OVERALL				-0.32	-0.89	0.24

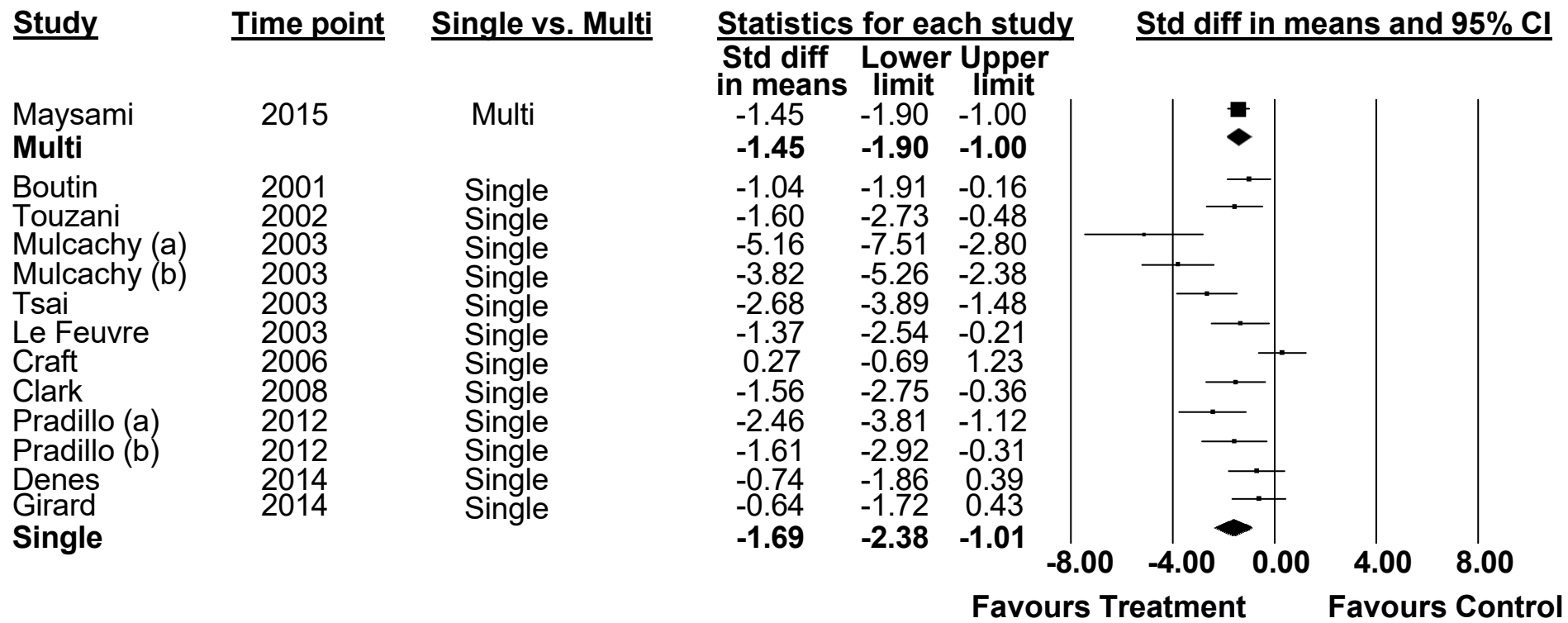


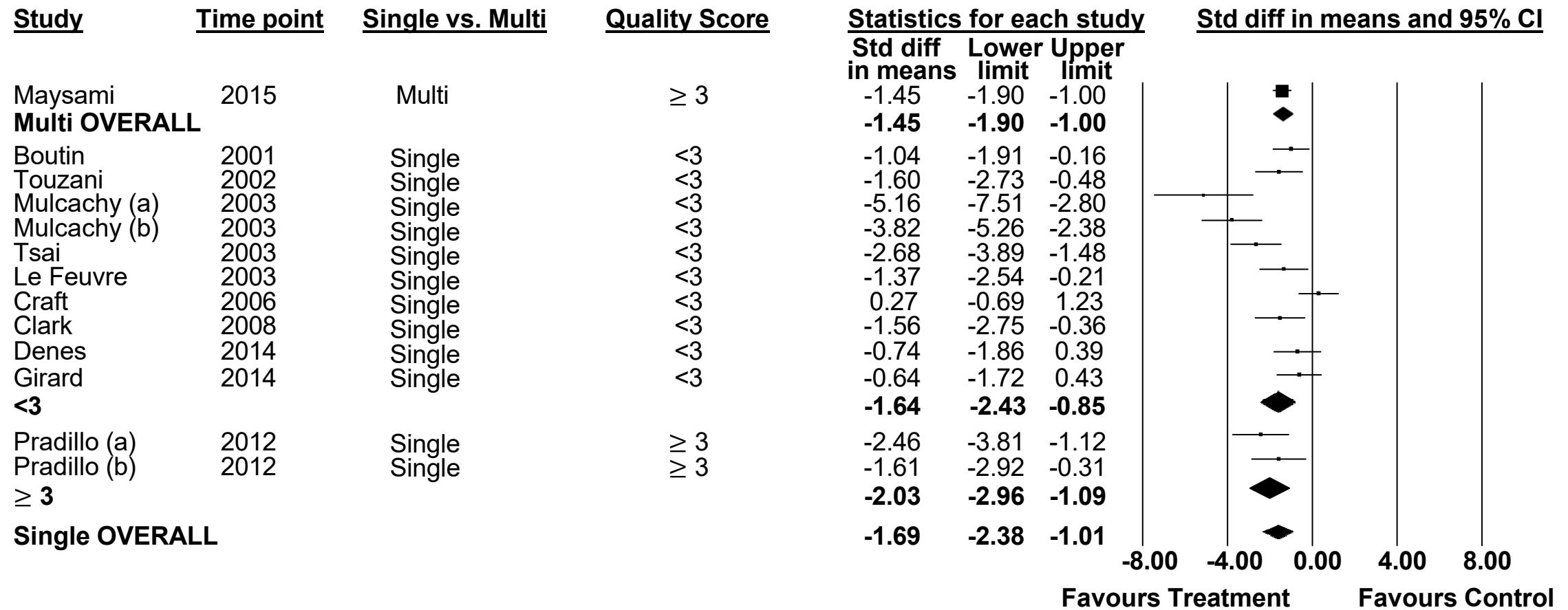




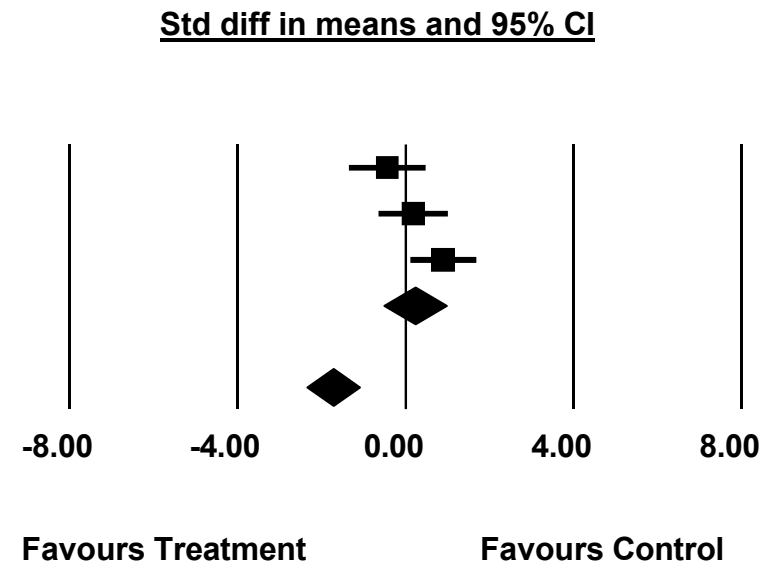




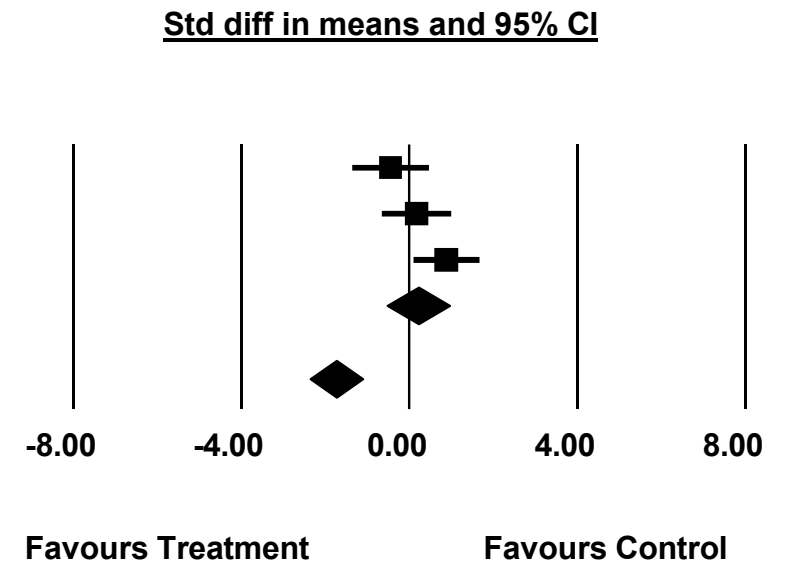




<u>Study name</u>	<u>Time point</u>	<u>Single vs Multi</u>	<u>Statistics for each study</u>		
			Std diff in means	Lower limit	Upper limit
Bramlett (i)	2016	Multi	-0.44	-1.33	0.45
Bramlett (ii)	2016	Multi	0.18	-0.62	0.98
Bramlett (iii)	2016	Multi	0.89	0.13	1.65
Multi			0.24	-0.51	0.98
Single (Peng SR)			-1.72	-2.36	-1.07

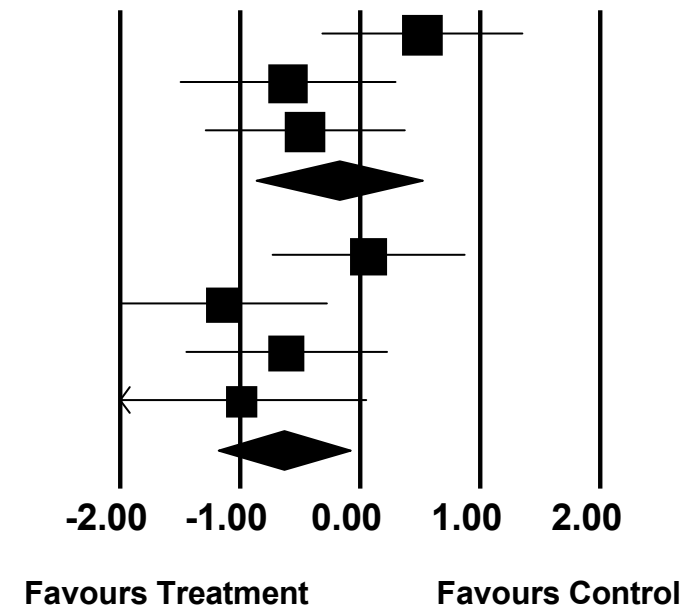


<u>Study name</u>	<u>Time point</u>	<u>Single vs Multi</u>	<u>Quality Score</u>	<u>Statistics for each study</u>		
				<u>Std diff in means</u>	<u>Lower limit</u>	<u>Upper limit</u>
Bramlett (i)	2016	Multi	≥ 3	-0.44	-1.33	0.45
Bramlett (ii)	2016	Multi	≥ 3	0.18	-0.62	0.98
Bramlett (iii)	2016	Multi	≥ 3	0.89	0.13	1.65
Multi OVERALL				0.24	-0.51	0.98
Single (Peng SR) OVERALL			< 3	-1.72	-2.36	-1.07

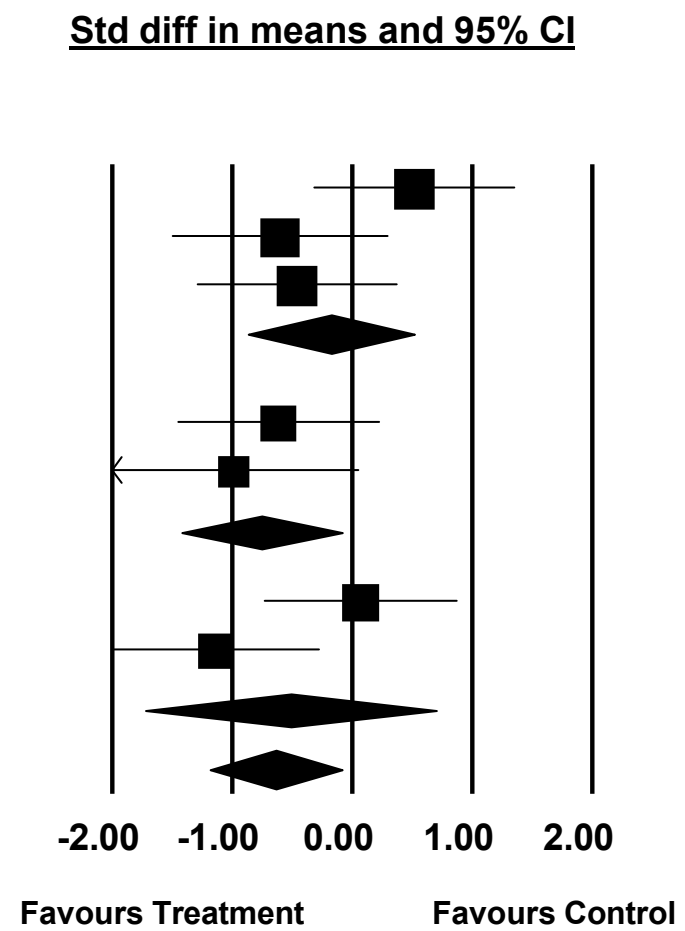


<u>Study name</u>	<u>Time point</u>	<u>Single vs Multi</u>	<u>Statistics for each study</u>		
			Std diff in means	Lower limit	Upper limit
Browning (FPI)	2016	Multi	0.52	-0.31	1.35
Browning (CCI)	2016	Multi	-0.60	-1.50	0.30
Browning (PBBI)	2016	Multi	-0.46	-1.29	0.37
Multi			-0.17	-0.86	0.52
Zou (i)	2013	Single	0.07	-0.73	0.87
Zou (ii)	2015	Single	-1.14	-2.00	-0.27
Caudle	2016	Single	-0.61	-1.45	0.22
Jin	2016	Single	-0.99	-2.02	0.05
Single			-0.63	-1.18	-0.08

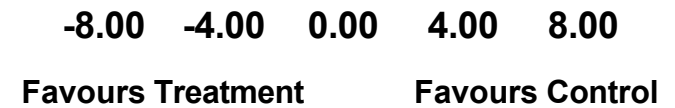
Std diff in means and 95% CI

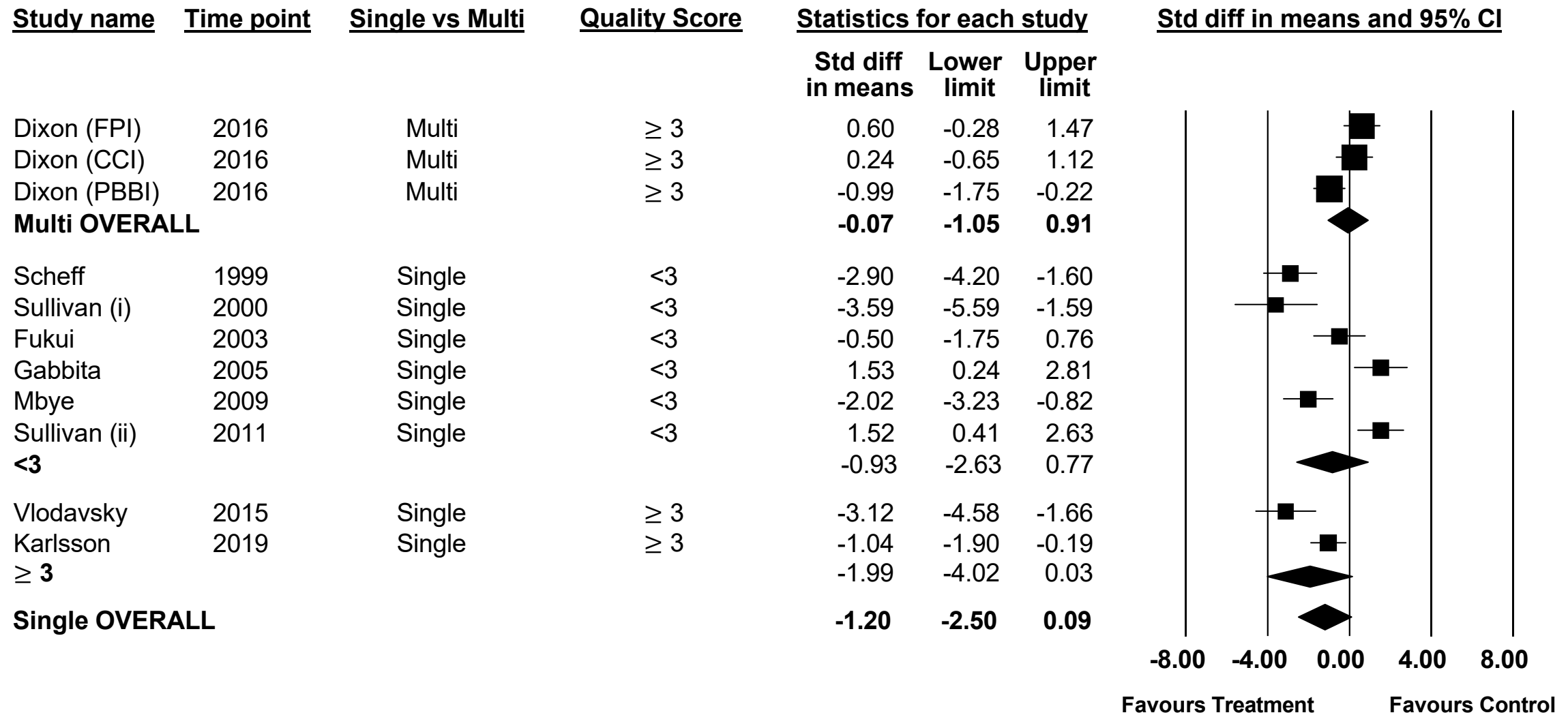


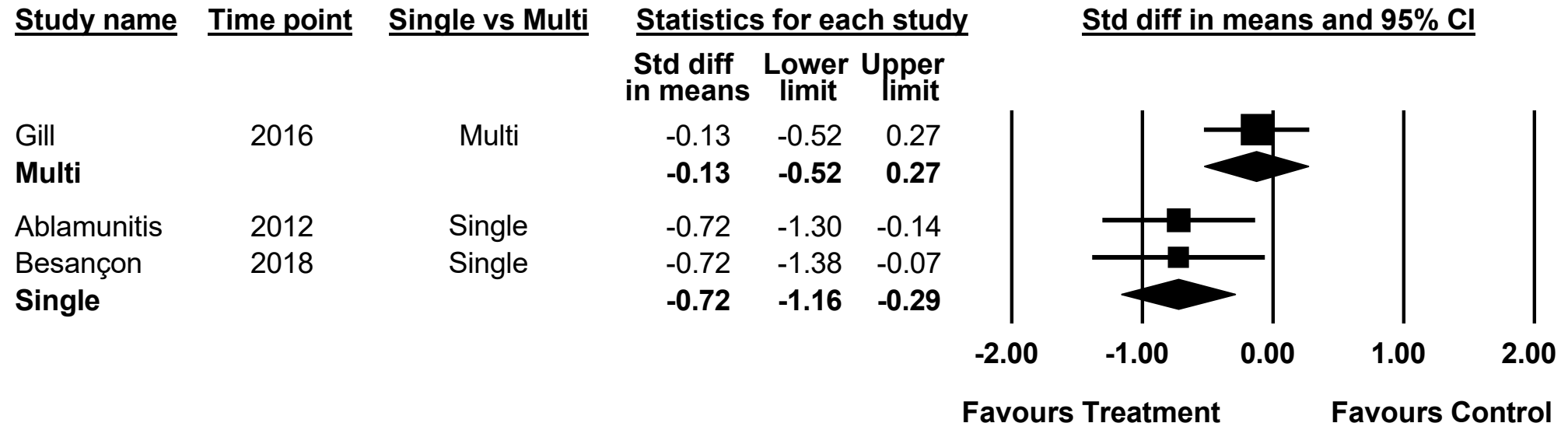
<u>Study name</u>	<u>Time point</u>	<u>Single vs Multi</u>	<u>Quality Score</u>	<u>Statistics for each study</u>		
				Std diff in means	Lower limit	Upper limit
Browning (FPI)	2016	Multi	≥ 3	0.52	-0.31	1.35
Browning (CCI)	2016	Multi	≥ 3	-0.60	-1.50	0.30
Browning (PBBi)	2016	Multi		-0.46	-1.29	0.37
Multi OVERALL				-0.17	-0.86	0.52
Caudle	2016	Single	<3	-0.61	-1.45	0.22
Jin	2016	Single	<3	-0.99	-2.02	0.05
<3				-0.76	-1.41	-0.11
Zou (i)	2013	Single	≥ 3	0.07	-0.73	0.87
Zou (ii)	2015	Single	≥ 3	-1.14	-2.00	-0.27
≥ 3				-0.52	-1.71	0.66
Single OVERALL				-0.63	-1.18	-0.08

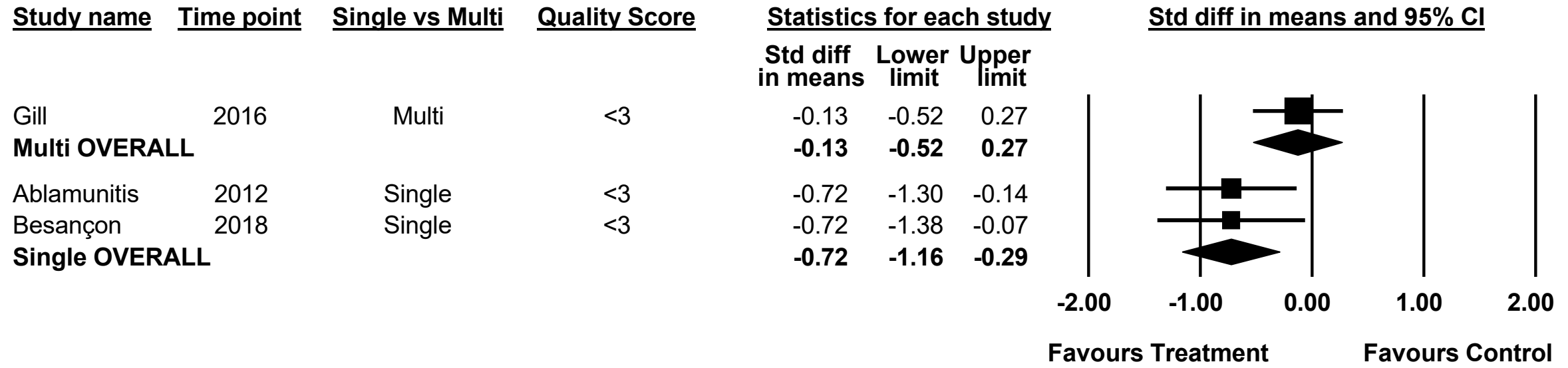


<u>Study name</u>	<u>Time point</u>	<u>Single vs Multi</u>	<u>Statistics for each study</u>			<u>Std diff in means and 95% CI</u>
			Std diff in means	Lower limit	Upper limit	
Dixon (FPI)	2016	Multi	0.60	-0.28	1.47	
Dixon (CCI)	2016	Multi	0.24	-0.65	1.12	
Dixon (PBBI)	2016	Multi	-0.99	-1.75	-0.22	
Multi			-0.07	-1.05	0.91	
Scheff	1999	Single	-2.90	-4.20	-1.60	
Sullivan (i)	2000	Single	-3.59	-5.59	-1.59	
Fukui	2003	Single	-0.50	-1.75	0.76	
Gabbita	2005	Single	1.53	0.24	2.81	
Mbye	2009	Single	-2.02	-3.23	-0.82	
Sullivan (ii)	2011	Single	1.52	0.41	2.63	
Vlodavsky	2015	Single	-3.12	-4.58	-1.66	
Karlsson	2019	Single	-1.04	-1.90	-0.19	
Single			-1.20	-2.50	0.09	

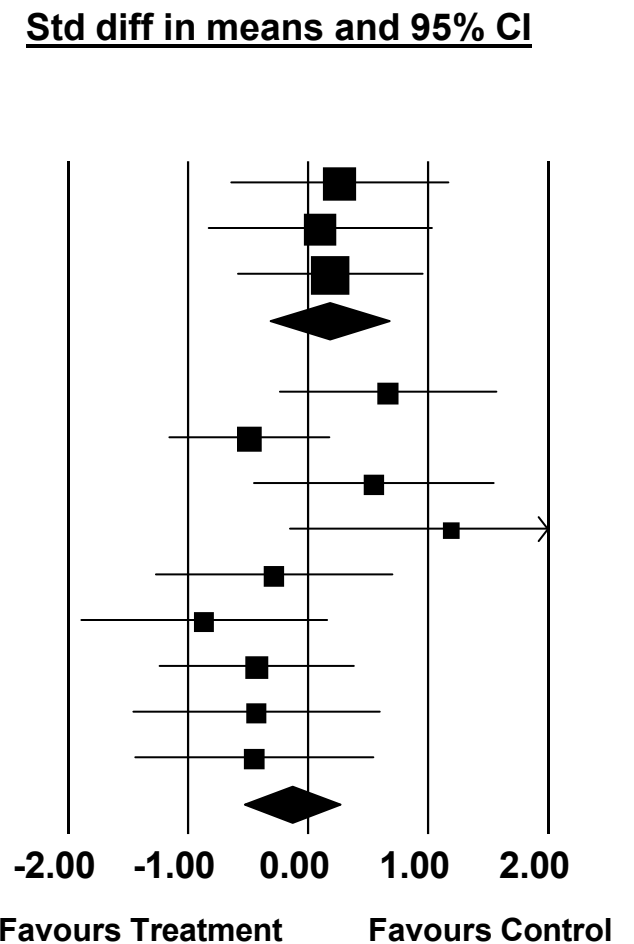








<u>Study name</u>	<u>Time point</u>	<u>Single vs Multi</u>	<u>Statistics for each study</u>		
			Std diff in means	Lower limit	Upper limit
Mountney (FPI)	2016	Multi	0.26	-0.64	1.17
Mountney (CCI)	2016	Multi	0.10	-0.83	1.03
Mountney (PBBI)	2016	Multi	0.18	-0.59	0.95
Multi			0.18	-0.31	0.68
Lu	2007	Single	0.67	-0.23	1.57
Wang	2007	Single	-0.49	-1.16	0.18
Wu	2008	Single	0.55	-0.45	1.55
Abrahamson	2009	Single	1.19	-0.15	2.54
Chauhan (i)	2010	Single	-0.28	-1.27	0.70
Chauhan (ii)	2011	Single	-0.87	-1.89	0.16
Indraswari	2012	Single	-0.43	-1.24	0.38
Vonder Haar (i)	2014	Single	-0.43	-1.46	0.60
Mountney	2016	Single	-0.45	-1.44	0.54
Single			-0.13	-0.53	0.27

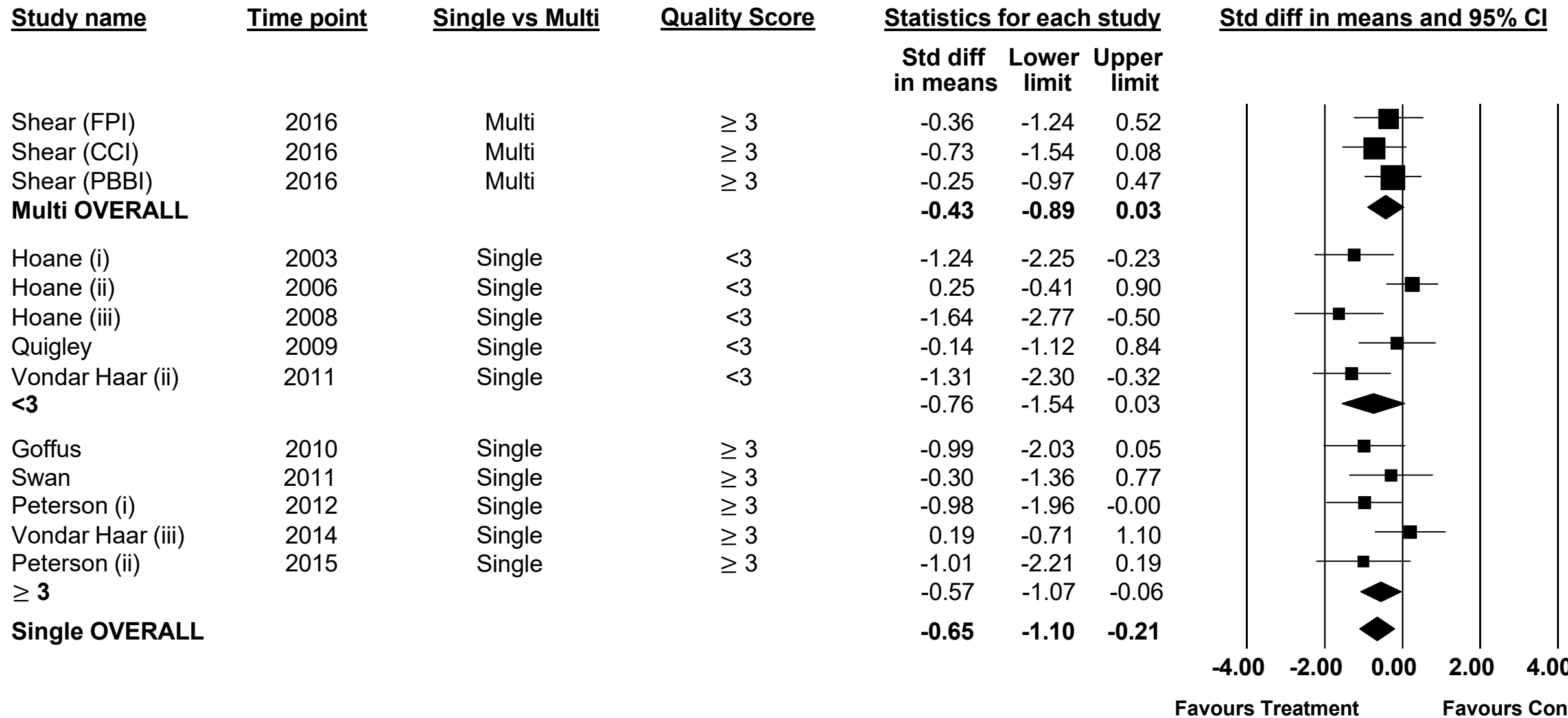


<u>Study name</u>	<u>Time point</u>	<u>Single vs Multi</u>	<u>Quality Score</u>	<u>Statistics for each study</u>			<u>Std diff in means and 95% CI</u>
				Std diff in means	Lower limit	Upper limit	
Mountney (FPI)	2016	Multi	≥ 3	0.26	-0.64	1.17	
Mountney (CCI)	2016	Multi	≥ 3	0.10	-0.83	1.03	
Mountney (PBBI)	2016	Multi	≥ 3	0.18	-0.59	0.95	
Multi OVERALL				0.18	-0.31	0.68	
Lu	2007	Single	<3	0.67	-0.23	1.57	
Wang	2007	Single	<3	-0.49	-1.16	0.18	
Wu	2008	Single	<3	0.55	-0.45	1.55	
Abrahamson	2009	Single	<3	1.19	-0.15	2.54	
Chauhan (i)	2010	Single	<3	-0.28	-1.27	0.70	
Chauhan (ii)	2011	Single	<3	-0.87	-1.89	0.16	
Mountney	2016	Single	<3	-0.45	-1.44	0.54	
<3				-0.02	-0.53	0.49	
Indraswari	2012	Single	≥ 3	-0.43	-1.24	0.38	
Vonder Haar (i)	2014	Single	≥ 3	-0.43	-1.46	0.60	
≥ 3				-0.43	-1.06	0.21	
Single OVERALL				-0.13	-0.53	0.27	

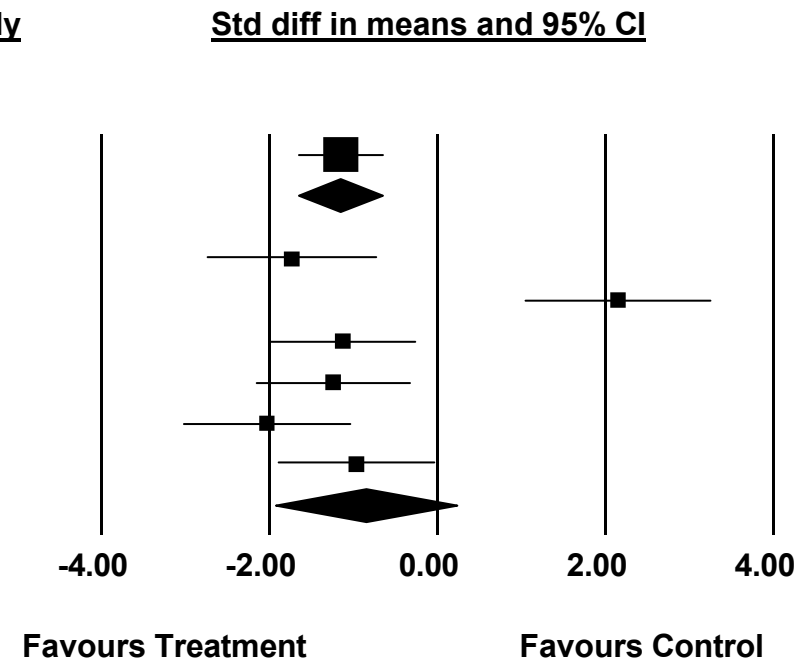
<u>Study name</u>	<u>Time point</u>	<u>Single vs Multi</u>	<u>Statistics for each study</u>			<u>Std diff in means and 95% CI</u>
			Std diff in means	Lower limit	Upper limit	
Shear (FPI)	2016	Multi	-0.36	-1.24	0.52	
Shear (CCI)	2016	Multi	-0.73	-1.54	0.08	
Shear (PBBI)	2016	Multi	-0.25	-0.97	0.47	
Multi			-0.43	-0.89	0.03	
Hoane (i)	2003	Single	-1.24	-2.25	-0.23	
Hoane (ii)	2006	Single	0.25	-0.41	0.90	
Hoane (iii)	2008	Single	-1.64	-2.77	-0.50	
Quigley	2009	Single	-0.14	-1.12	0.84	
Goffus	2010	Single	-0.99	-2.03	0.05	
Swan	2011	Single	-0.30	-1.36	0.77	
Vondar Haar (ii)	2011	Single	-1.31	-2.30	-0.32	
Peterson (i)	2012	Single	-0.98	-1.96	-0.00	
Vondar Haar (iii)	2014	Single	0.19	-0.71	1.10	
Peterson (ii)	2015	Single	-1.01	-2.21	0.19	
Single			-0.65	-1.10	-0.21	

-4.00 -2.00 0.00 2.00 4.00

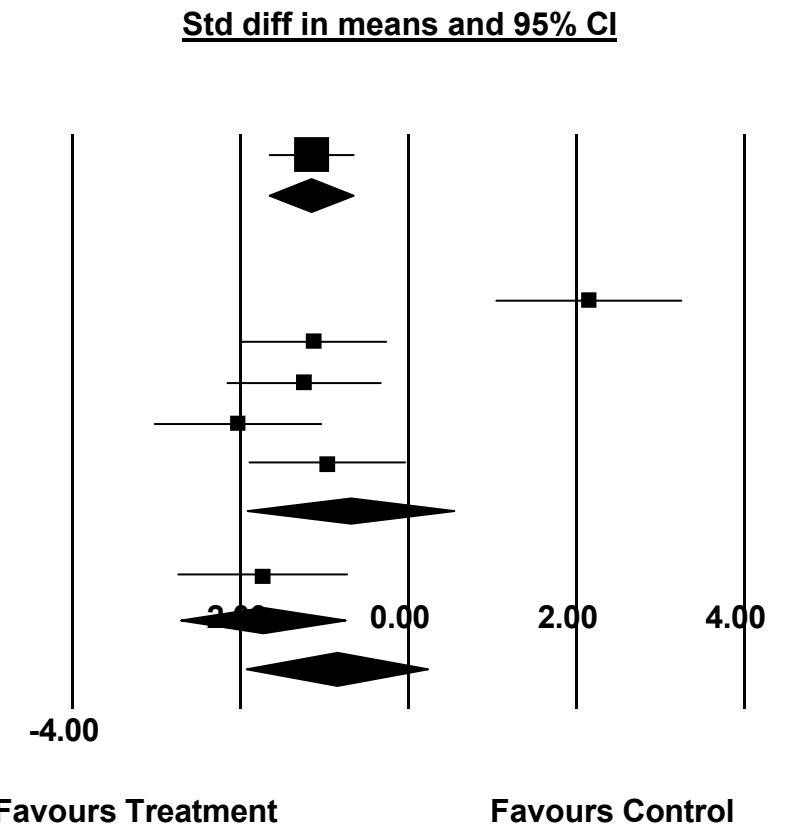
Favours Treatment Favours Control



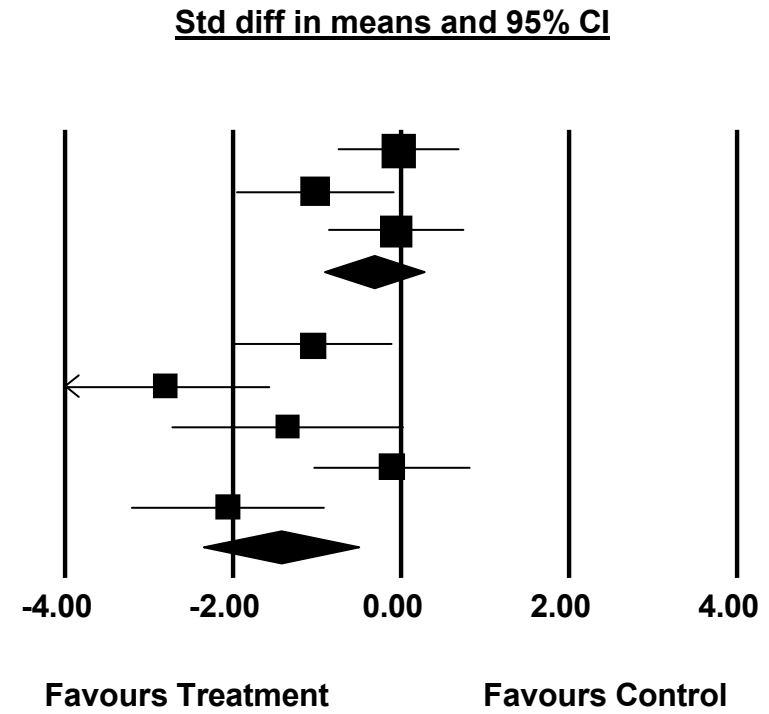
<u>Study name</u>	<u>Time point</u>	<u>Single vs Multi</u>	<u>Statistics for each study</u>		
			Std diff in means	Lower limit	Upper limit
Arroyo-Araujo Multi	2019	Multi	-1.15	-1.65	-0.65
Silverman (i)	2010	Single	-1.73	-2.74	-0.73
Burket	2011	Single	2.15	1.05	3.25
Mehta	2011	Single	-1.13	-1.99	-0.26
Silverman (ii)	2012	Single	-1.24	-2.15	-0.33
Aguilar-Valles	2015	Single	-2.03	-3.02	-1.04
Modi Single	2018	Single	-0.96	-1.89	-0.04
			-0.84	-1.92	0.24



<u>Study name</u>	<u>Time point</u>	<u>Single vs Multi</u>	<u>Quality Score</u>	<u>Statistics for each study</u>		
				Std diff in means	Lower limit	Upper limit
Arroyo-Araujo	2019	Multi	≥ 3	-1.15	-1.65	-0.65
Multi OVERALL				-1.15	-1.65	-0.65
Burket	2011	Single	<3	2.15	1.05	3.25
Mehta	2011	Single	<3	-1.13	-1.99	-0.26
Silverman	2012	Single	<3	-1.24	-2.15	-0.33
Aguilar-Valles	2015	Single	<3	-2.03	-3.02	-1.04
Modi	2018	Single	<3	-0.96	-1.89	-0.04
<3				-0.66	-1.92	0.60
Silverman	2010	Single	≥ 3	-1.73	-2.74	-0.73
≥ 3				-1.73	-2.74	-0.73
Single OVERALL				-0.84	-1.92	0.24



<u>Study name</u>	<u>Time point</u>	<u>Single vs Multi</u>	<u>Statistics for each study</u>		
			Std diff in means	Lower limit	Upper limit
Jha (CCI)	2020	Multi	-0.03	-0.75	0.69
Jha (PBBI)	2020	Multi	-1.02	-1.96	-0.09
Jha (FPI)	2020	Multi	-0.06	-0.86	0.74
Multi			-0.31	-0.91	0.28
Simard	2009	Single	-1.05	-1.98	-0.11
Zweckberger	2014	Single	-2.81	-4.04	-1.57
Xu	2017	Single	-1.35	-2.73	0.02
Jha	2019	Single	-0.11	-1.04	0.81
Gerzanich	2019	Single	-2.06	-3.21	-0.92
Single			-1.42	-2.35	-0.50



<u>Study name</u>	<u>Time point</u>	<u>Single vs Multi</u>	<u>Quality Score</u>	<u>Statistics for each study</u>		
				Std diff in means	Lower limit	Upper limit
Jha (CCI)	2020	Multi	≥ 3	-0.03	-0.75	0.69
Jha (PBBI)	2020	Multi	≥ 3	-1.02	-1.96	-0.09
Jha (FPI)	2020	Multi	≥ 3	-0.06	-0.86	0.74
Multi OVERALL				-0.31	-0.91	0.28
Simard	2009	Single	<3	-1.05	-1.98	-0.11
Xu	2017	Single	<3	-1.35	-2.73	0.02
Gerzanich	2019	Single	<3	-2.06	-3.21	-0.92
<3				-1.43	-2.07	-0.79
Zweckberger	2014	Single	≥ 3	-2.81	-4.04	-1.57
Jha	2019	Single	≥ 3	-0.11	-1.04	0.81
≥ 3				-1.43	-4.07	1.21
Single OVERALL				-1.42	-2.35	-0.50

