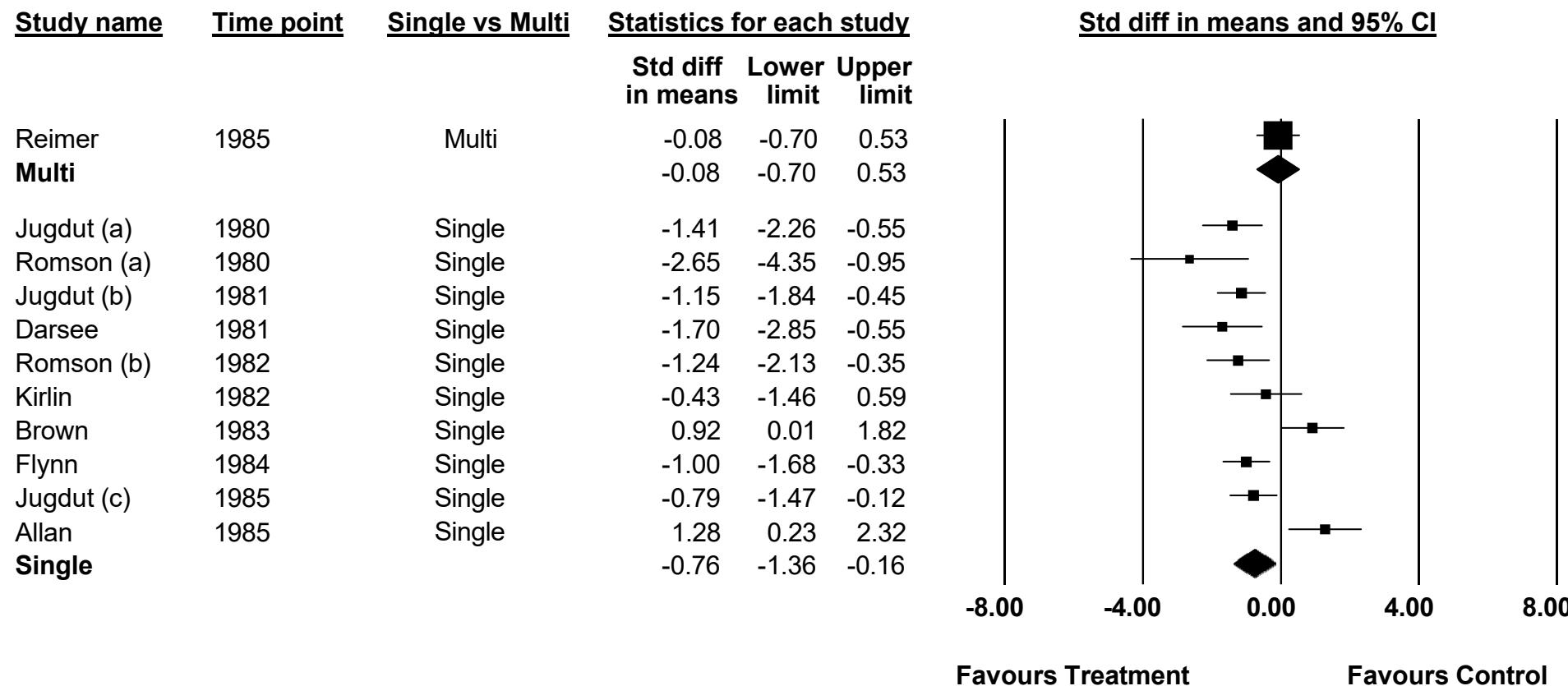
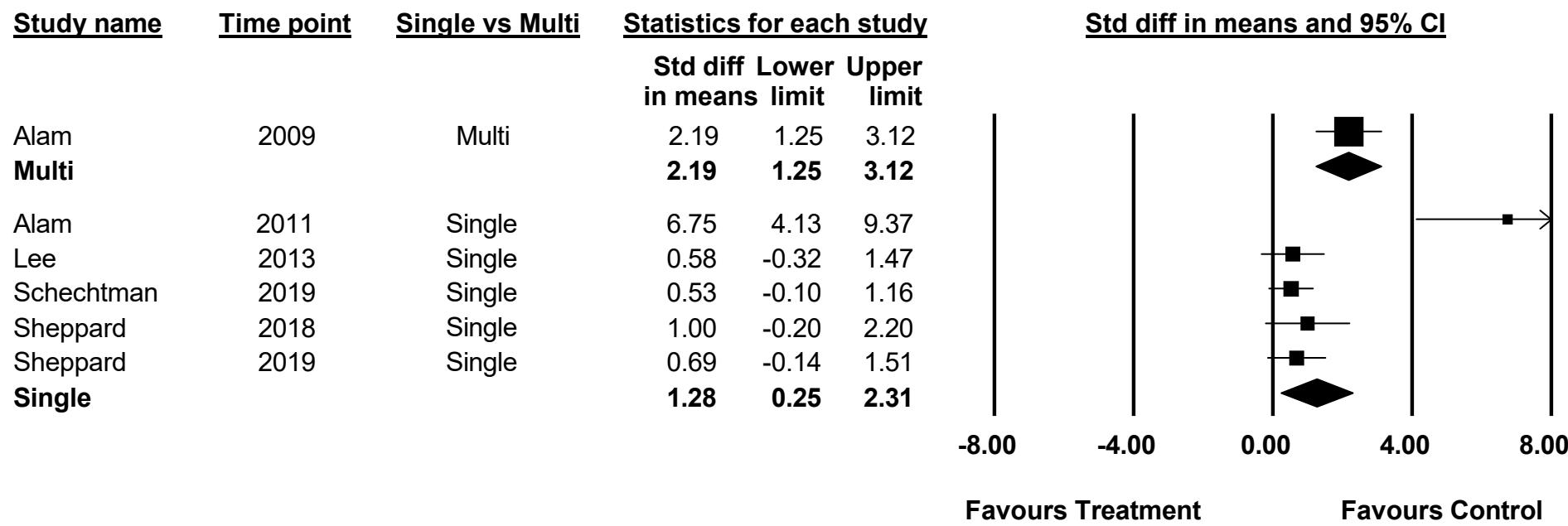


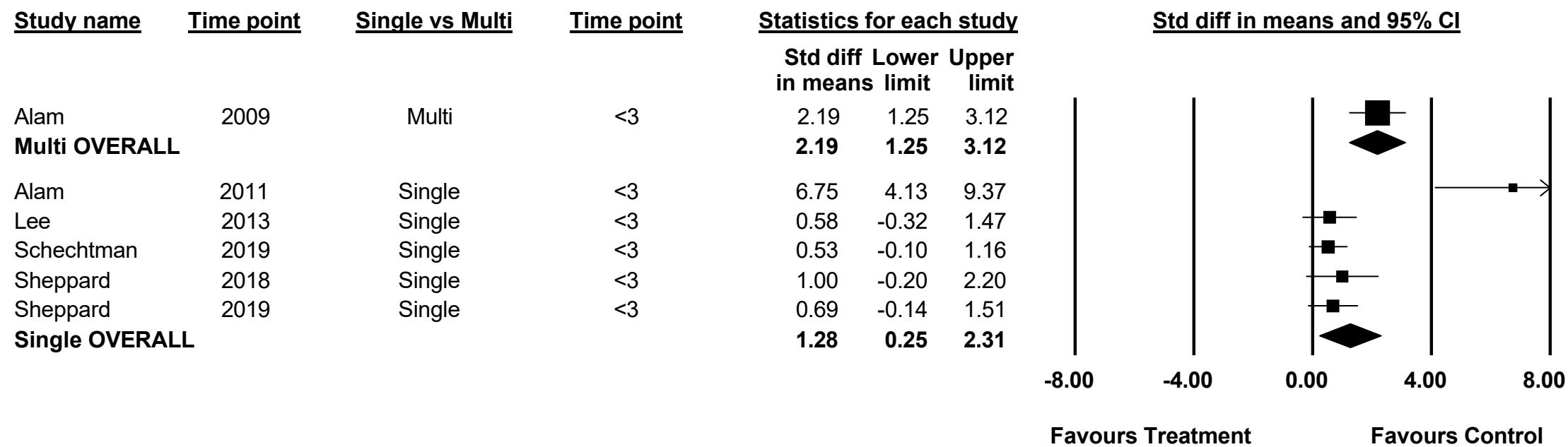
Figure 2 – figure supplement 1. Standardized mean differences for all 14 single vs multilaboratory comparisons and sub-groups by total quality score

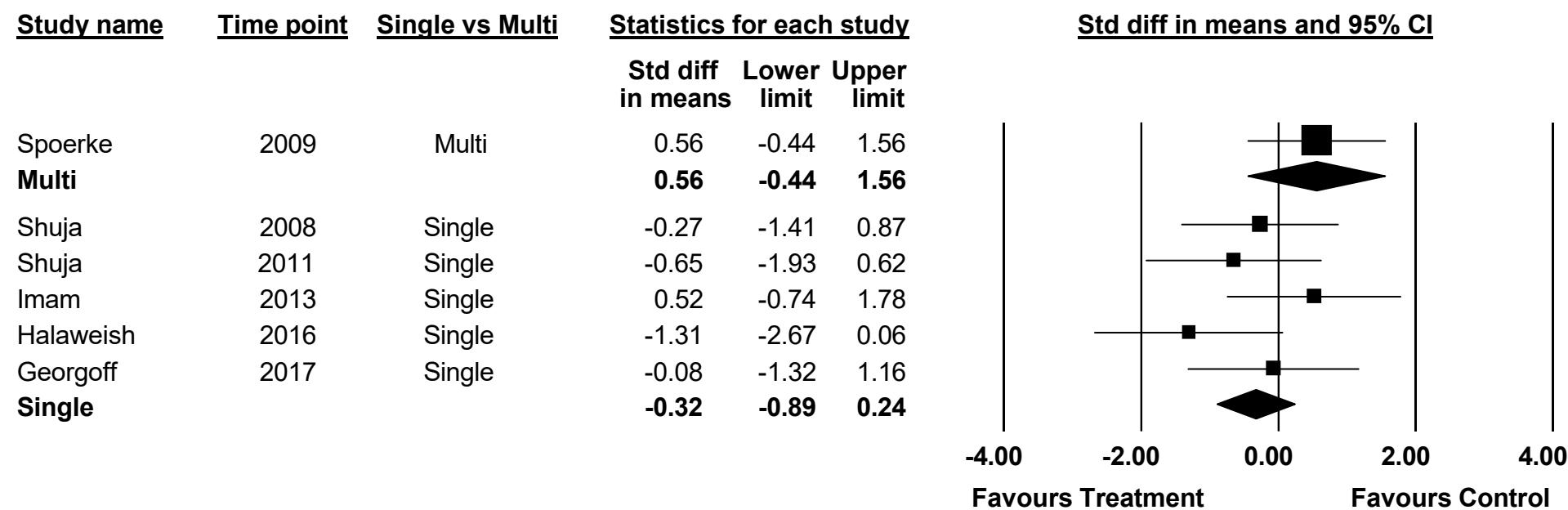


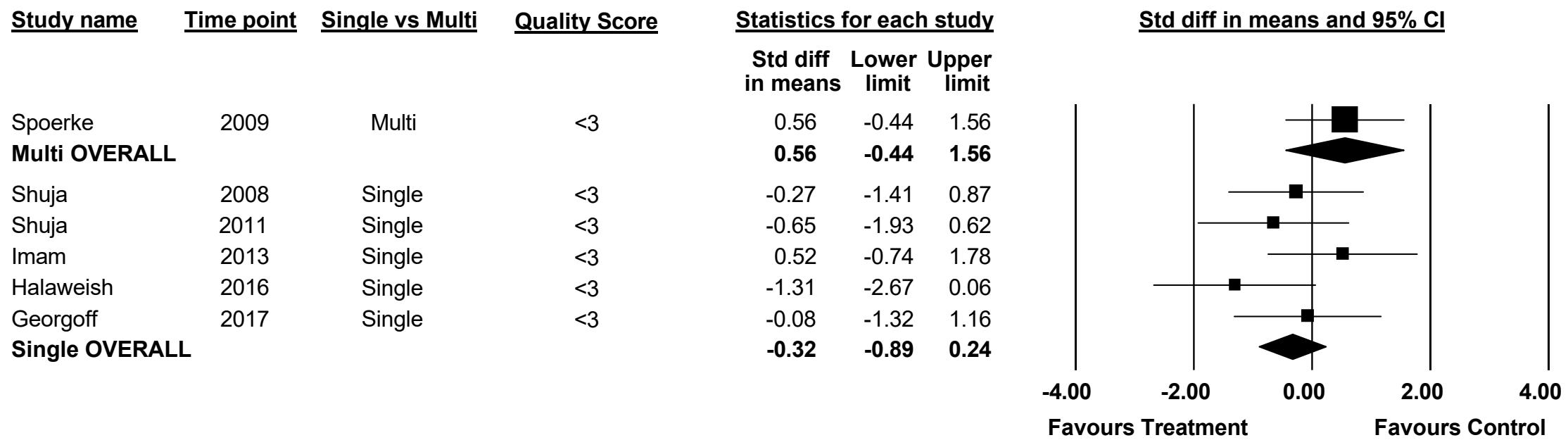
Forest plot showing the standard difference in means and 95% CI for each study, comparing Treatment and Control. The x-axis ranges from -8.00 to 8.00. A vertical line at 0.00 indicates no difference. Most studies show a negative difference, favoring Treatment, with one study (Reimer) showing a positive difference favoring Control. The overall 'Multi OVERALL' and 'Single OVERALL' estimates are near zero.

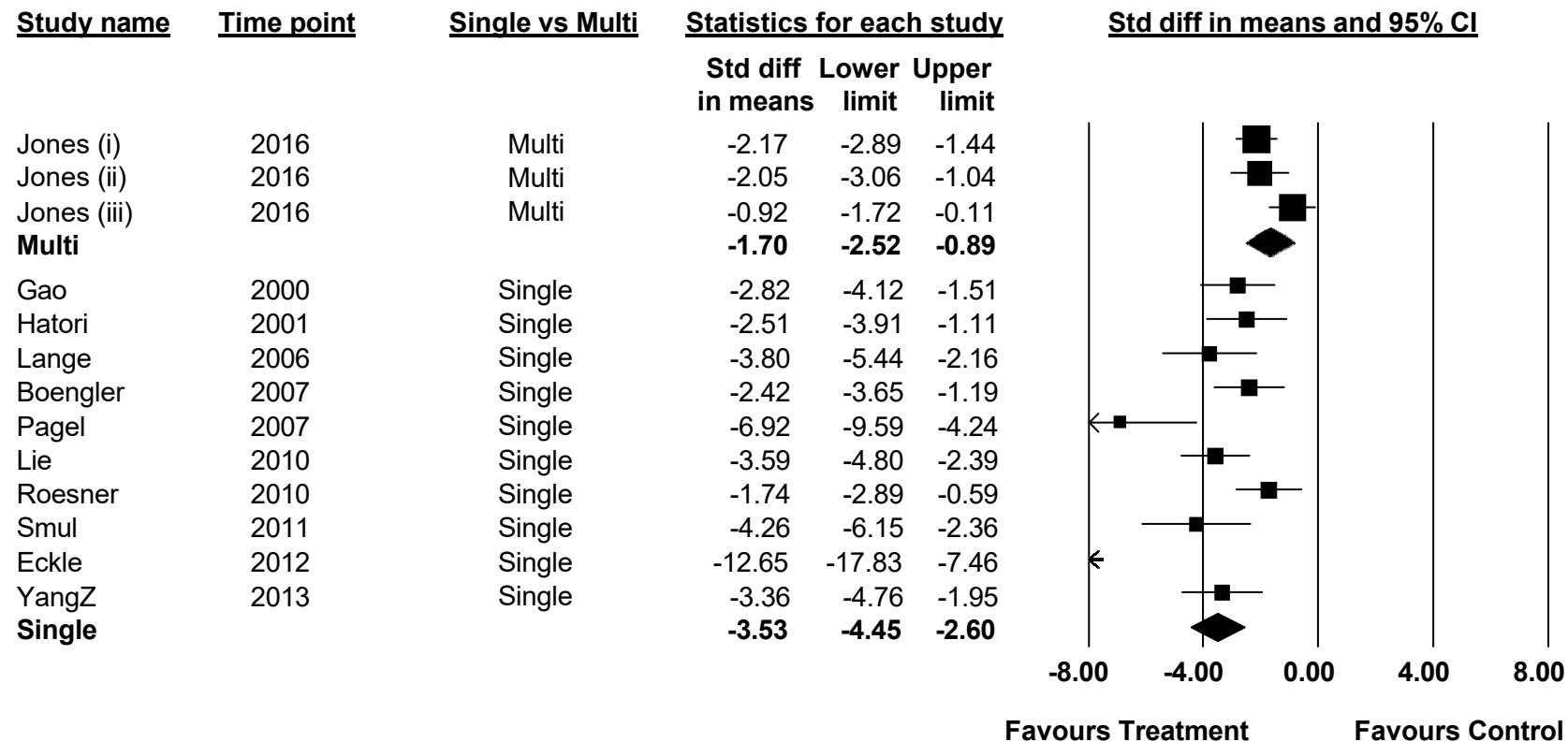
Study name	Time point	Single vs Multi	Quality Score	Statistics for each study			Std diff in means and 95% CI		
				Std diff in means	Lower limit	Upper limit	Std diff in means	Lower limit	Upper limit
Reimer	1985	Multi	<3	-0.08	-0.70	0.53	-0.08	-0.70	0.53
Multi OVERALL									
Jugdut (a)	1980	Single	<3	-1.41	-2.26	-0.55	-1.41	-2.26	-0.55
Romson (a)	1980	Single	<3	-2.65	-4.35	-0.95	-2.65	-4.35	-0.95
Jugdut (b)	1981	Single	<3	-1.15	-1.84	-0.45	-1.15	-1.84	-0.45
Darsee	1981	Single	<3	-1.70	-2.85	-0.55	-1.70	-2.85	-0.55
Romson (b)	1982	Single	<3	-1.24	-2.13	-0.35	-1.24	-2.13	-0.35
Kirlin	1982	Single	<3	-0.43	-1.46	0.59	-0.43	-1.46	0.59
Brown	1983	Single	<3	0.92	0.01	1.82	0.92	0.01	1.82
Flynn	1984	Single	<3	-1.00	-1.68	-0.33	-1.00	-1.68	-0.33
Jugdut (c)	1985	Single	<3	-0.79	-1.47	-0.12	-0.79	-1.47	-0.12
Allan	1985	Single	<3	1.28	0.23	2.32	1.28	0.23	2.32
Single OVERALL				-0.76	-1.36	-0.16	-0.76	-1.36	-0.16

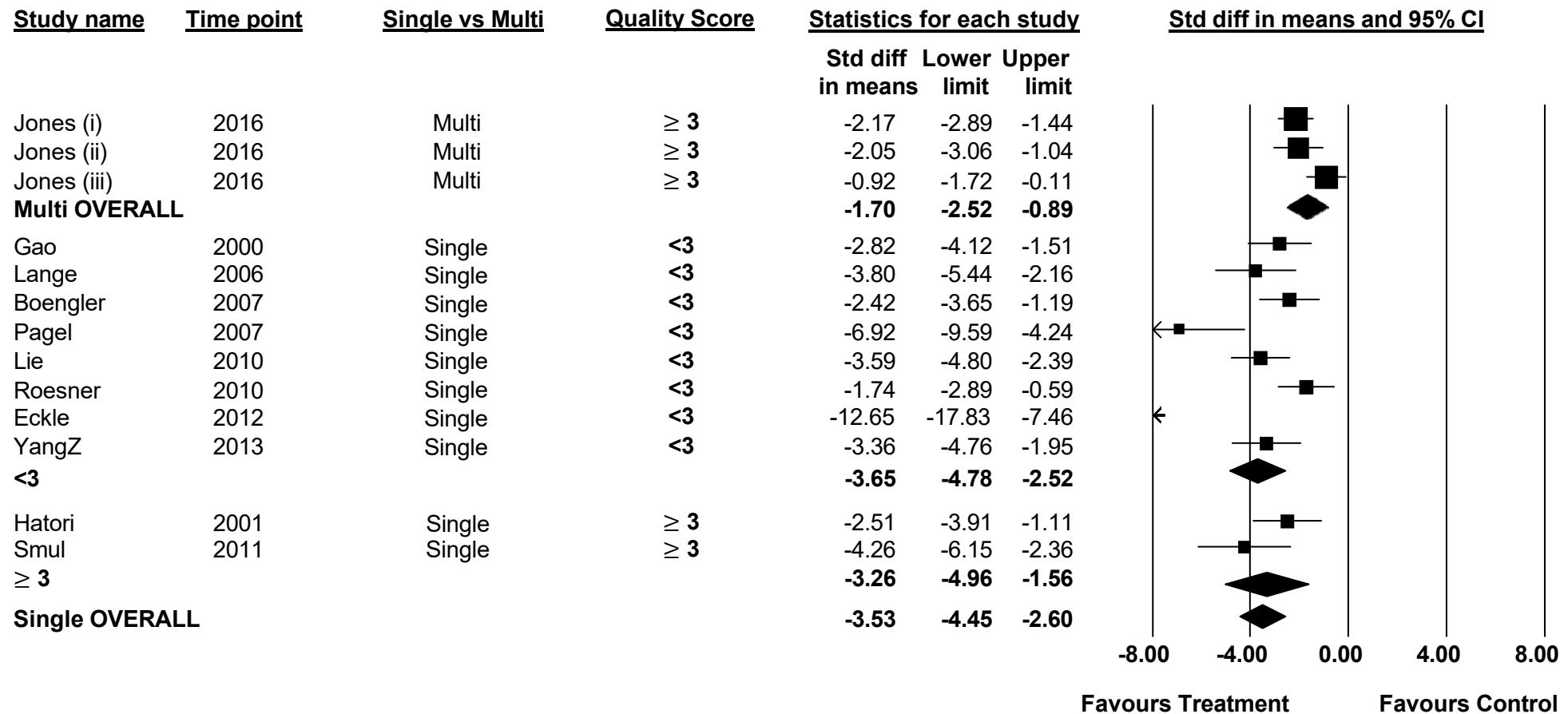


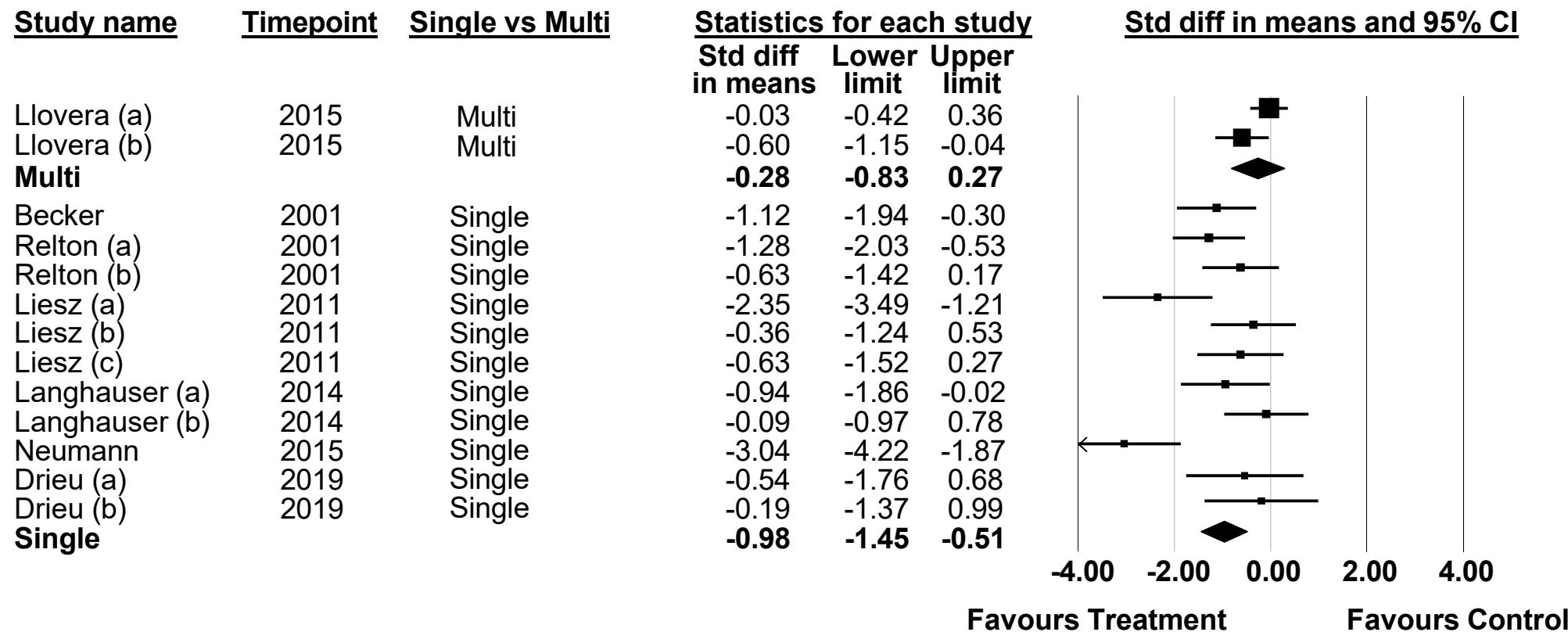






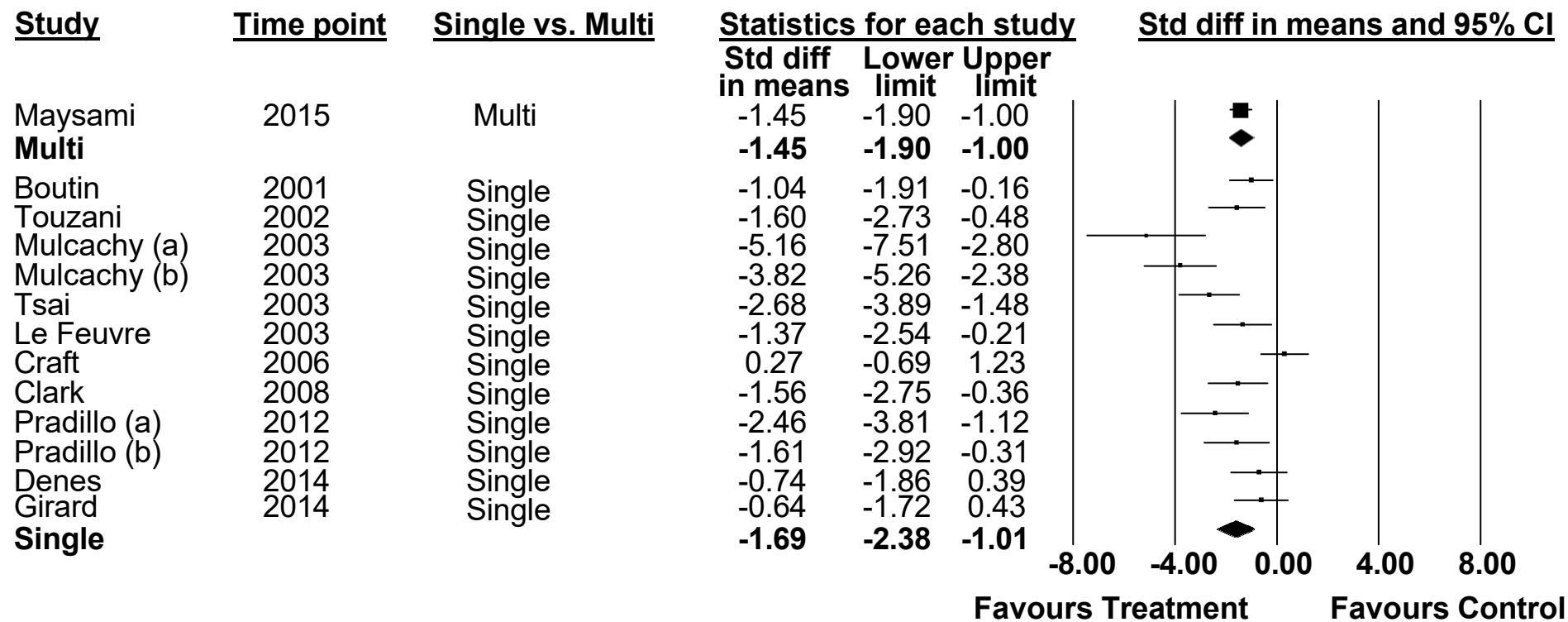


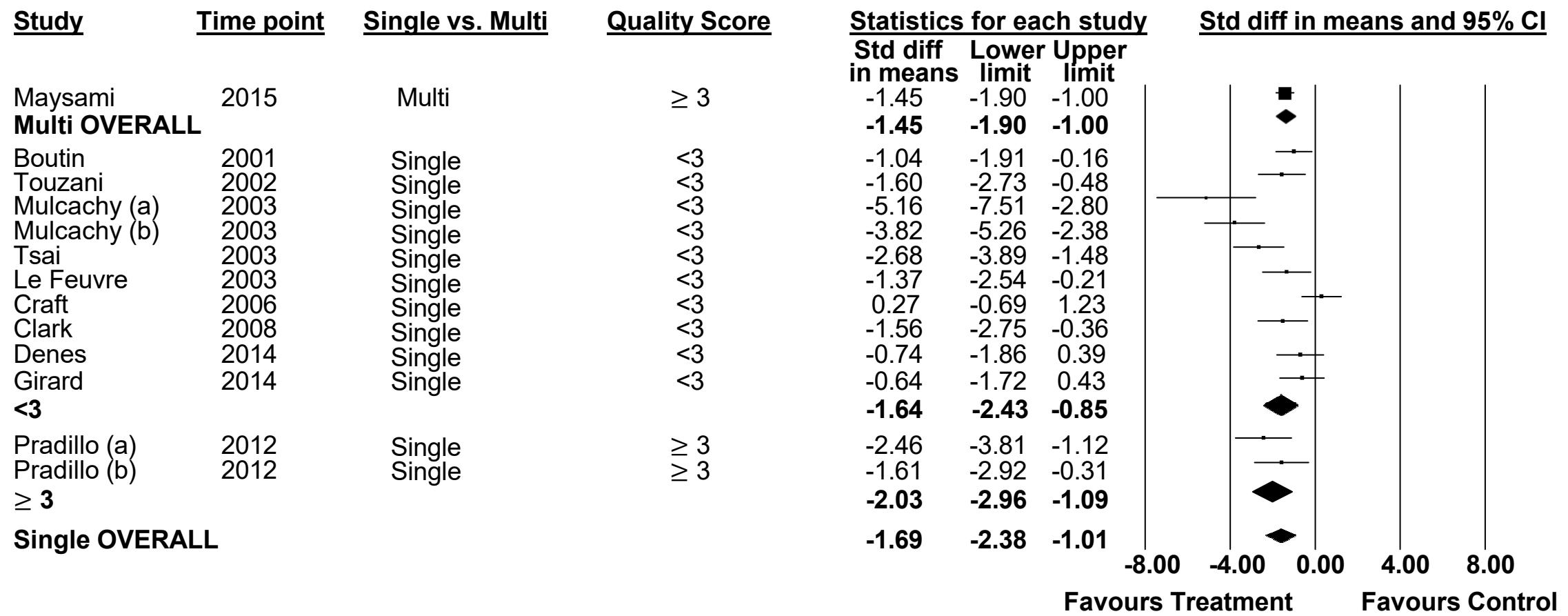


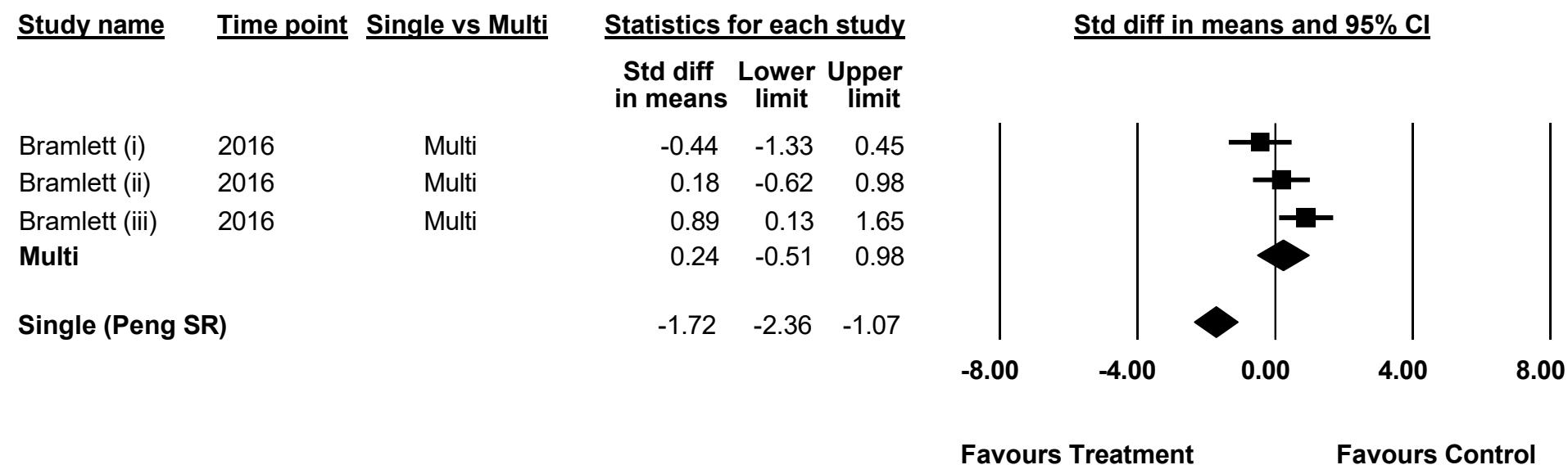


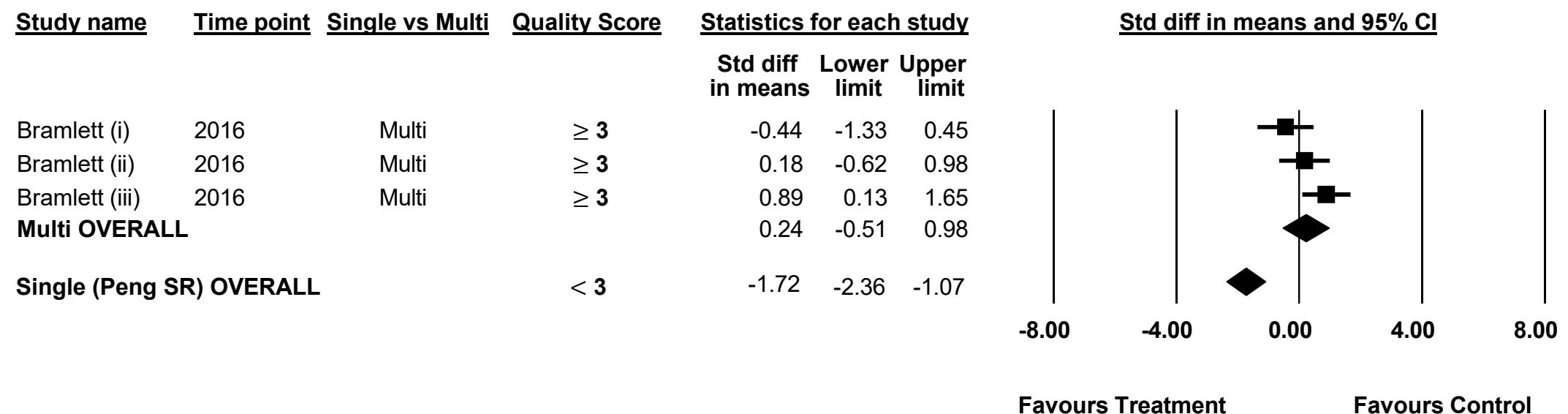
Forest plot showing the effect of treatment on Favours Treatment vs Favours Control. The x-axis ranges from -4.00 to 4.00. Individual study estimates are shown as squares with horizontal error bars for 95% CIs. A diamond represents the overall effect size for each group (Multi and Single).

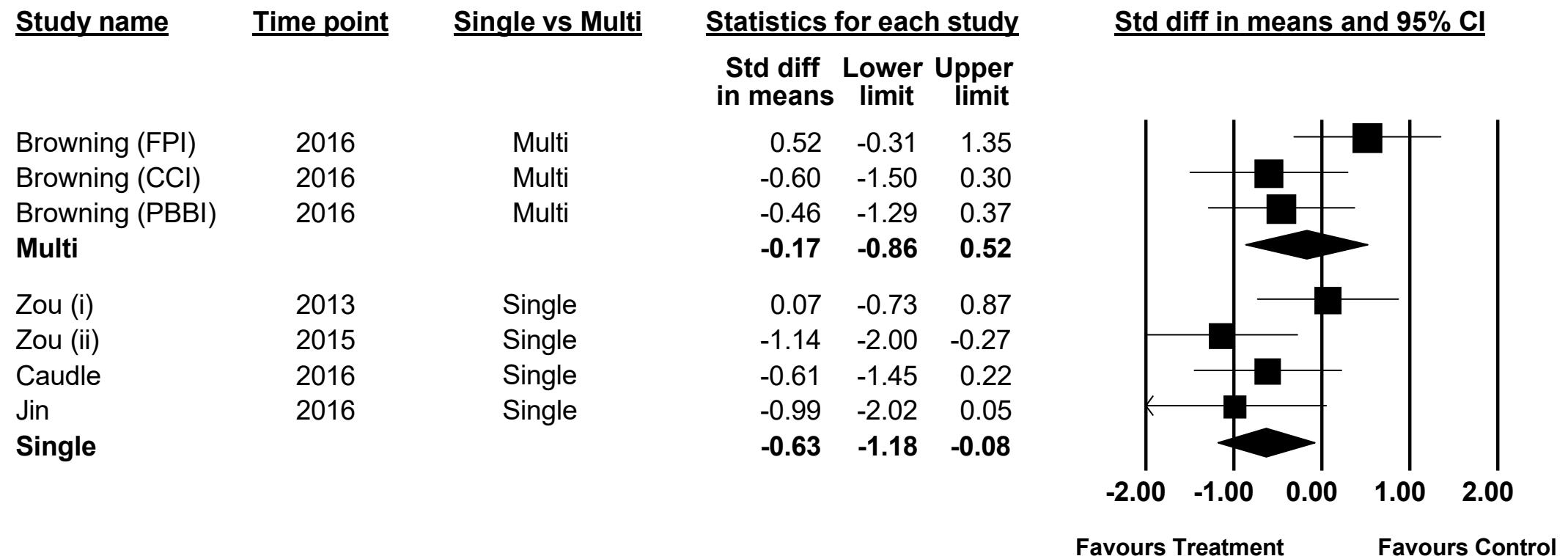
Study name	Timepoint	Single vs Multi	Quality Score	Statistics for each study	Std diff in means and 95% CI			
				Std diff in means	Lower limit	Upper limit		
Llovera (a)	2015	Multi	≥ 3	-0.03	-0.42	0.36		
Llovera (b)	2015	Multi	≥ 3	-0.60	-1.15	-0.04		
Multi OVERALL				-0.28	-0.83	0.27		
Becker	2001	Single	<3	-1.12	-1.94	-0.30		
Relton (a)	2001	Single	<3	-1.28	-2.03	-0.53		
Relton (b)	2001	Single	<3	-0.63	-1.42	0.17		
Liesz (a)	2011	Single	<3	-2.35	-3.49	-1.21		
Liesz (b)	2011	Single	<3	-0.36	-1.24	0.53		
Liesz (c)	2011	Single	<3	-0.63	-1.52	0.27		
Neumann	2015	Single	<3	-3.04	-4.22	-1.87		
Drieu (a)	2019	Single	<3	-0.54	-1.76	0.68		
Drieu (b)	2019	Single	<3	-0.19	-1.37	0.99		
<3				-1.06	-1.60	-0.52		
Langhauser (a)	2014	Single	≥ 3	-0.94	-1.86	-0.02		
Langhauser (b)	2014	Single	≥ 3	-0.09	-0.97	0.78		
≥ 3				-0.41	-1.42	0.60		
Single OVERALL				-0.98	-1.45	-0.51		

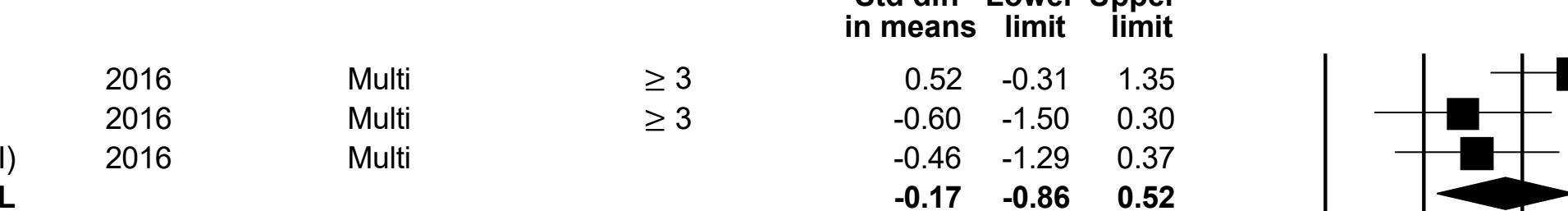
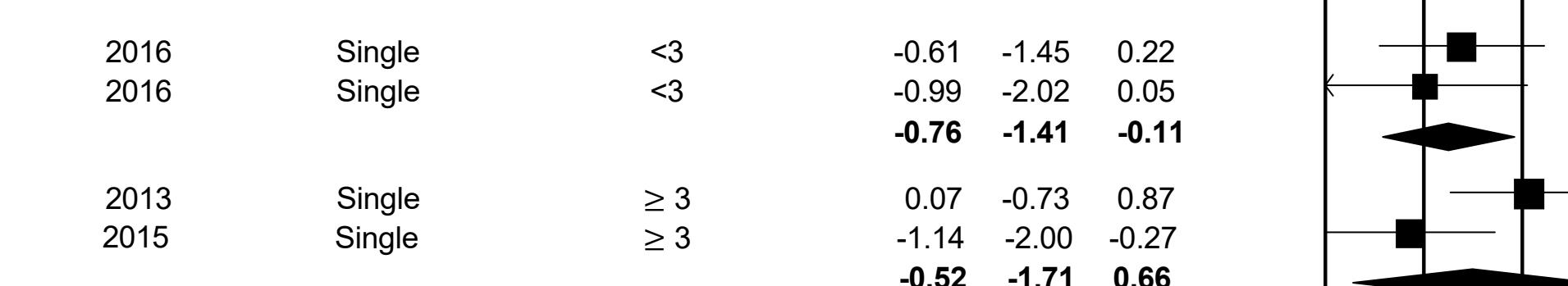


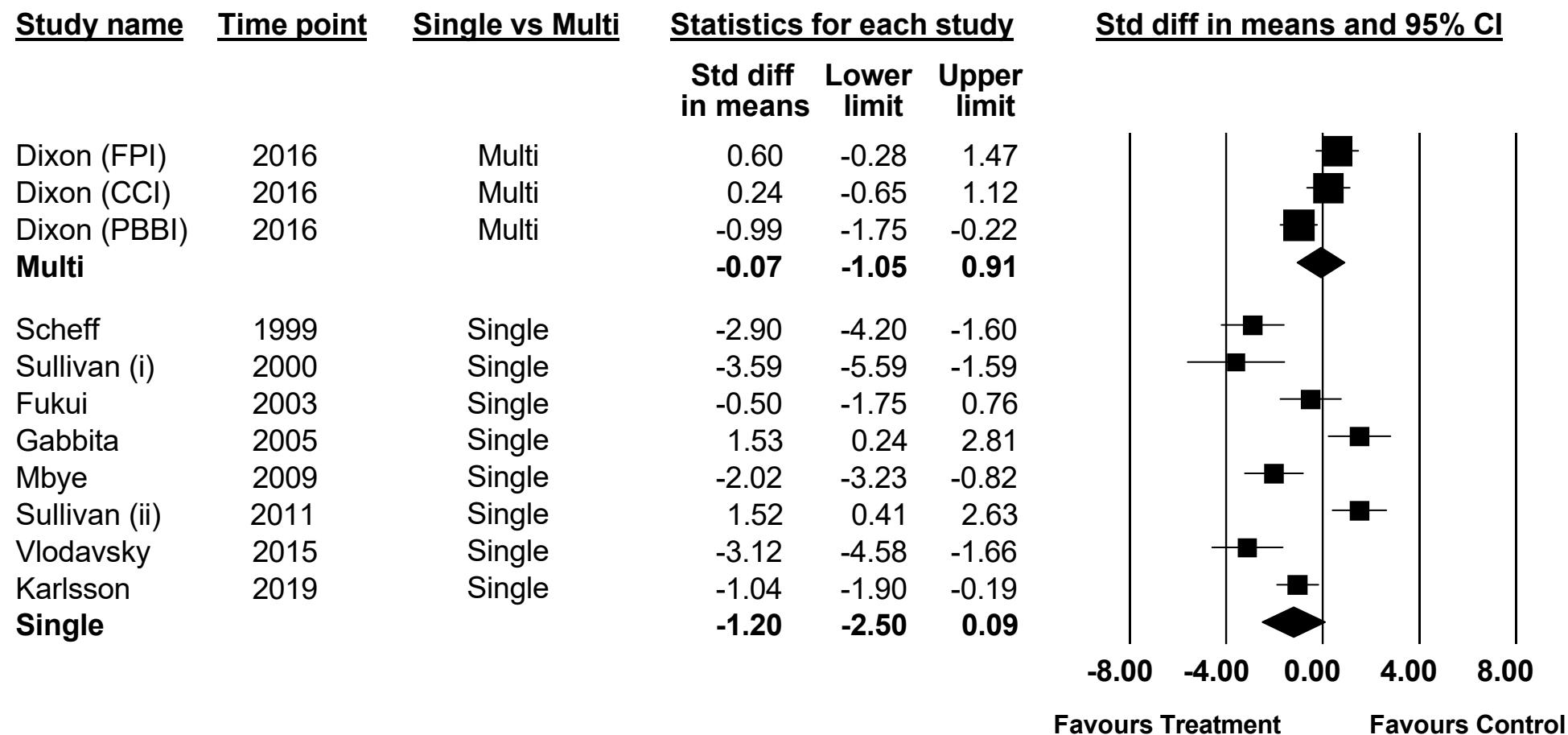


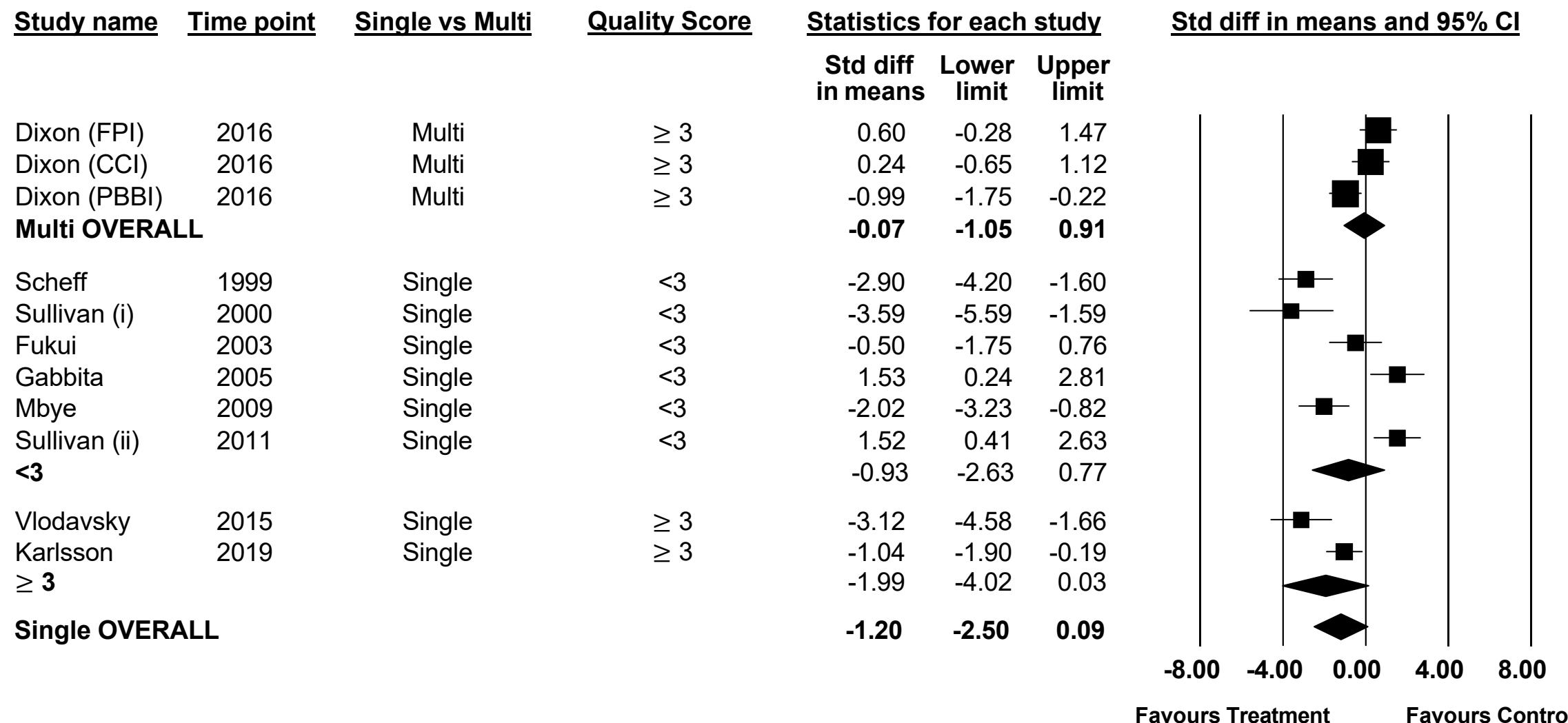


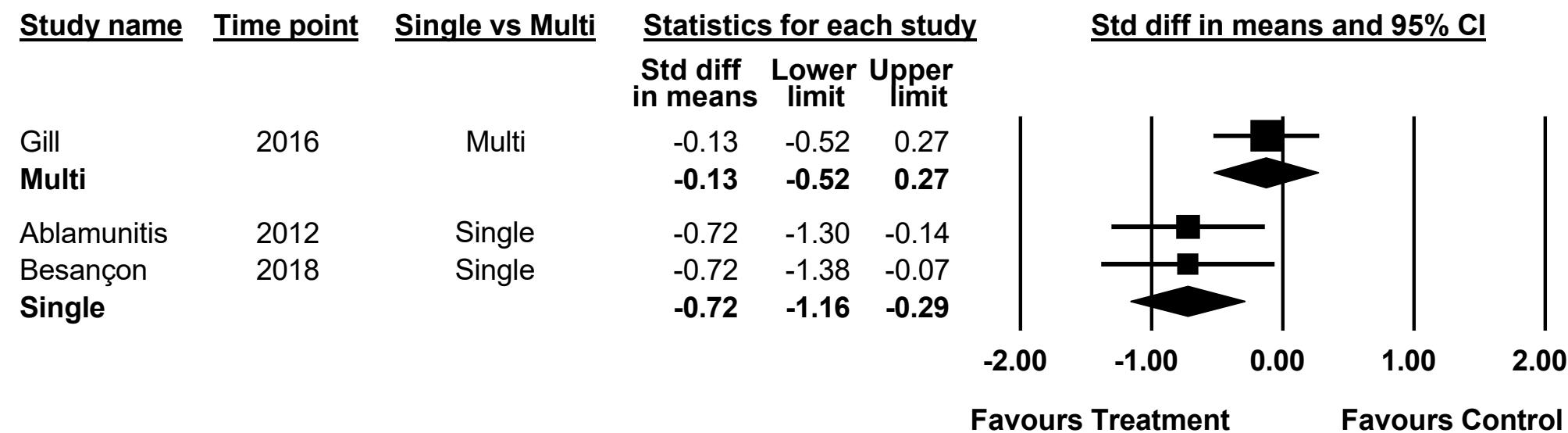


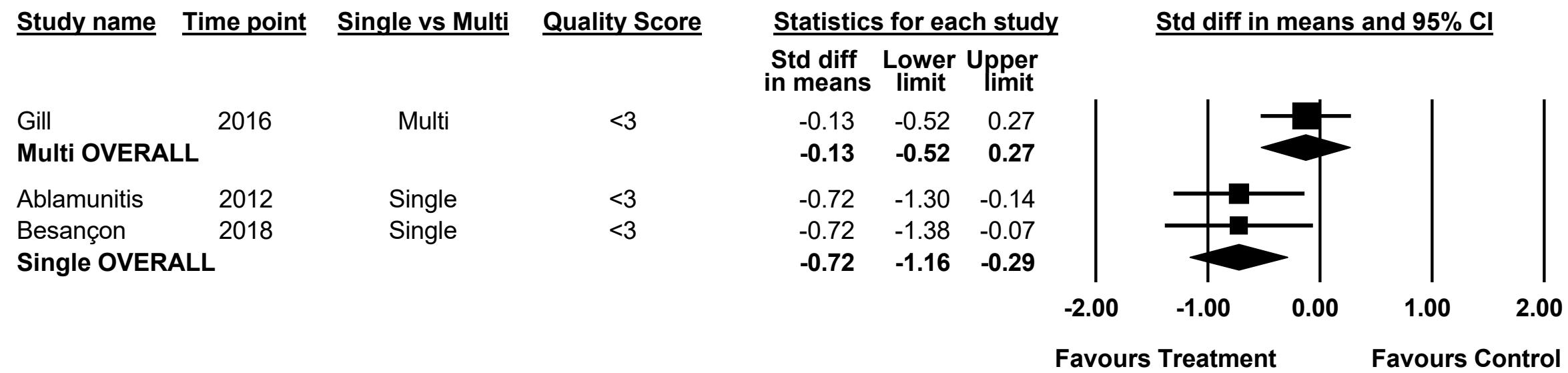


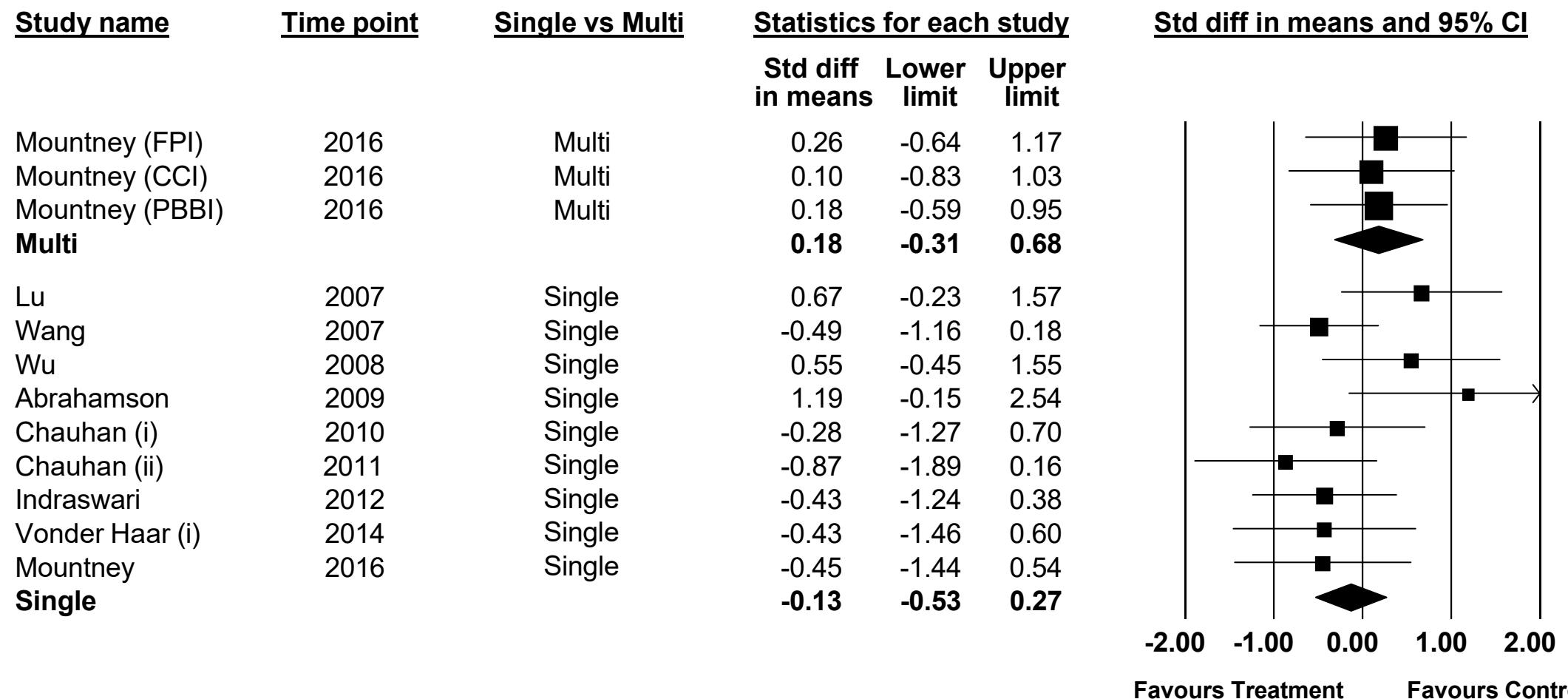
<u>Study name</u>	<u>Time point</u>	<u>Single vs Multi</u>	<u>Quality Score</u>	<u>Statistics for each study</u>			<u>Std diff in means and 95% CI</u>
				Std diff in means	Lower limit	Upper limit	
Browning (FPI)	2016	Multi	≥ 3	0.52	-0.31	1.35	
Browning (CCI)	2016	Multi	≥ 3	-0.60	-1.50	0.30	
Browning (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	

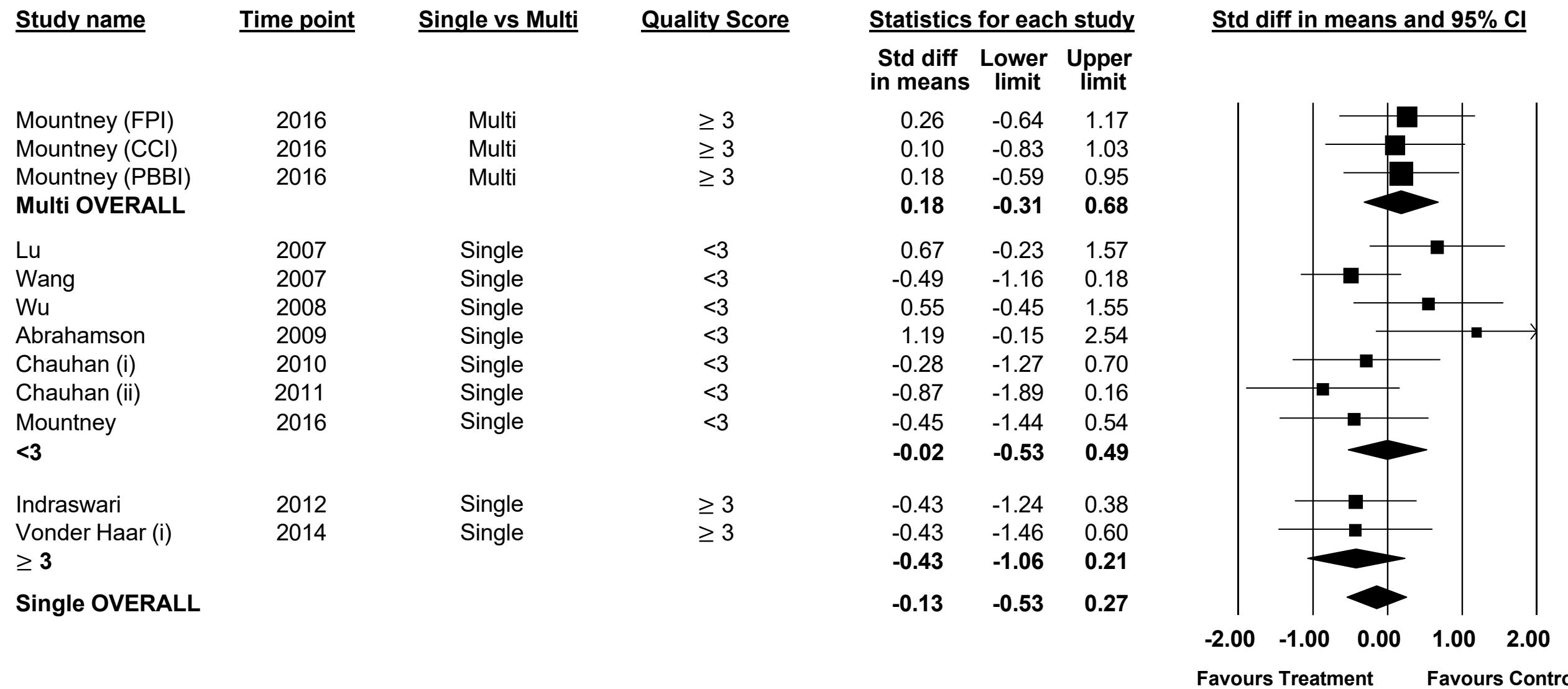


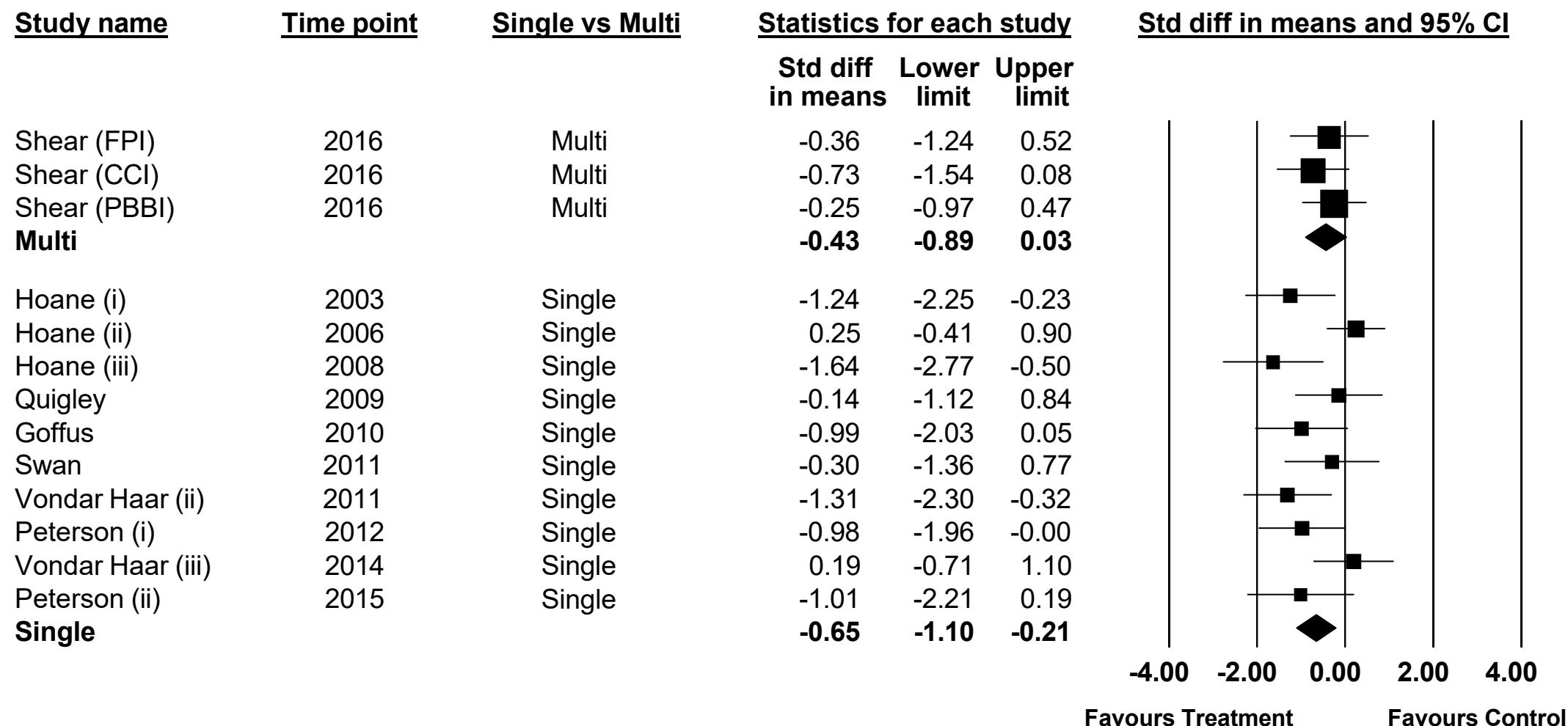


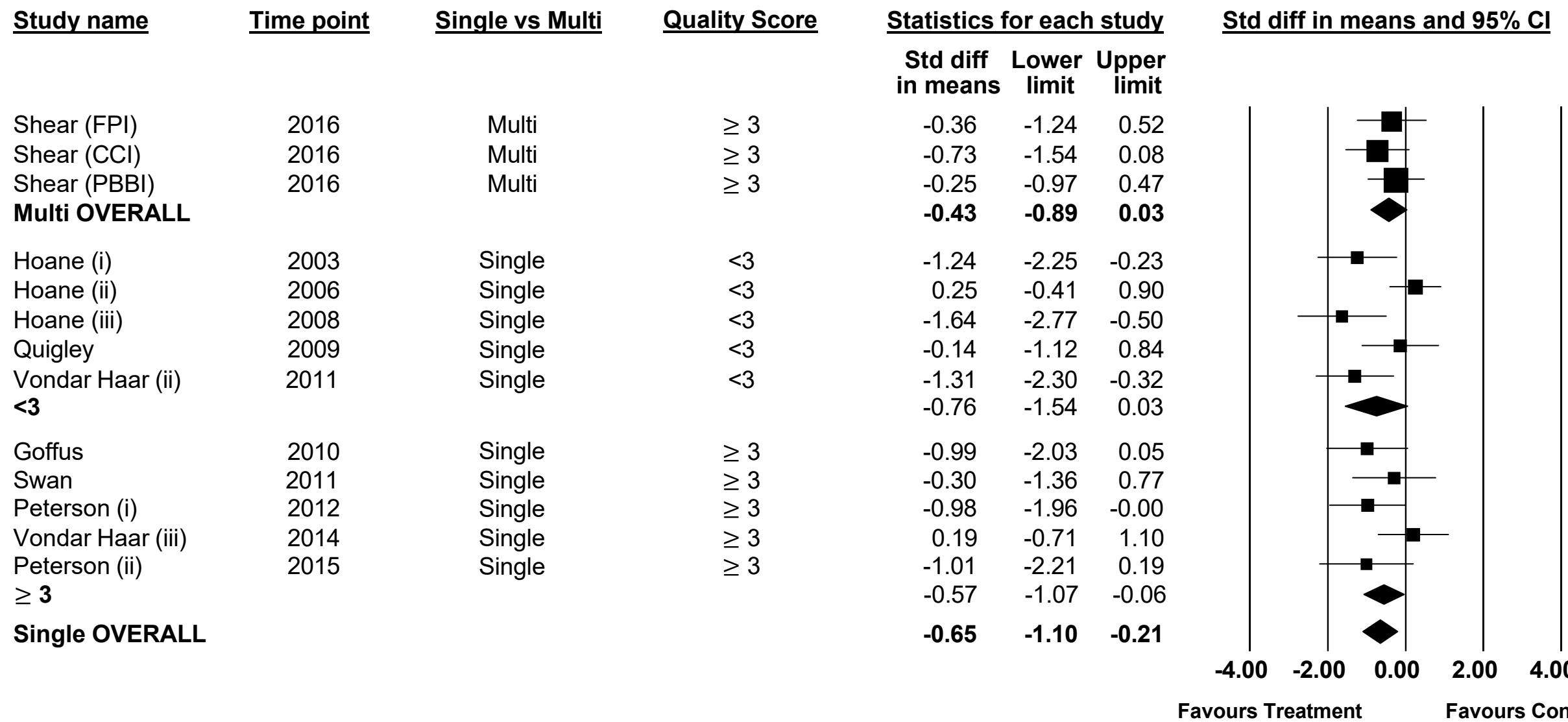












Forest plot showing the standard difference in means and 95% CI for each study and overall effect size. The x-axis represents the standard difference in means, ranging from -4.00 to 4.00. The y-axis lists the studies. Individual study estimates are shown as squares with horizontal error bars for the 95% CI. The overall effect size is shown as a diamond at the bottom.

<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>
Arroyo-Araujo Multi	2019	Multi	Std diff	-1.15 -1.15
			Lower limit	
Silverman (i)	2010	Single	Std diff	-1.73 -1.24
			Lower limit	
Burket	2011	Single	Std diff	2.15 -1.13
			Lower limit	
Mehta	2011	Single	Std diff	-1.13 -1.24
			Lower limit	
Silverman (ii)	2012	Single	Std diff	-1.24 -2.03
			Lower limit	
Aguilar-Valles	2015	Single	Std diff	-2.03 -0.96
			Lower limit	
Modi Single	2018	Single	Std diff	-0.96 -0.84
			Lower limit	
			Std diff	-1.65
			Lower limit	-1.92
			Upper limit	0.24

