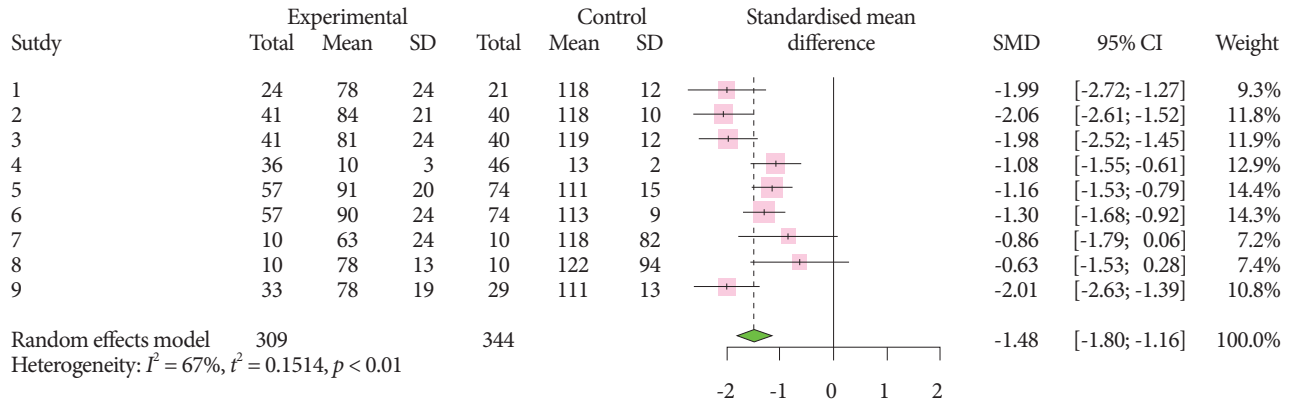
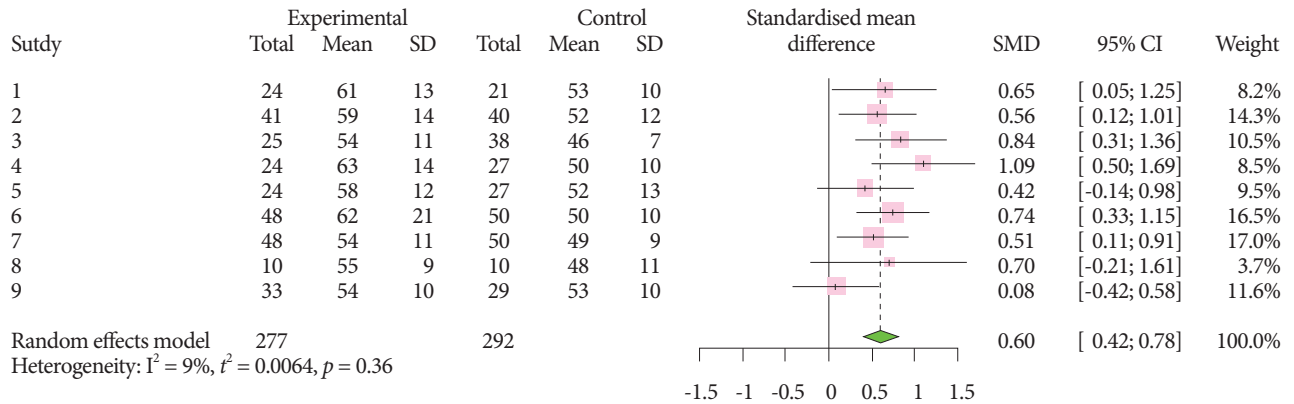


Appendix 2. Forest plot of meta-analysis

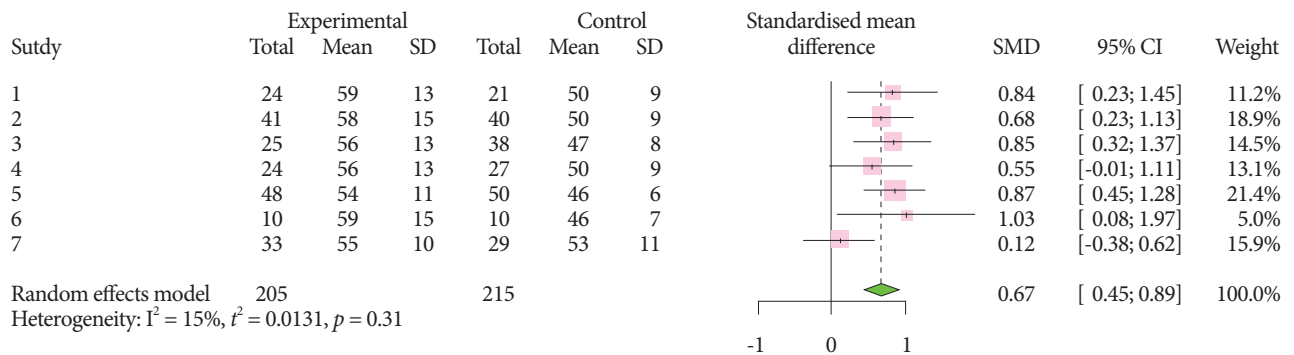
Language ability



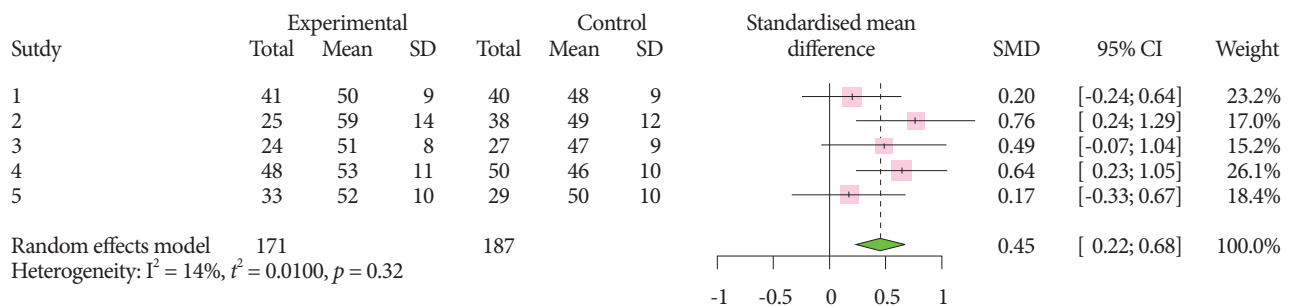
Working memory



Inhibition



Shift



Appendix 2. Continued

Plan/organize

Study	Experimental			Total	Control			Standardised mean difference	SMD	95% CI	Weight
	Total	Mean	SD		Total	Mean	SD				
1	24	53	12	21	49	10		0.34	[-0.25; 0.93]	16.8%	
2	25	53	11	38	46	8		0.77	[0.25; 1.29]	19.3%	
3	24	50	11	27	49	11		0.09	[-0.46; 0.64]	18.3%	
4	48	52	11	50	49	9		0.33	[-0.07; 0.72]	25.3%	
5	33	52	8	29	54	9		-0.20	[-0.70; 0.30]	20.3%	
Random effects model	154			165				0.27	[-0.04; 0.57]	100.0%	
Heterogeneity: $I^2 = 46\%$, $t^2 = 0.0560$, $p = 0.12$											

Emotion control

Study	Experimental			Total	Control			Standardised mean difference	SMD	95% CI	Weight
	Total	Mean	SD		Total	Mean	SD				
1	25	56	14	38	48	11		0.60	[0.08; 1.11]	27.3%	
2	48	52	12	50	46	9		0.54	[0.14; 0.94]	43.6%	
3	33	52	11	29	51	12		0.13	[-0.37; 0.63]	29.1%	
Random effects model	106			117				0.44	[0.16; 0.71]	100.0%	
Heterogeneity: $I^2 = 5\%$, $t^2 = 0.0029$, $p = 0.35$											

Sustained sequential processing

Study	Experimental			Total	Control			Standardised mean difference	SMD	95% CI	Weight
	Total	Mean	SD		Total	Mean	SD				
1	24	60	16	27	50	10		0.71	[0.15; 1.28]	34.2%	
2	48	59	15	50	50	10		0.73	[0.32; 1.14]	65.8%	
Random effects model	72			77				0.72	[0.39; 1.05]	100.0%	
Heterogeneity: $I^2 = 0\%$, $t^2 = 0$, $p = 0.97$											

Attention

Study	Experimental			Total	Control			Standardised mean difference	SMD	95% CI	Weight
	Total	Mean	SD		Total	Mean	SD				
1	24	57	10	27	50	10		0.71	[0.14; 1.28]	31.8%	
2	48	64	20	50	50	10		0.90	[0.48; 1.31]	35.0%	
3	33	3	3	29	4	3		-0.25	[-0.76; 0.25]	33.2%	
Random effects model	105			106				0.45	[-0.26; 1.17]	100.0%	
Heterogeneity: $I^2 = 84\%$, $t^2 = 0.3364$, $p < 0.01$											

Visual-spatial organization

Study	Experimental			Total	Control			Standardised mean difference	SMD	95% CI	Weight
	Total	Mean	SD		Total	Mean	SD				
1	24	54	14	27	50	10		0.30	[-0.25; 0.86]	33.9%	
2	48	51	9	50	50	10		0.11	[-0.29; 0.50]	66.1%	
Random effects model	72			77				0.17	[-0.15; 0.50]	100.0%	
Heterogeneity: $I^2 = 0\%$, $t^2 = 0$, $p = 0.57$											

SD: standard deviation, SMD: standardised mean difference, CI: confidence interval