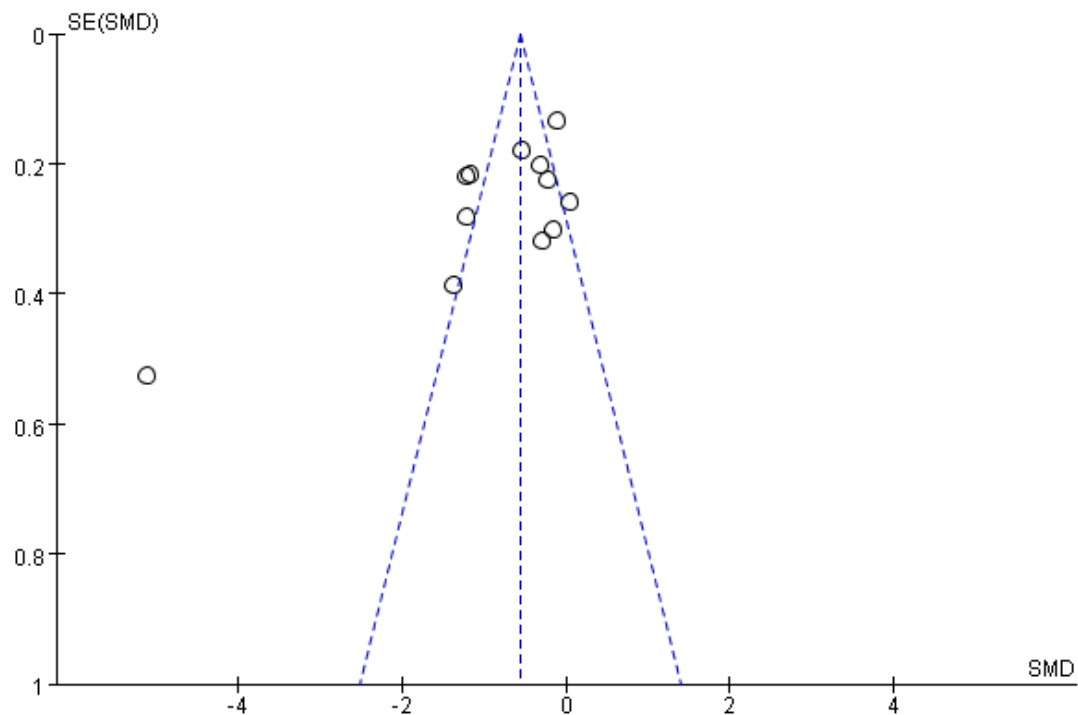
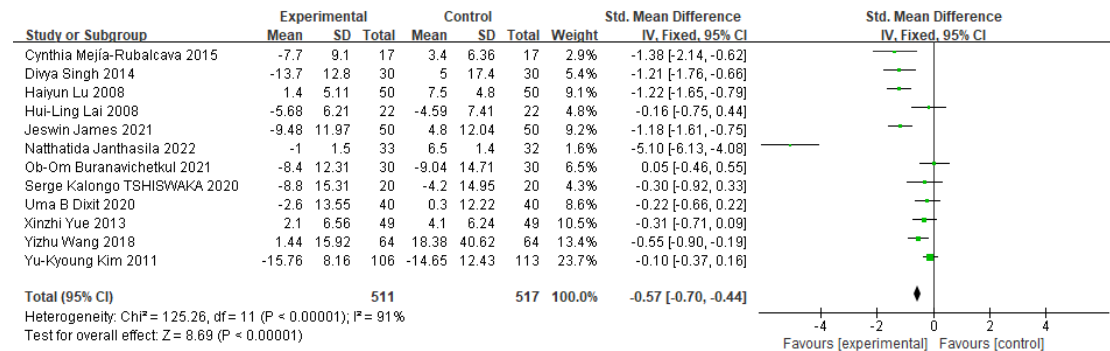


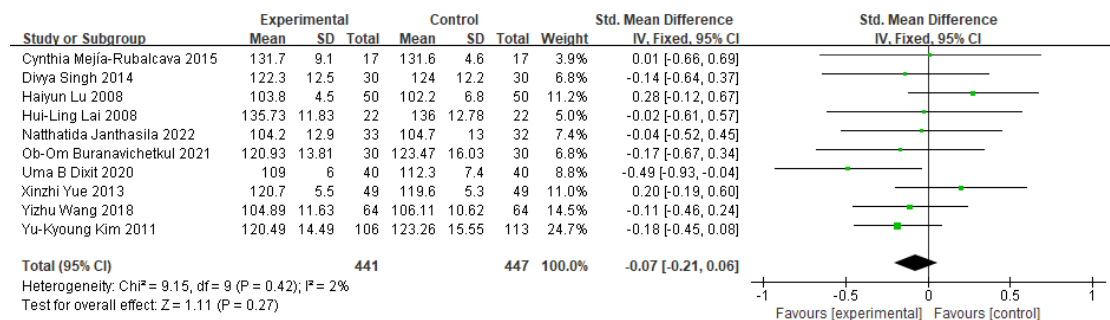
1. Heart Rate (HR)

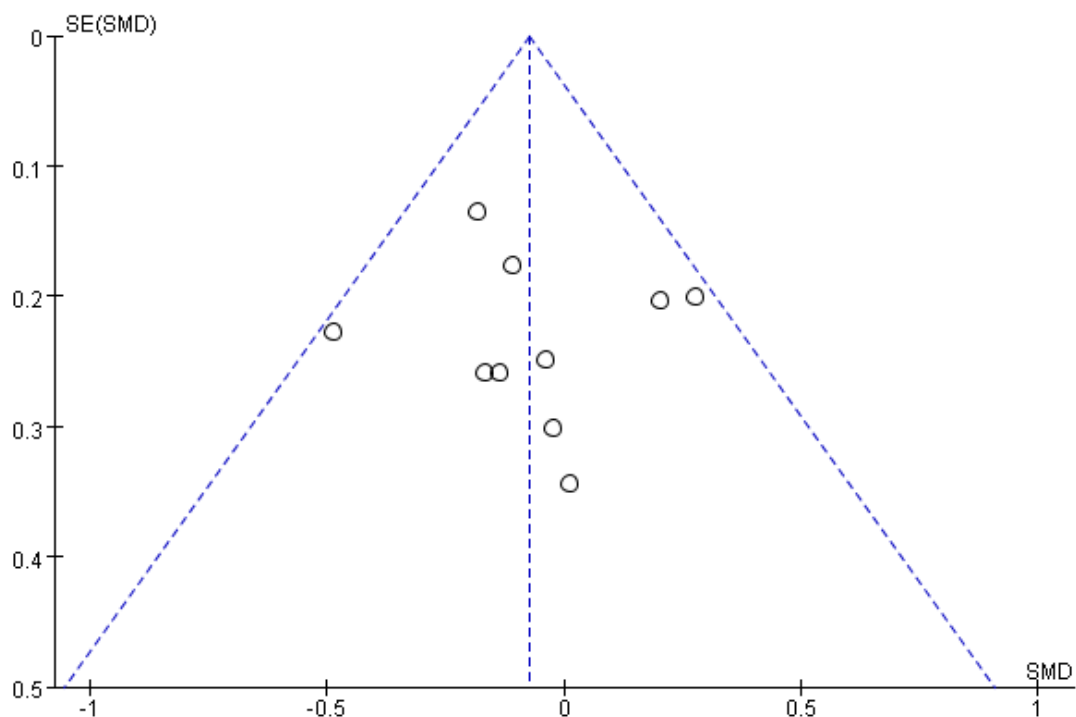
1.1 HR Change



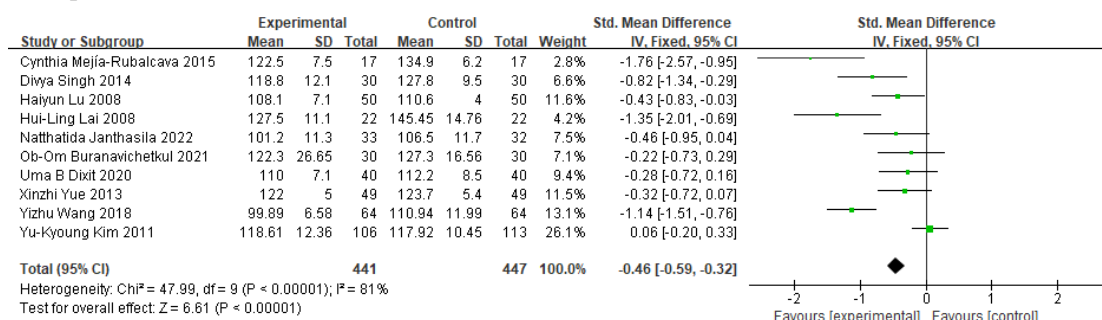
2. Systolic Blood Pressure (SBP)

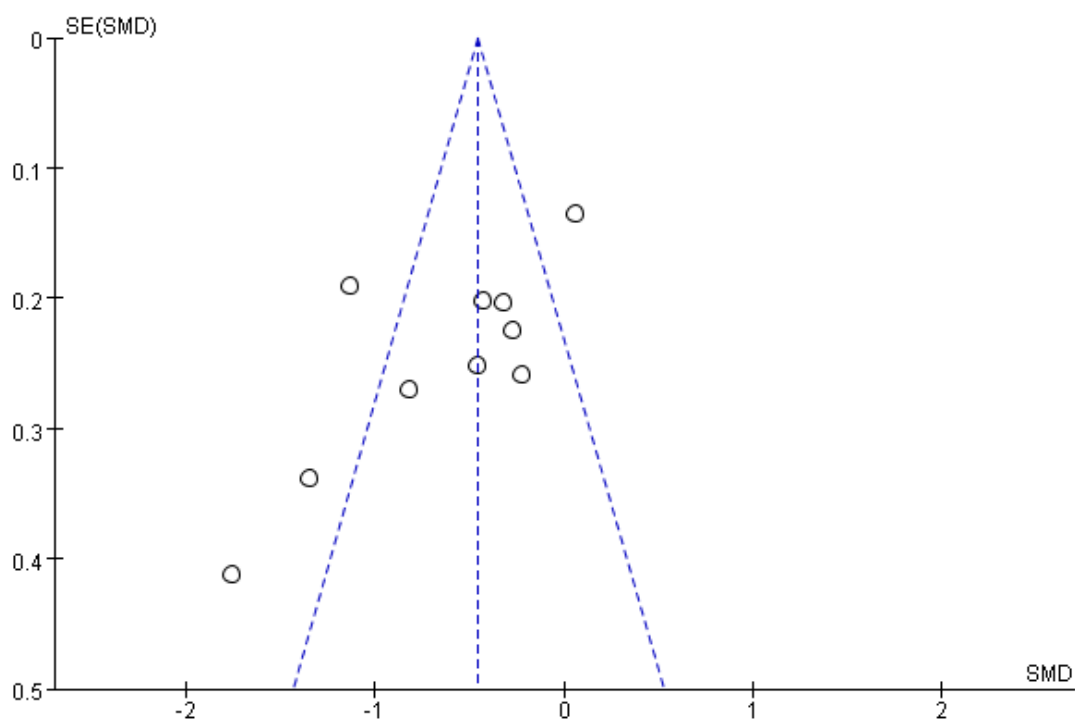
2.1 Preoperative SBP
















2.2 Postoperative SBP

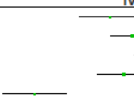




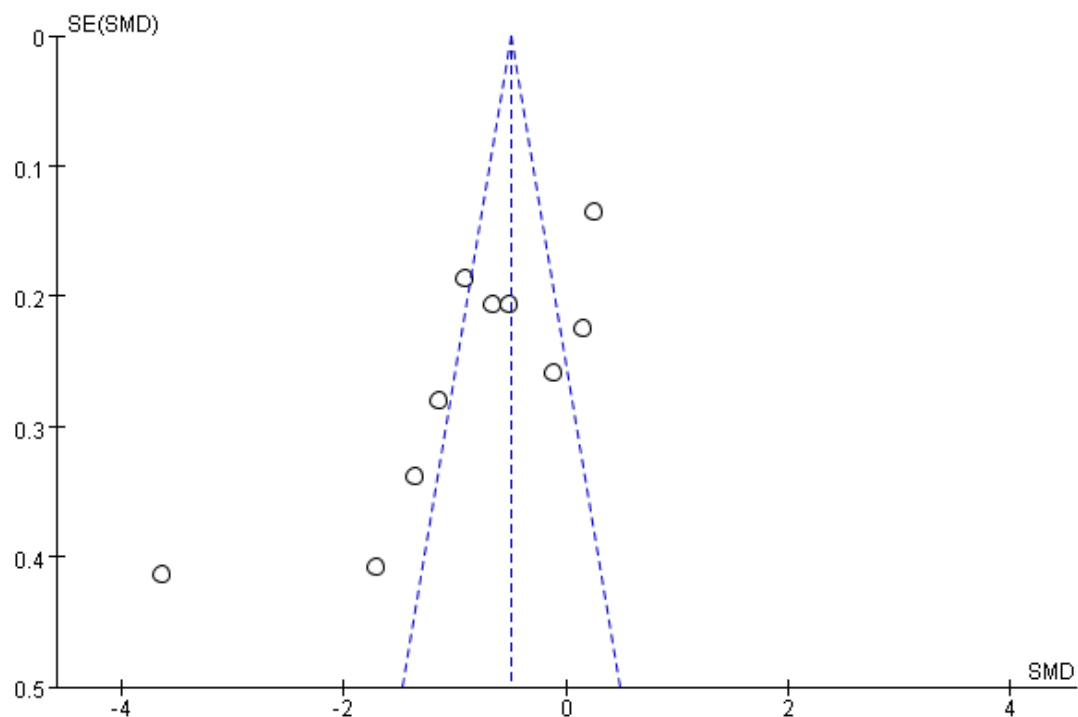
2.3 SBP Change

Study or Subgroup	Experimental			Control			Weight	Std. Mean Difference	Std. Mean Difference
	Mean	SD	Total	Mean	SD	Total		IV, Fixed, 95% CI	IV, Fixed, 95% CI
Cynthia Mejía-Rubalcava 2015	-9.2	8.41	17	3.3	5.57	17	3.0%	-1.71 [-2.51, -0.91]	
Diya Singh 2014	-3.4	5.7	30	3.8	6.7	30	6.4%	-1.14 [-1.69, -0.59]	
Haiyun Lu 2008	4.3	6.22	50	8.4	5.92	50	11.9%	-0.67 [-1.07, -0.27]	
Hui-Ling Lai 2008	-8.23	11.48	22	9.45	13.88	22	4.4%	-1.36 [-2.03, -0.70]	
Natthasida Janthasila 2022	-3	1.2	33	1.8	1.4	32	3.0%	-3.64 [-4.45, -2.83]	
Ob-Om Buranavichetkul 2021	1.37	23.08	30	3.83	16.3	30	7.5%	-0.12 [-0.63, 0.39]	
Uma B Dixit 2020	1	6.62	40	-0.1	8.01	40	10.0%	0.15 [-0.29, 0.59]	
Xinzhai Yue 2013	1.3	5.27	49	4.1	5.35	49	11.9%	-0.52 [-0.93, -0.12]	
Yizhu Wang 2018	-5	10.1	64	4.83	11.37	64	14.5%	-0.91 [-1.27, -0.54]	
Yu-Kyoung Kim 2011	-1.88	13.55	106	-5.34	13.73	113	27.3%	0.25 [-0.01, 0.52]	
Total (95% CI)			441			447	100.0%	-0.49 [-0.63, -0.35]	

Heterogeneity: Chi² = 125.41, df = 9 (P < 0.00001); I² = 93%
Test for overall effect: Z = 6.94 (P < 0.00001)

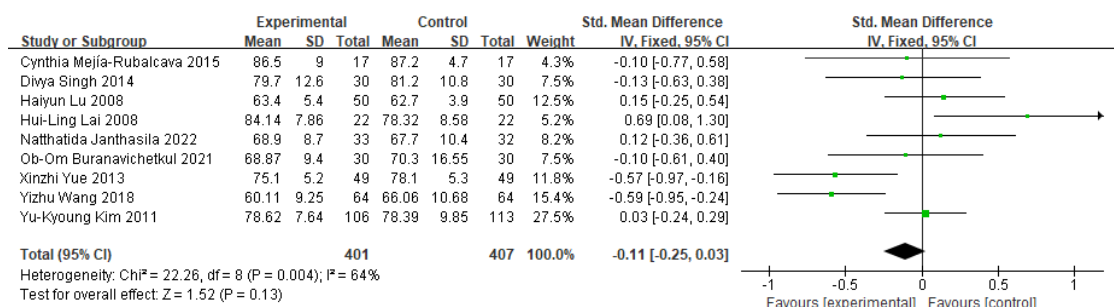


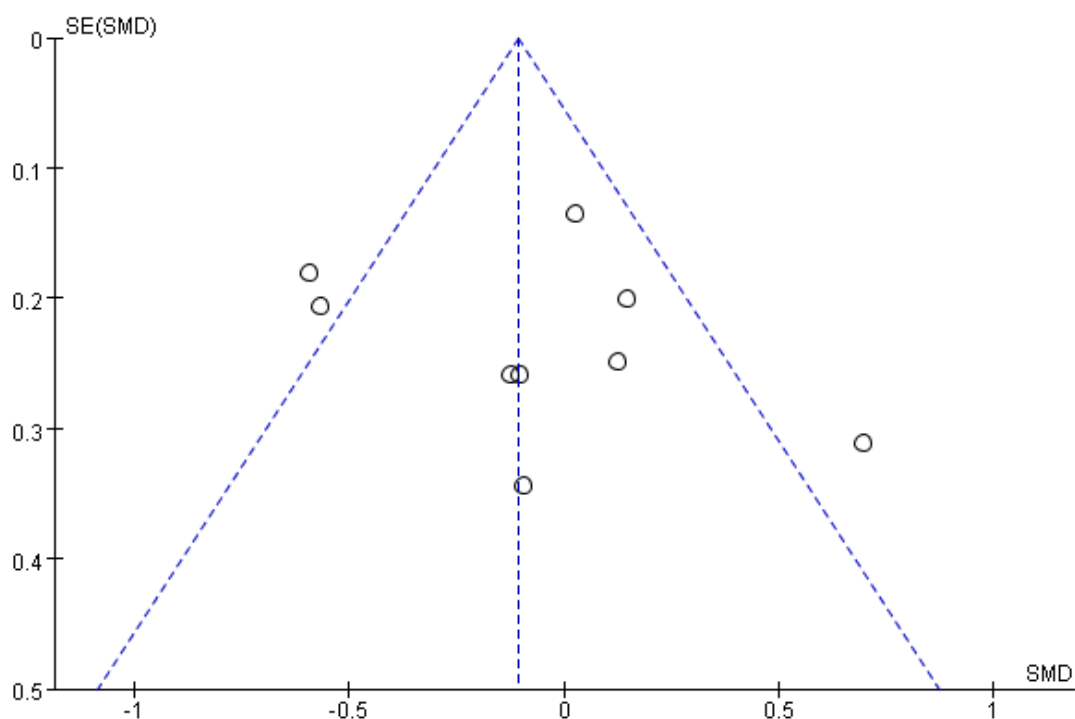
Favours experimental Favours control



3. Diastolic Blood Pressure (DBP)

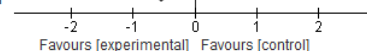
3.1 Preoperative DBP

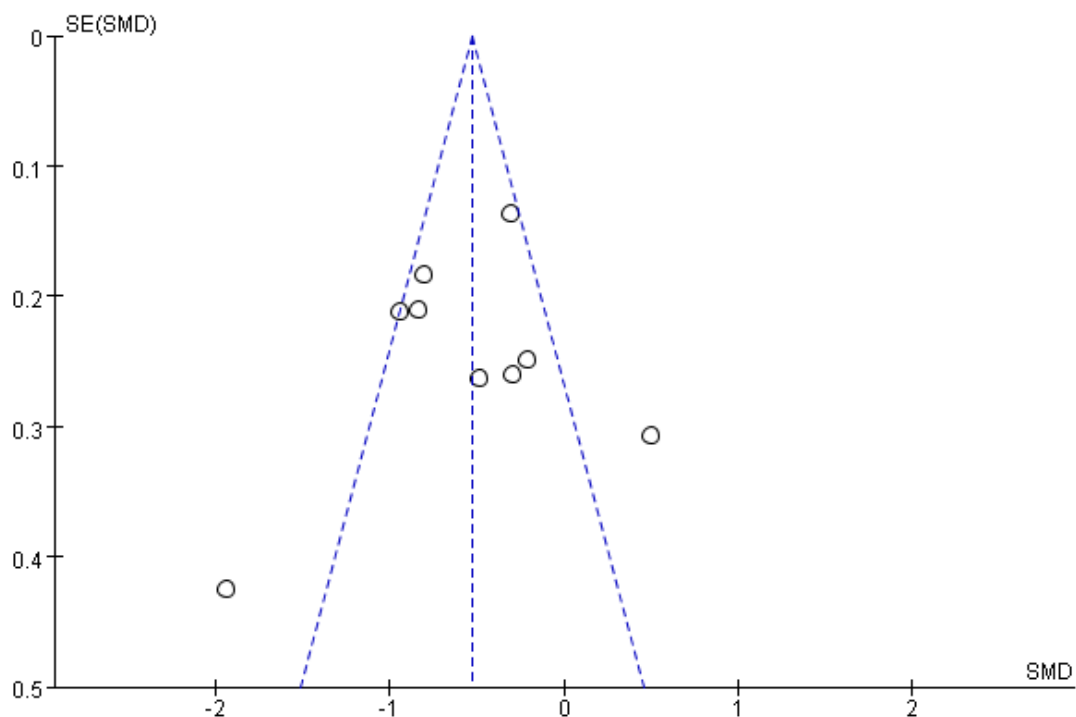




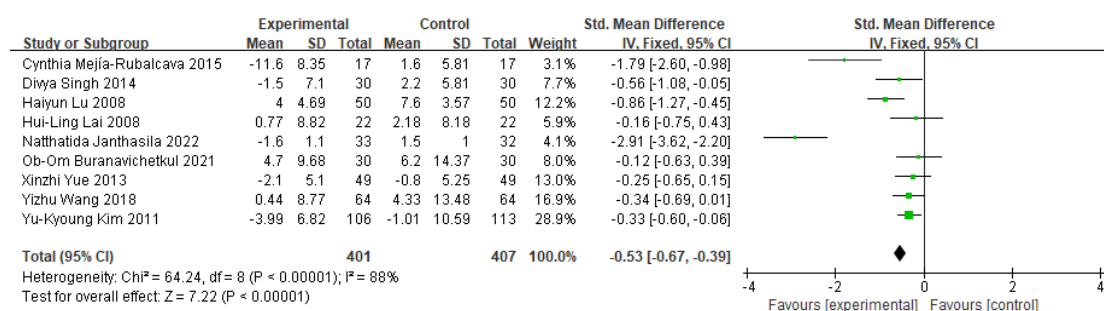
3.2 Postoperative DBP

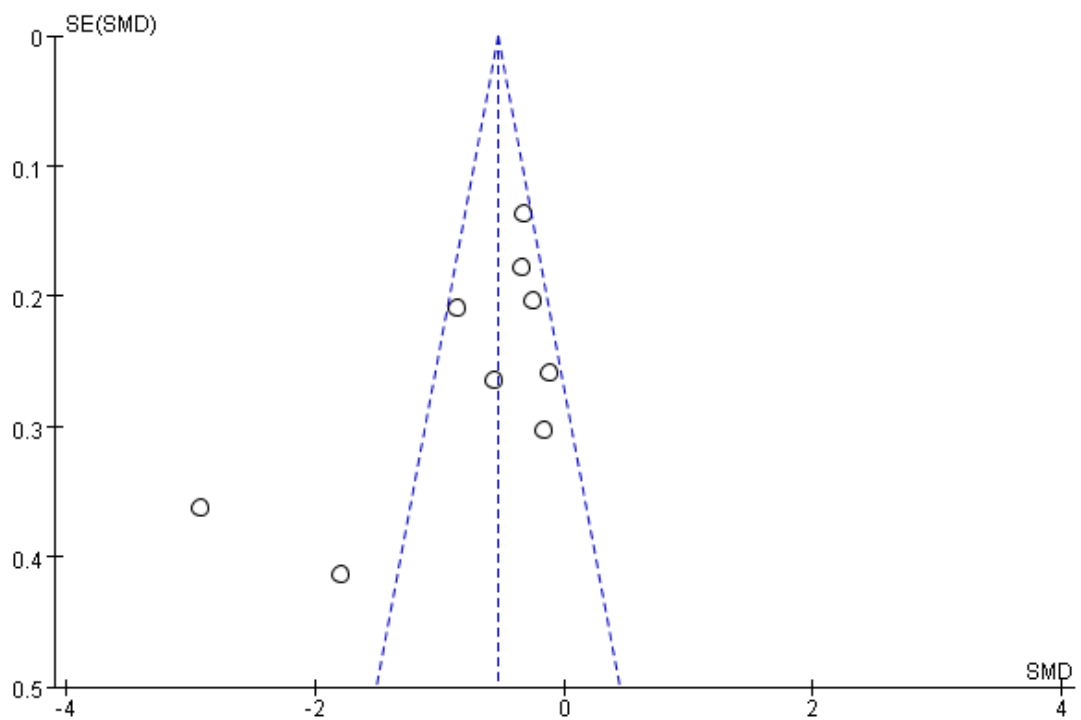
Study or Subgroup	Experimental			Control			Weight	Std. Mean Difference IV, Fixed, 95% CI	Std. Mean Difference IV, Fixed, 95% CI
	Mean	SD	Total	Mean	SD	Total			
Cynthia Mejia-Rubalcava 2015	74.9	7.5	17	88.8	6.5	17	2.9%	-1.93 [-2.77, -1.10]	
Divya Singh 2014	78.2	12.5	30	83.4	8	30	7.6%	-0.49 [-1.00, 0.03]	
Haiyun Lu 2008	67.4	3	50	70.3	3.1	50	11.8%	-0.94 [-1.36, -0.53]	
Hui-Ling Lai 2008	84.91	9.54	22	80.5	7.71	22	5.6%	0.50 [-0.10, 1.10]	
Natthatida Janthasila 2022	67.3	7.9	33	69.2	9.8	32	8.5%	-0.21 [-0.70, 0.28]	
Ob-Om Buranavichetkul 2021	73.57	9.94	30	76.5	9.25	30	7.8%	-0.30 [-0.81, 0.21]	
Xinzhi Yue 2013	73	5	49	77.3	5.2	49	11.8%	-0.84 [-1.25, -0.42]	
Yizhu Wang 2018	60.55	8.19	64	70.39	15.14	64	15.5%	-0.80 [-1.16, -0.44]	
Yu-Kyoung Kim 2011	74.63	5.46	106	77.38	11.2	113	28.4%	-0.31 [-0.57, -0.04]	
Total (95% CI)			401			407	100.0%	-0.53 [-0.67, -0.39]	
Heterogeneity: $\chi^2 = 35.48$, $df = 8$ ($P < 0.0001$); $I^2 = 77\%$									
Test for overall effect: $Z = 7.30$ ($P < 0.00001$)									





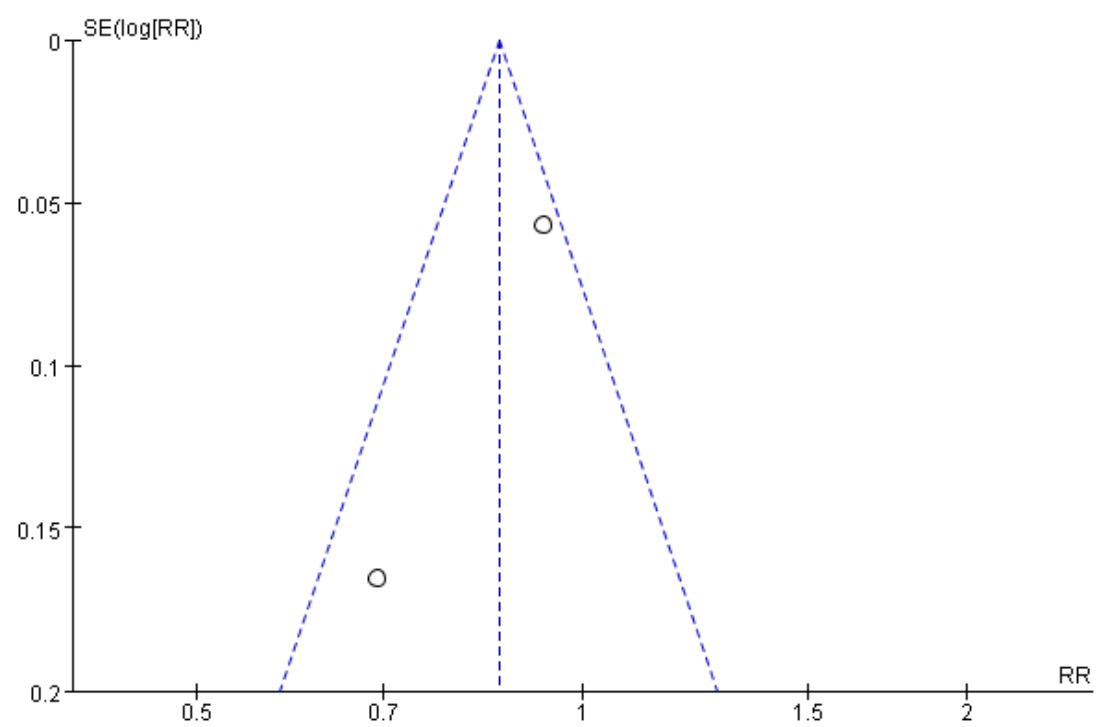
3.3 DBP Change





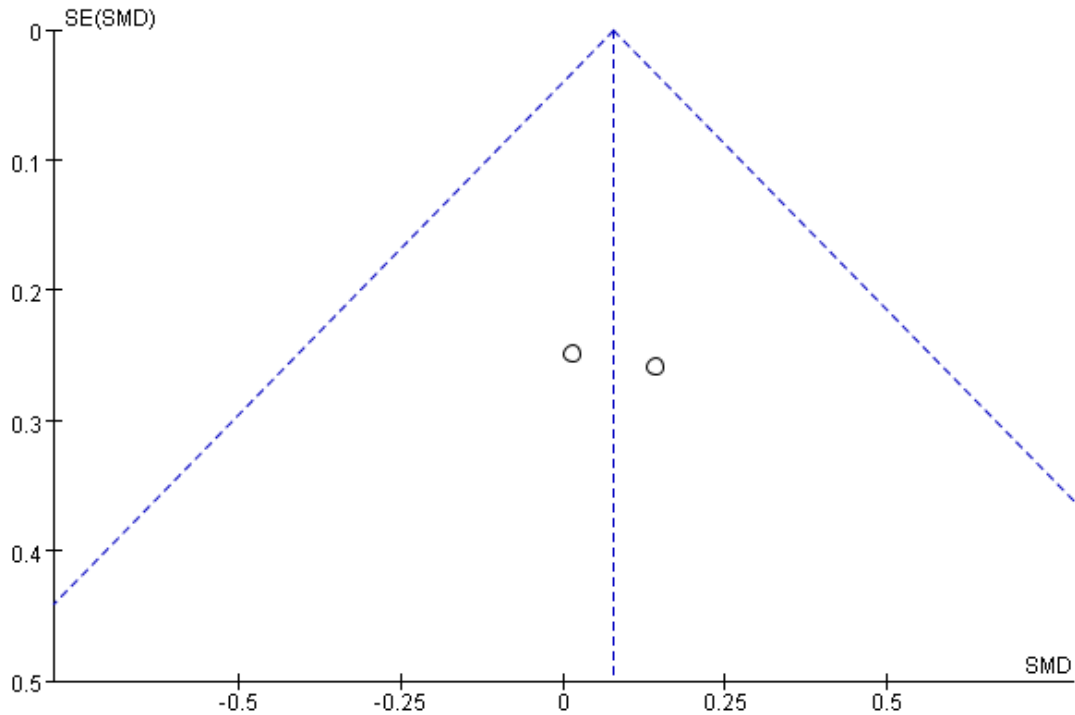
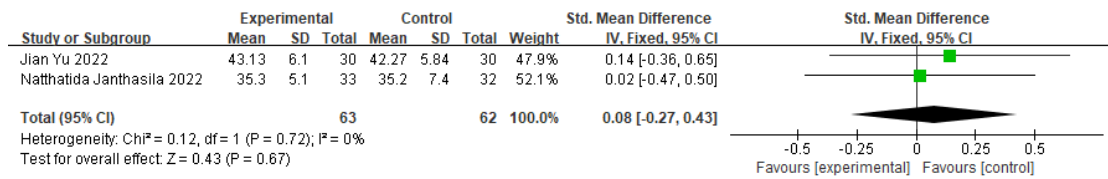
4. Cooperation Rate

4.1 Cooperation Rate Change

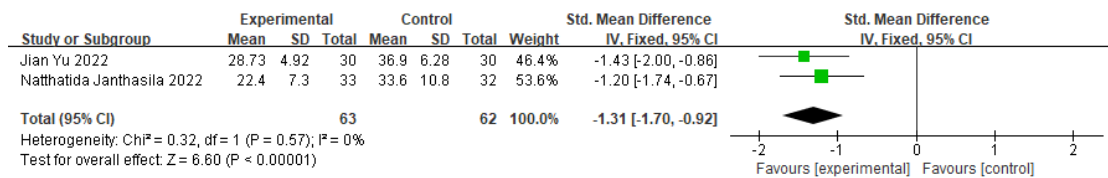


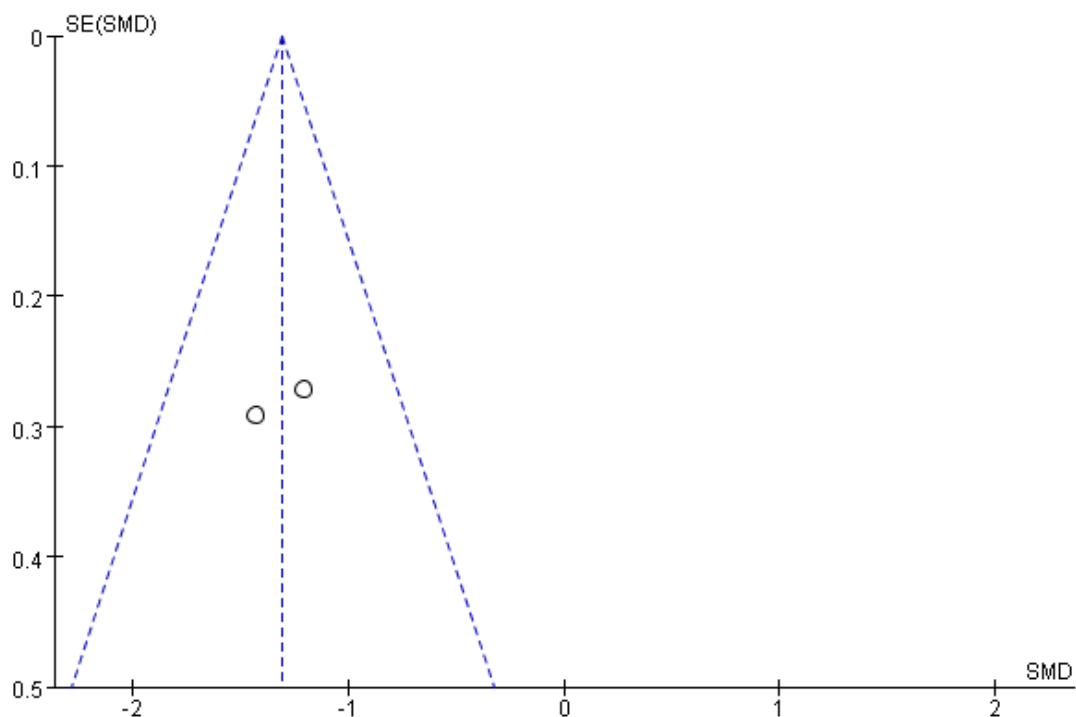
5. CFSS-DS

5.1 Preoperative CFSS-DS



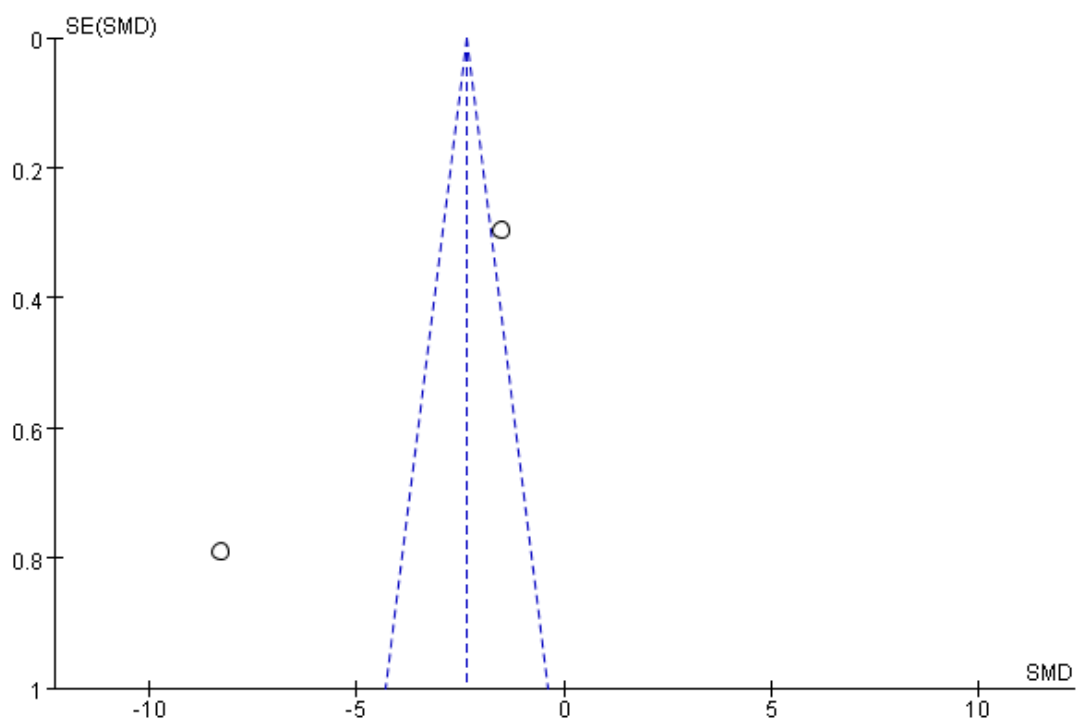
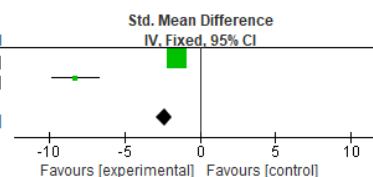
5.2 Postoperative CFSS-DS





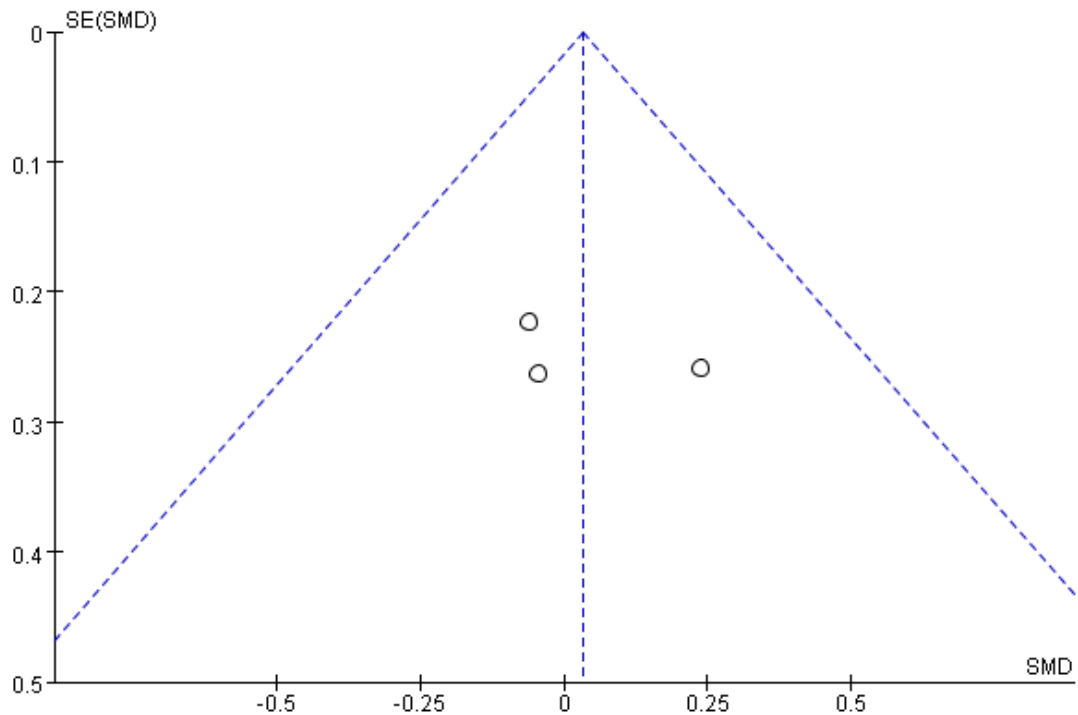
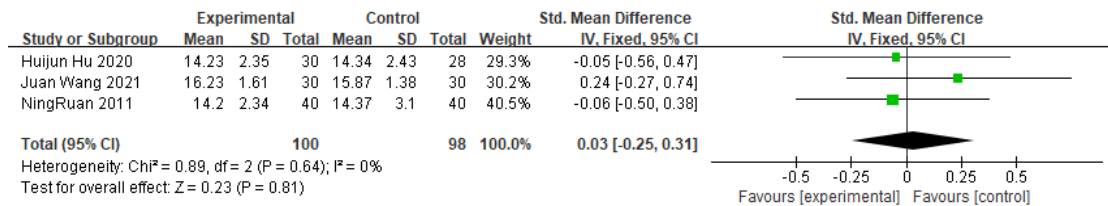
5.3 CFSS-DS Change

Study or Subgroup	Experimental			Control			Weight	Std. Mean Difference	Std. Mean Difference
	Mean	SD	Total	Mean	SD	Total		IV, Fixed, 95% CI	
Jian Yu 2022	-14.4	5.6	30	-5.37	6.07	30	87.7%	-1.53 [-2.11, -0.95]	
Natthatida Janthasila 2022	-12.9	1.3	33	-1.6	1.4	32	12.3%	-8.27 [-9.81, -6.72]	
Total (95% CI)			63			62	100.0%	-2.36 [-2.90, -1.82]	
Heterogeneity: Chi² = 64.14, df = 1 (P < 0.00001); I² = 98%									
Test for overall effect: Z = 8.52 (P < 0.00001)									

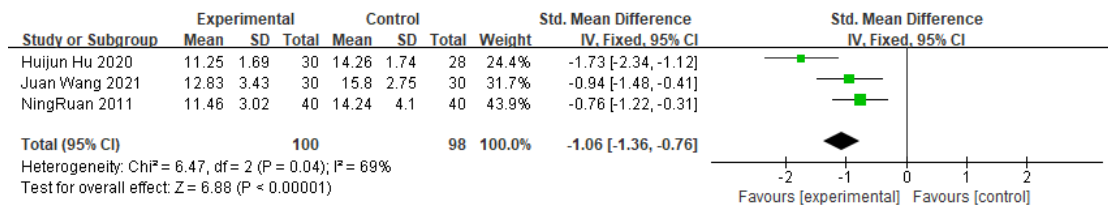


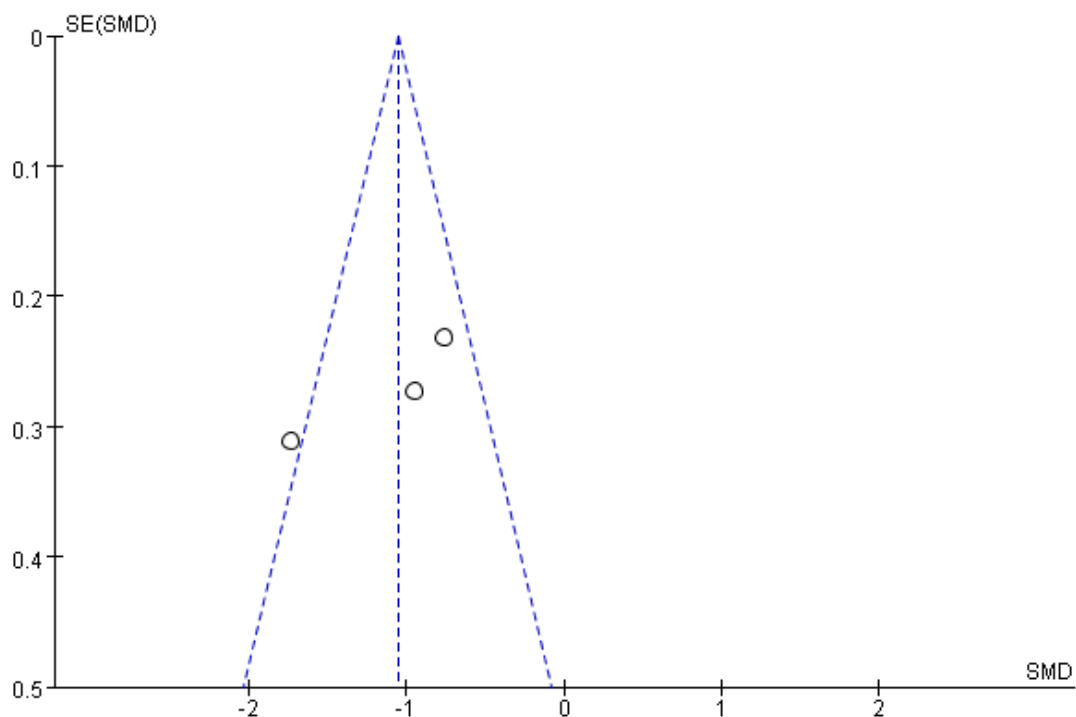
6. MDAS

6.1 Preoperative MDAS



6.2 Postoperative MDAS

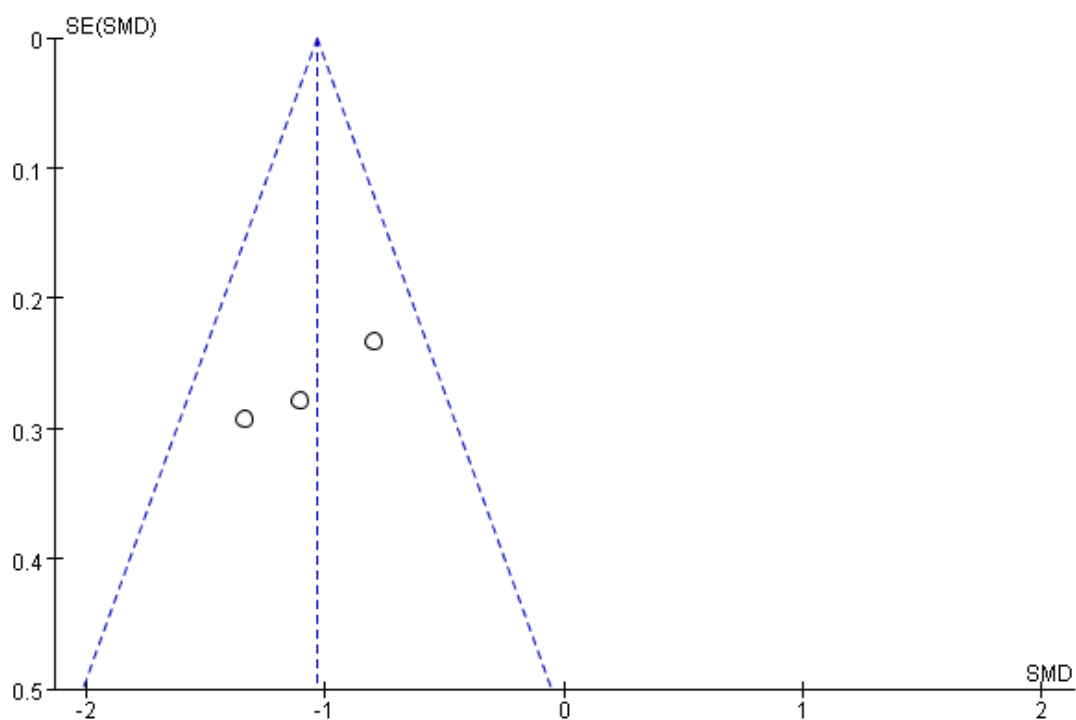
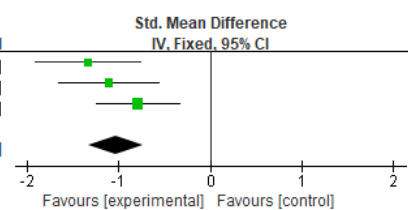




6.3 MDAS Change

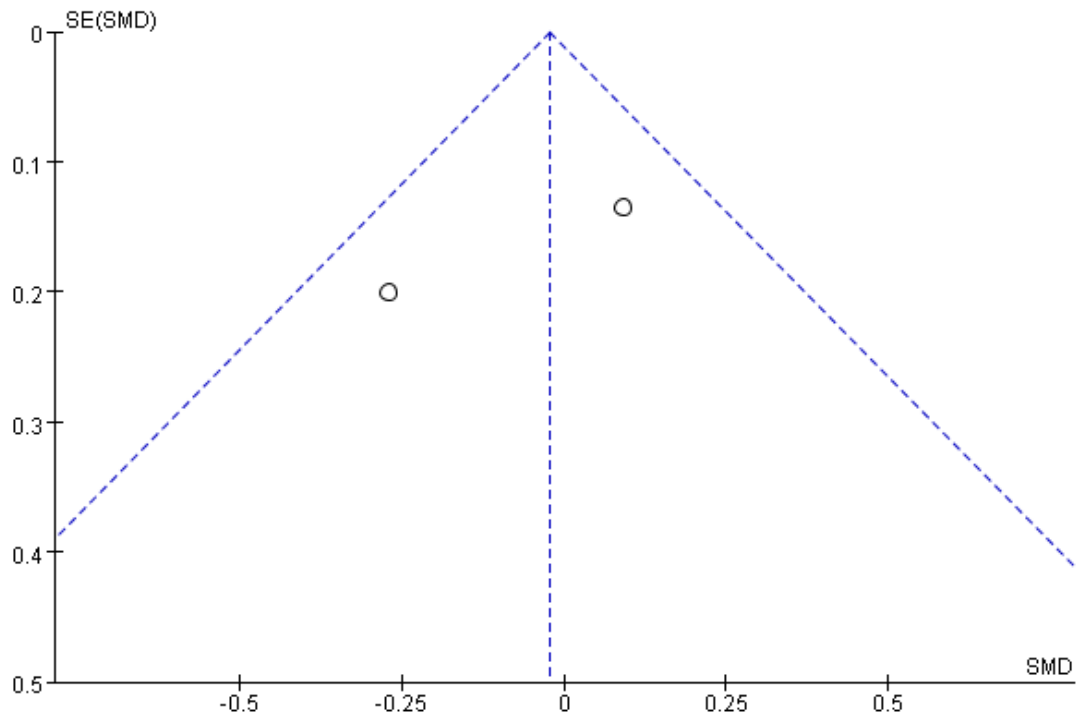
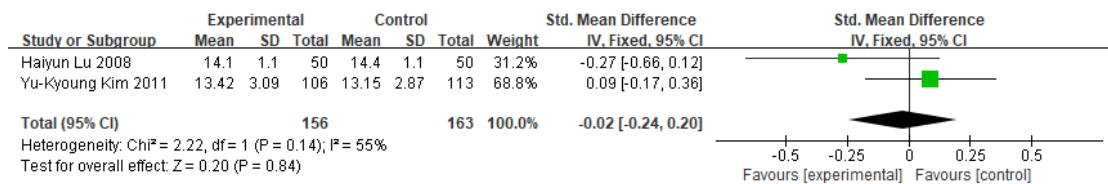
Study or Subgroup	Experimental			Control			Weight	Std. Mean Difference	Std. Mean Difference
	Mean	SD	Total	Mean	SD	Total		IV, Fixed, 95% CI	IV, Fixed, 95% CI
Huijun Hu 2020	-2.98	2.1	30	-0.08	2.17	28	27.1%	-1.34 [-1.91, -0.77]	
Juan Wang 2021	-3.4	3.42	30	-0.07	2.43	30	29.9%	-1.11 [-1.65, -0.56]	
NingRuan 2011	-2.74	2.74	40	-0.13	3.7	40	42.9%	-0.79 [-1.25, -0.34]	
Total (95% CI)			100			98	100.0%	-1.04 [-1.34, -0.74]	
Heterogeneity: Chi² = 2.23, df = 2 (P = 0.33); I² = 10%									
Test for overall effect: Z = 6.80 (P < 0.00001)									

Favours [experimental] Favours [control]

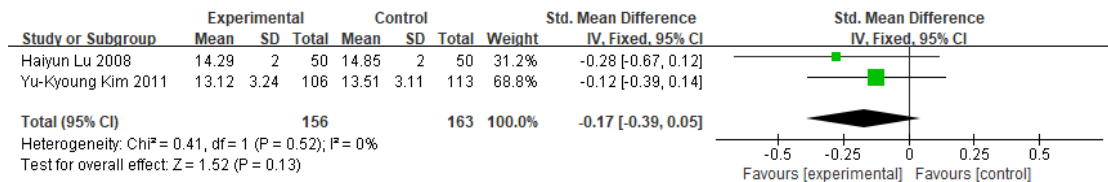


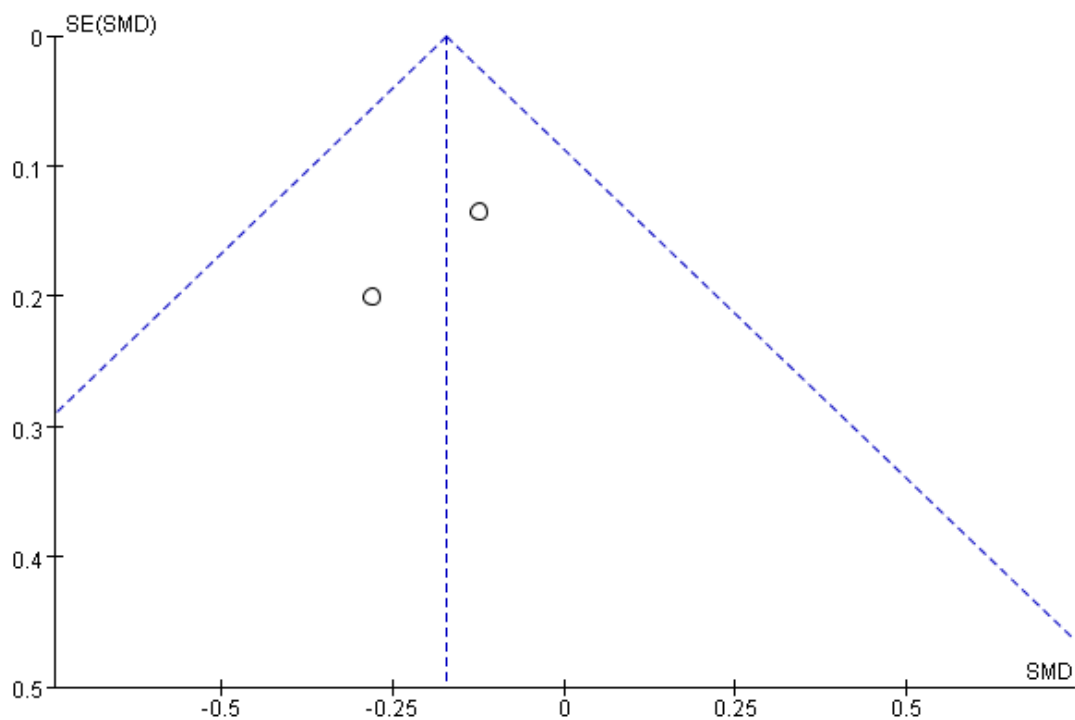
7. DAS

7.1 Preoperative DAS

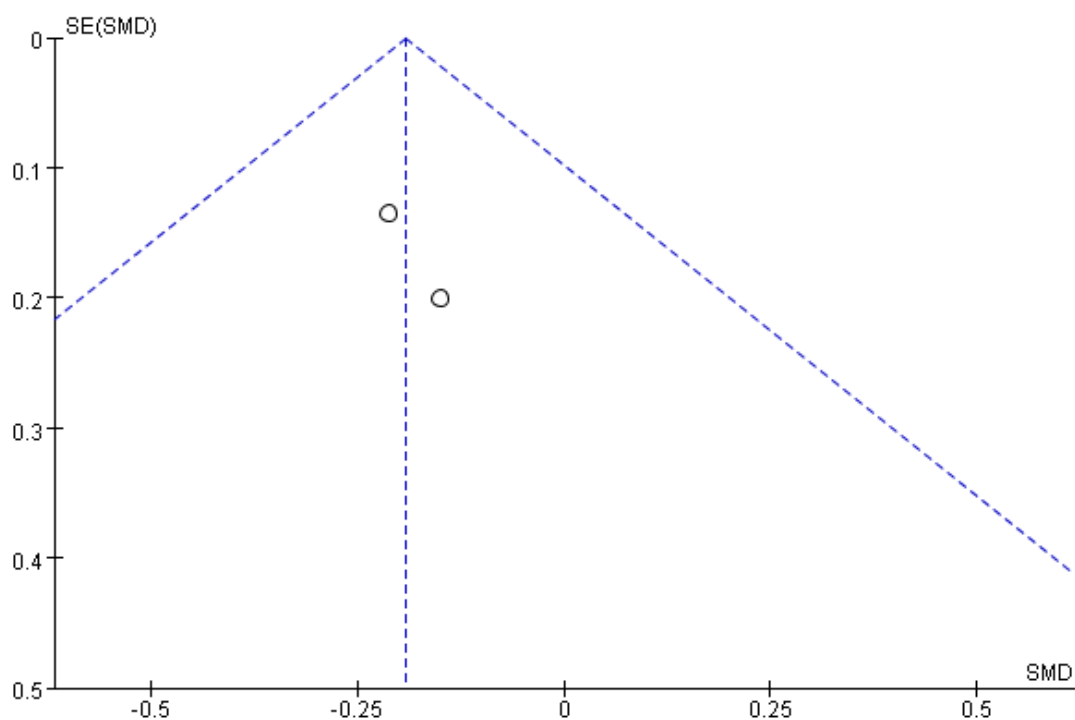
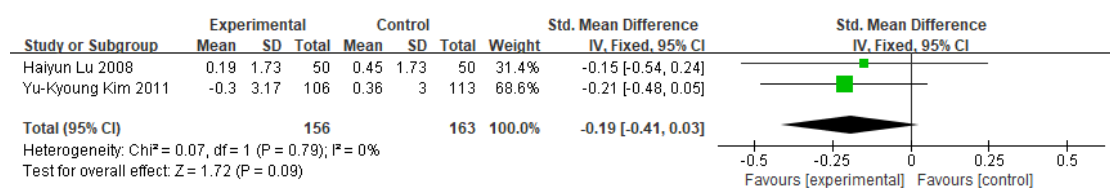


7.2 Postoperative DAS



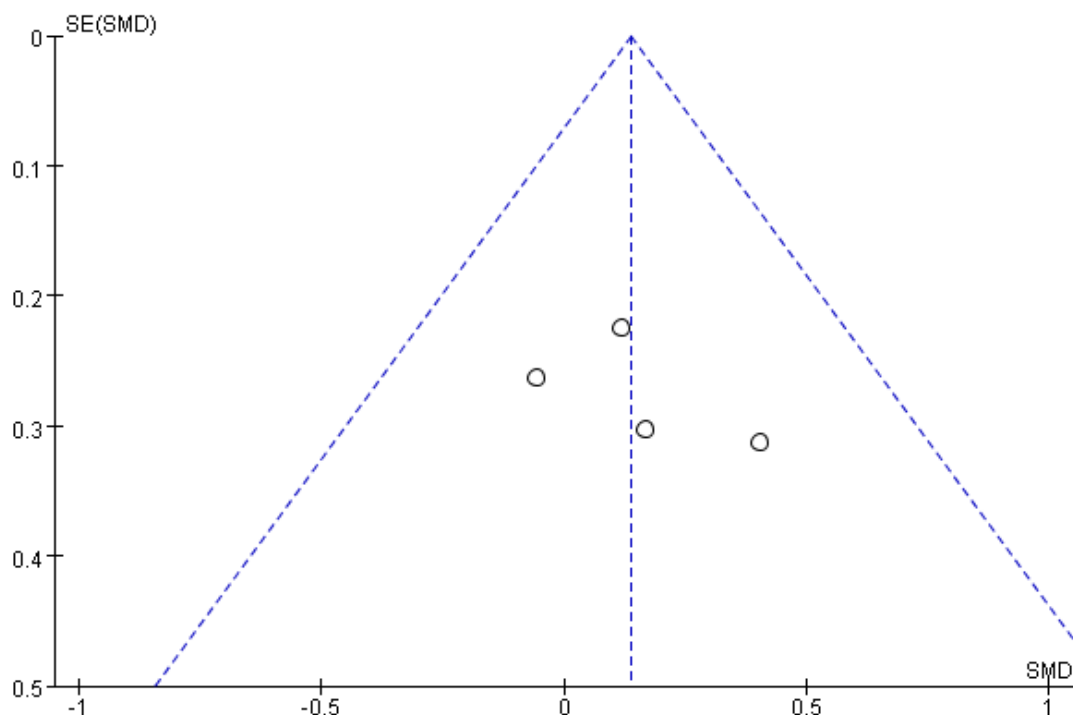
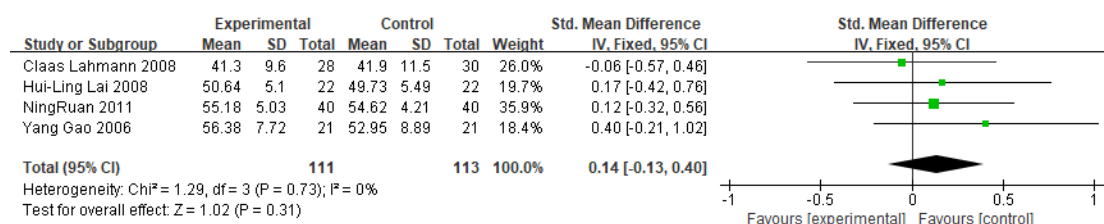


7.3 DAS Change

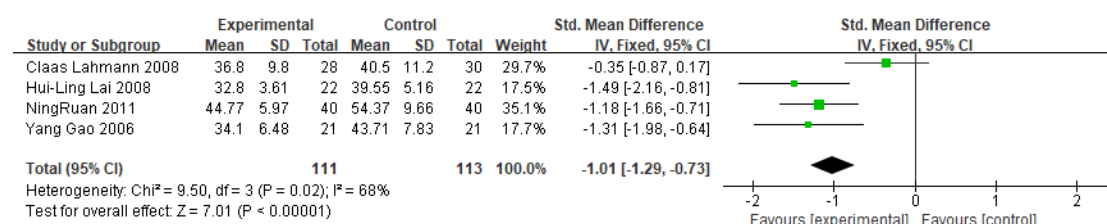


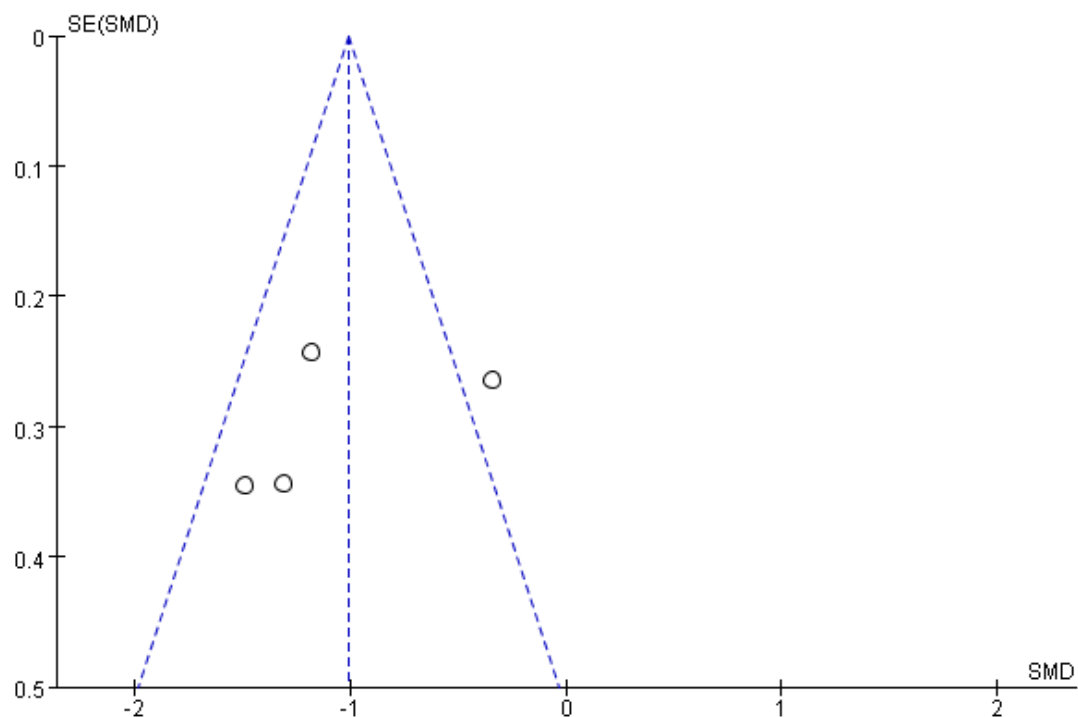
8. S-AI

8.1 Preoperative S-AI

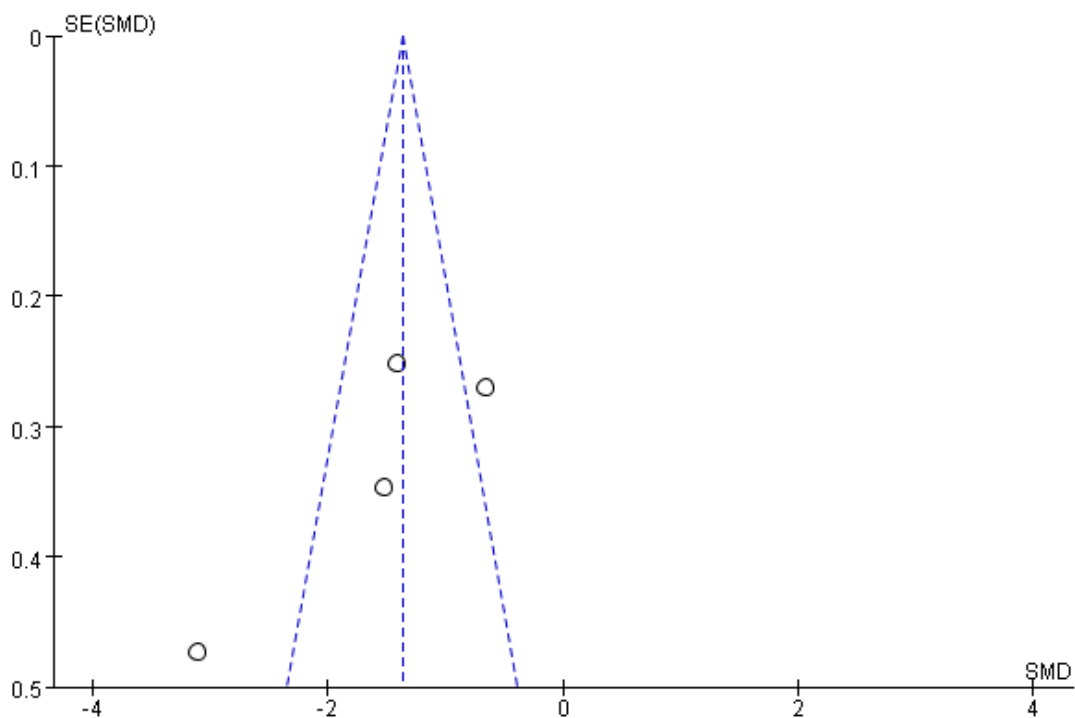
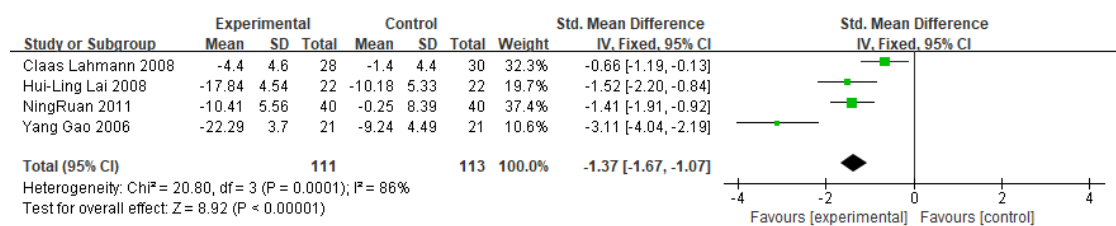


8.2 Postoperative S-AI



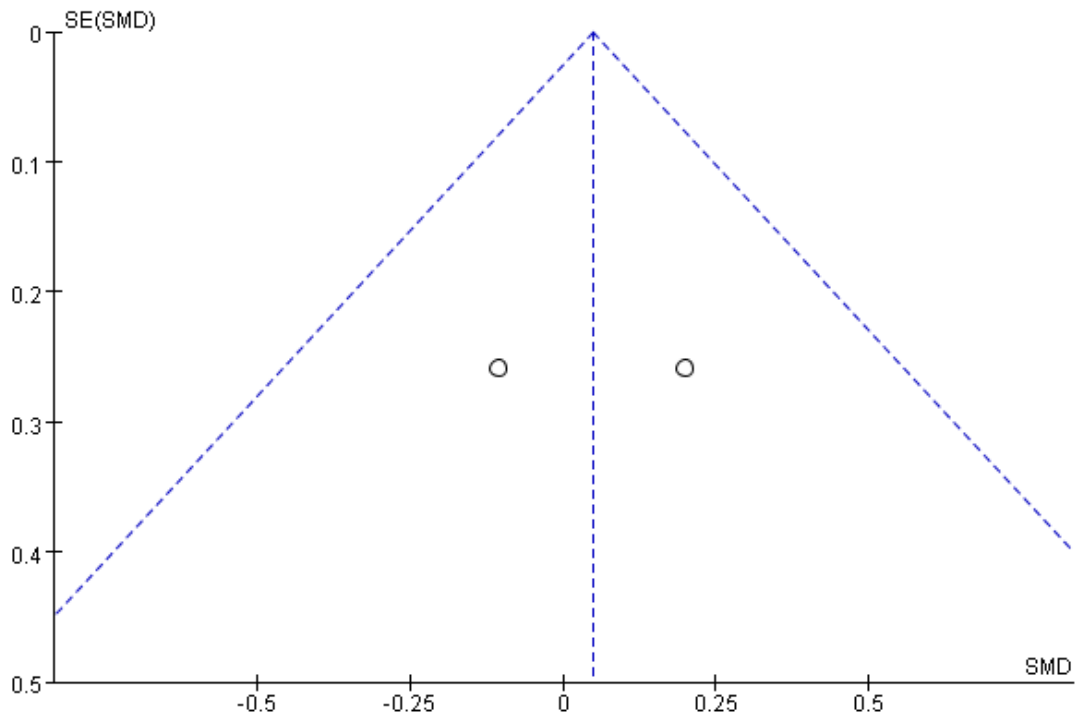
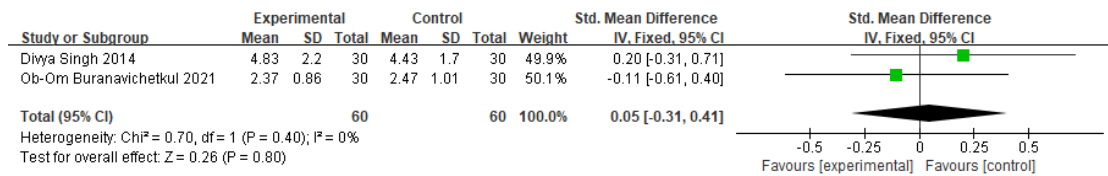


8.3 S-AI Change

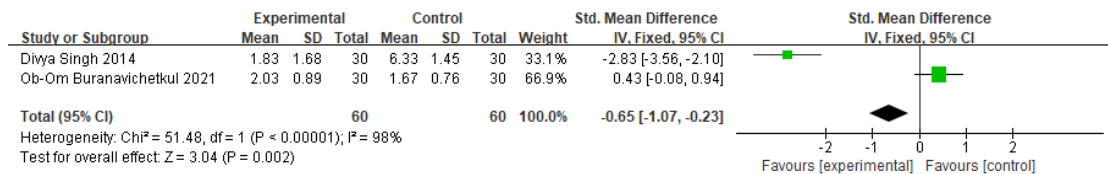


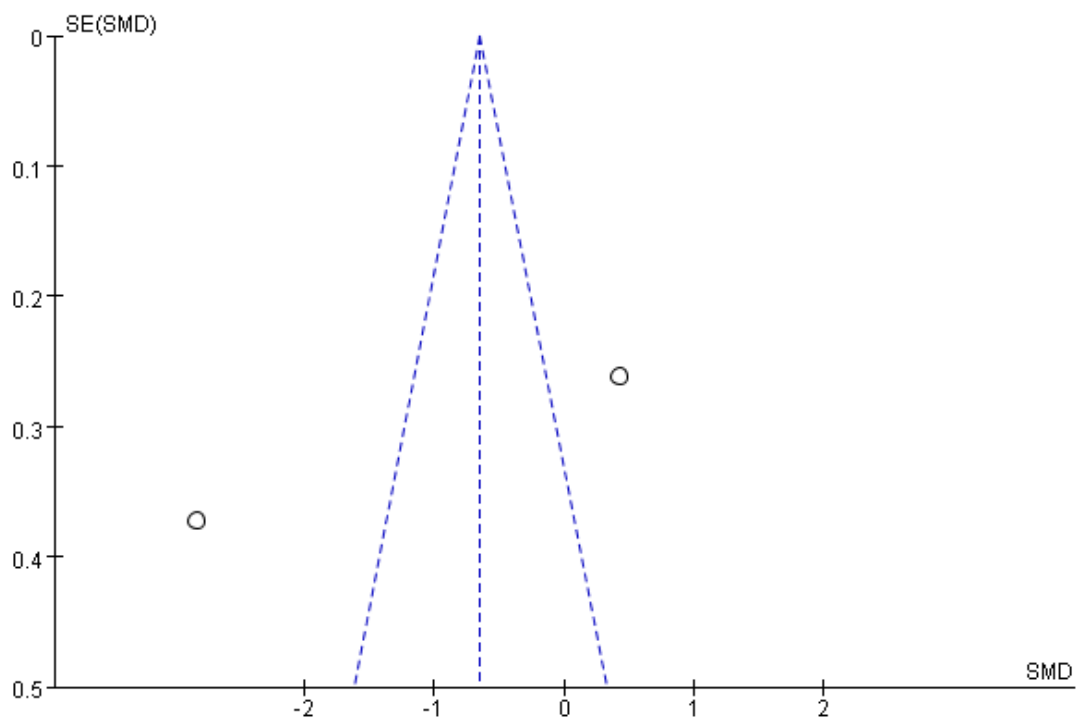
9. VPT

9.1 Preoperative VPT

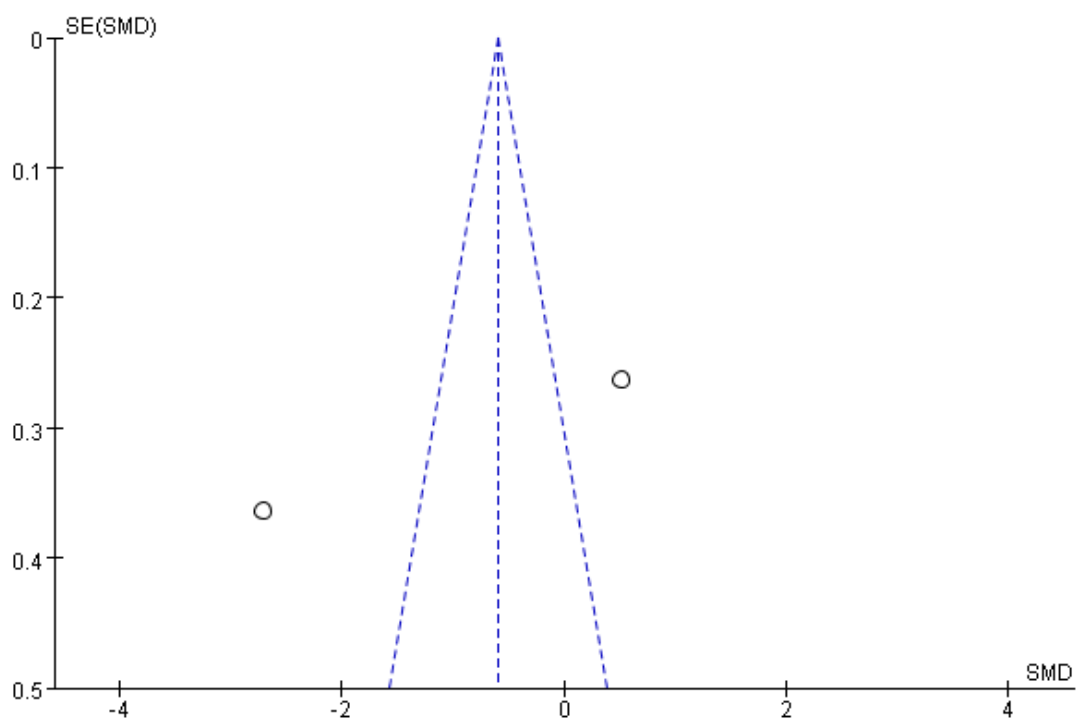
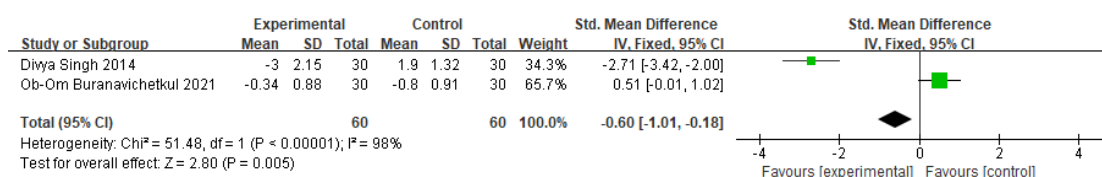


9.2 Postoperative VPT



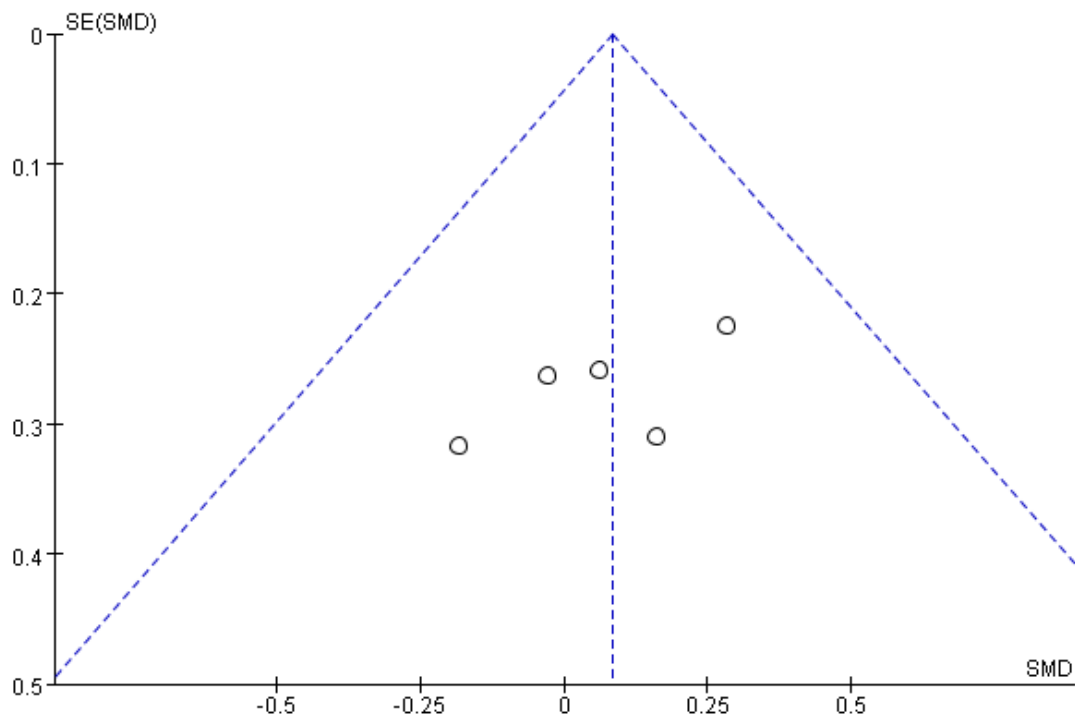
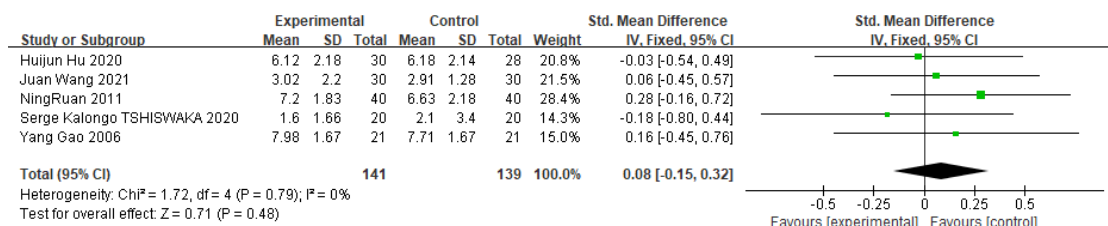


9.3 VPT Change

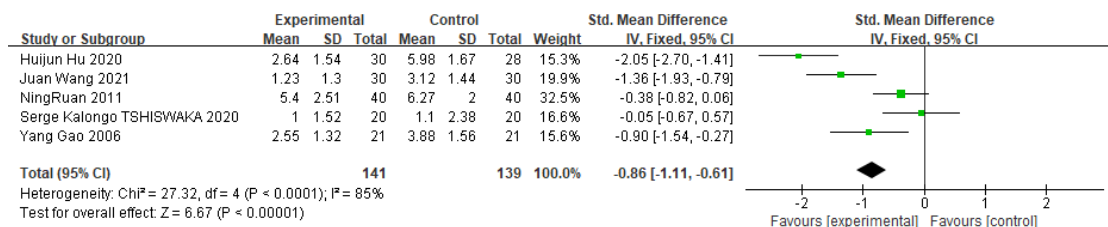


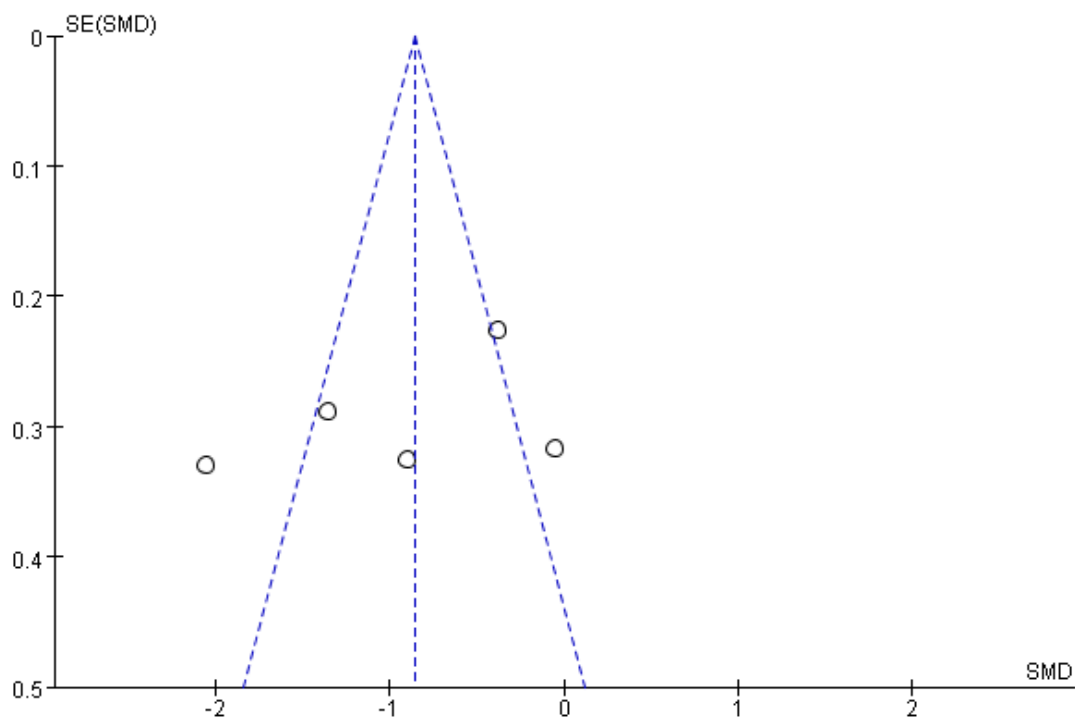
10. Pain Score

10.1 Preoperative Pain Score

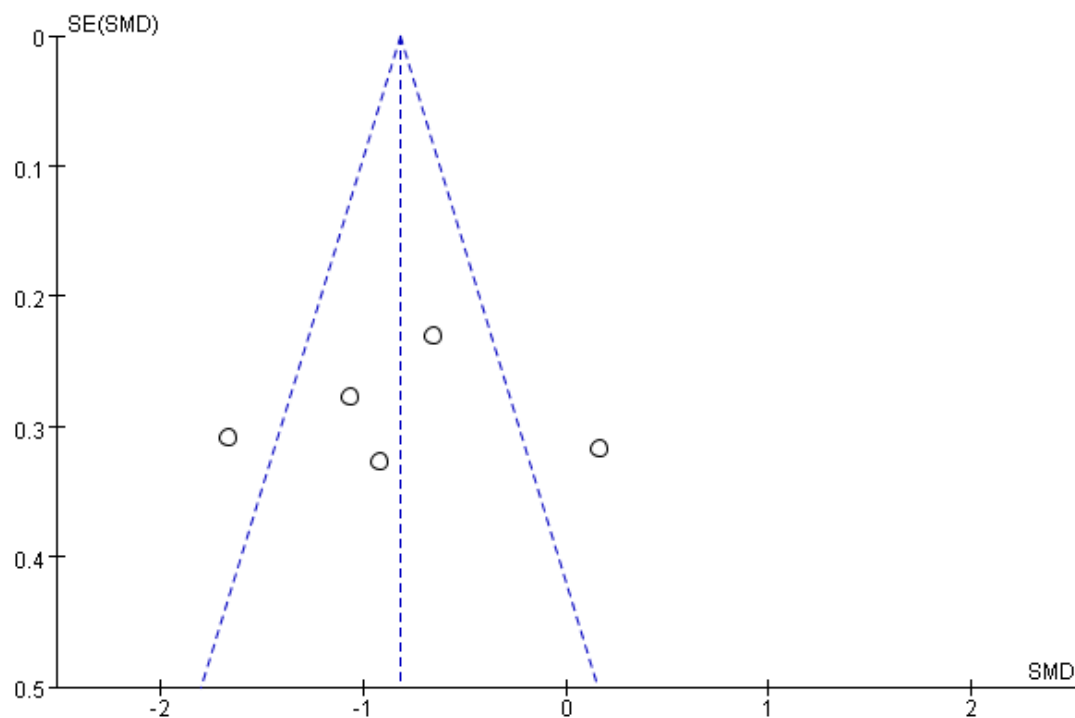
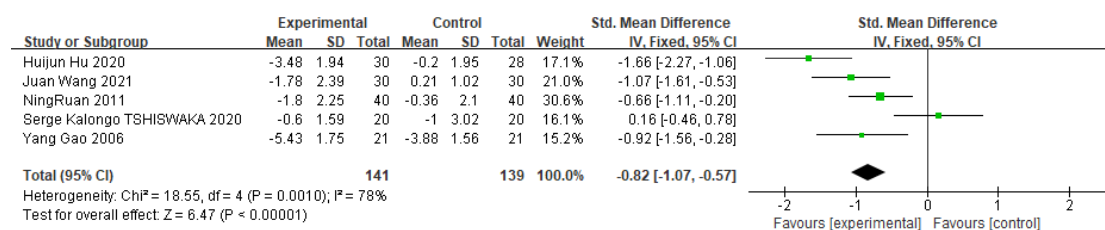


10.2 Postoperative Pain Score



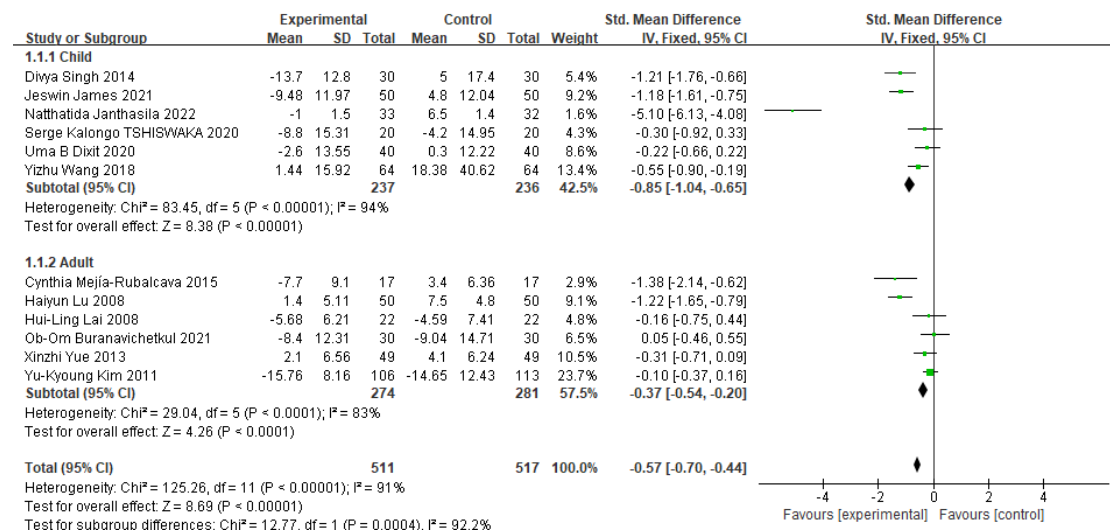


10.3 Pain Score Change

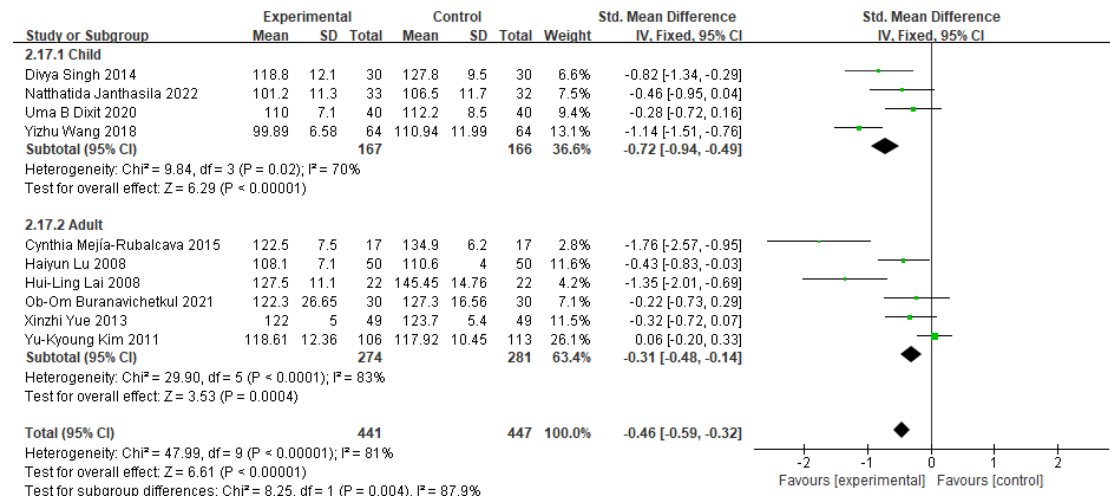


Subject-based subgroup analysis (adults and children)

1. Heart Rate



2. Systolic Blood Pressure



3. Diastolic Blood Pressure

