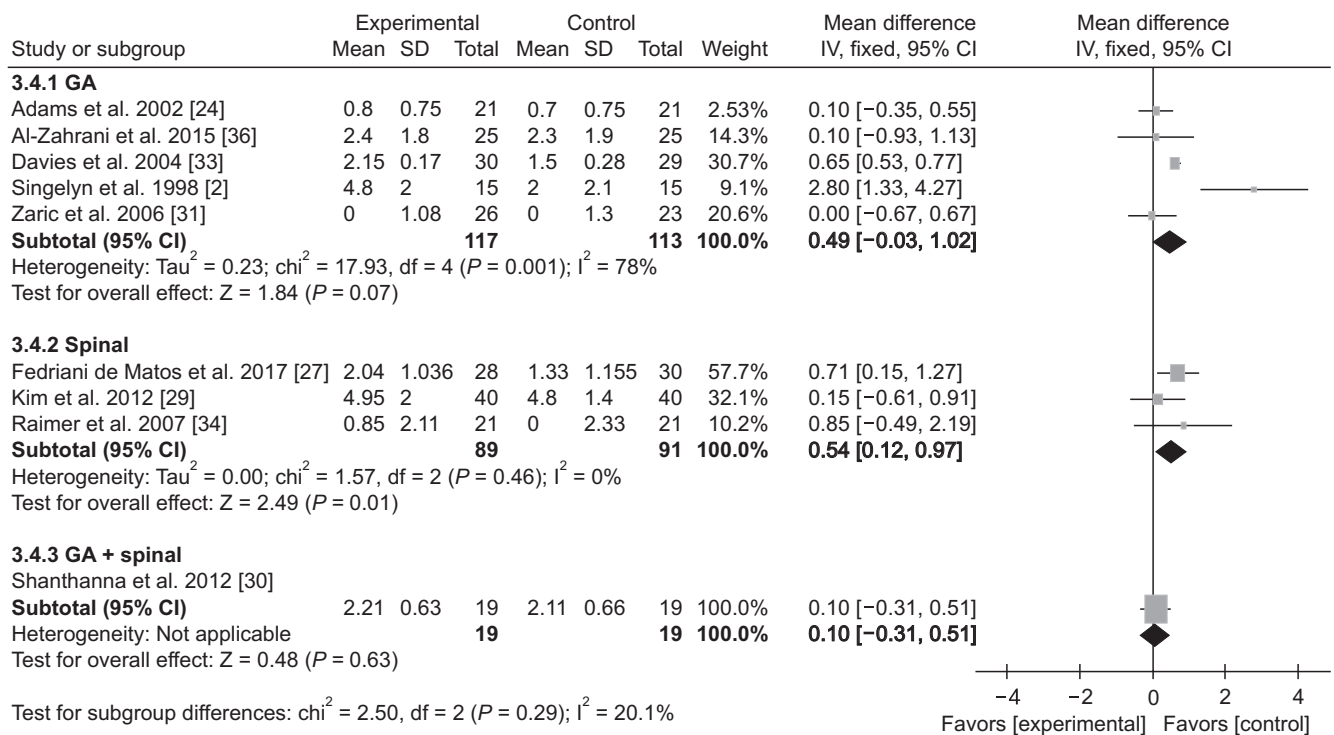
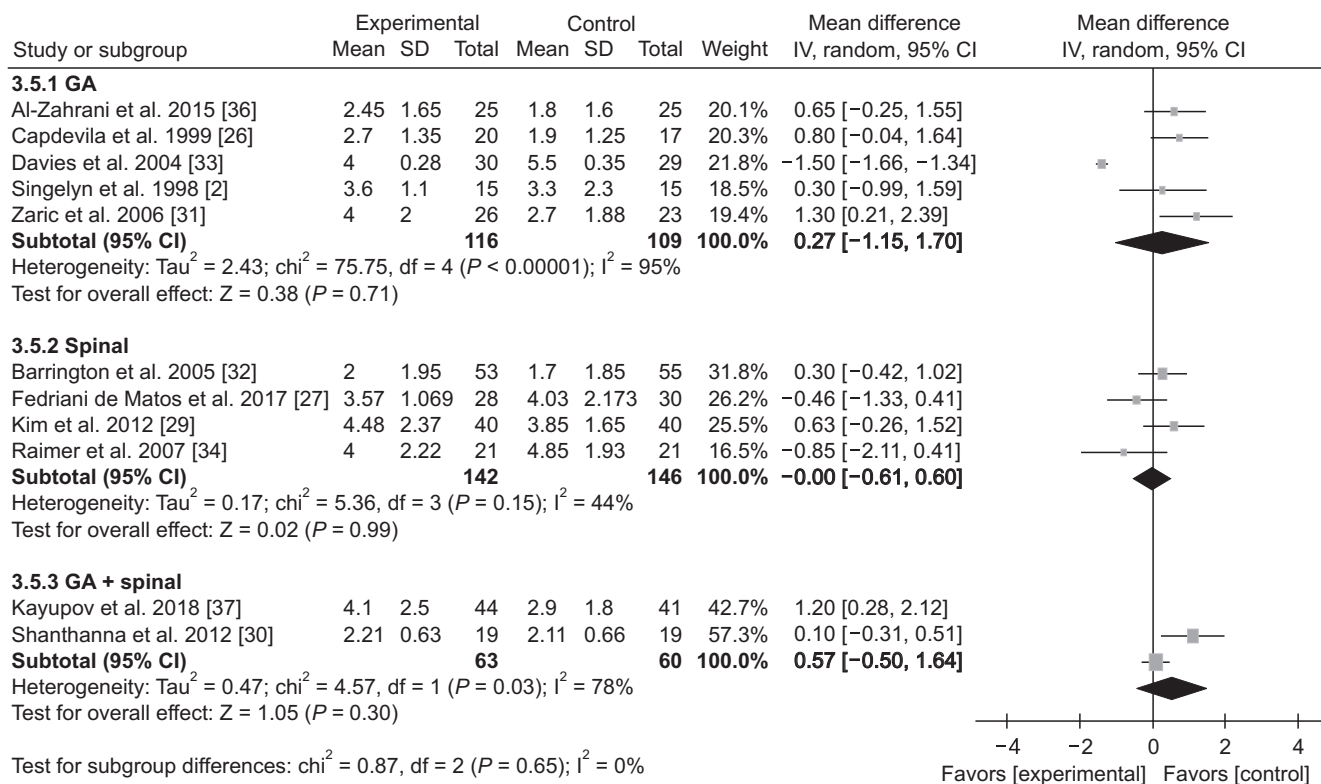


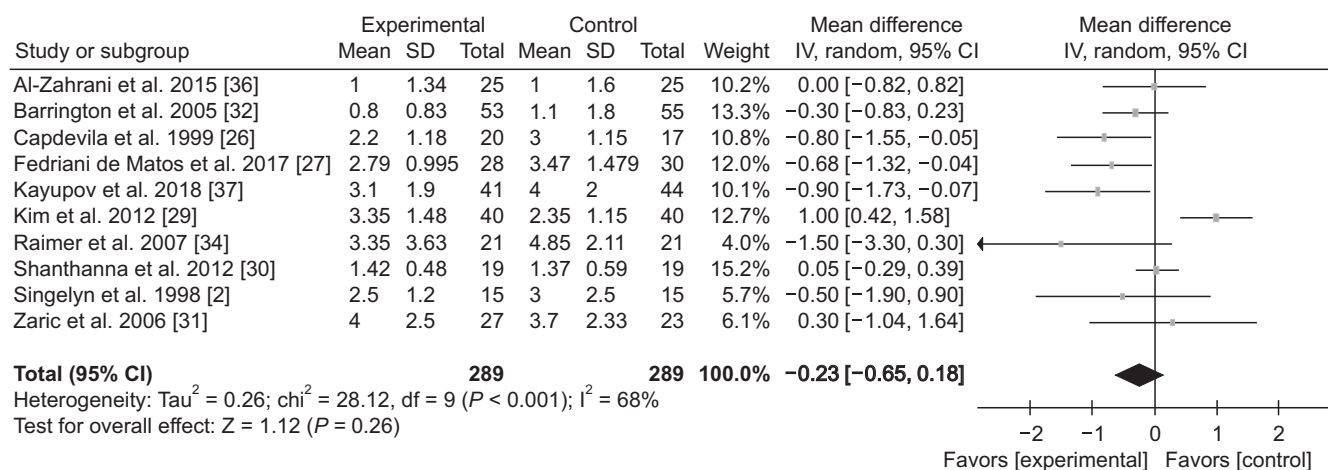
Supplementary Fig. 1. Forest plot for the sensitivity analyses (0-12 hr). SD: standard deviation, IV: inverse variance, CI: confidence interval, df: degree of freedom.



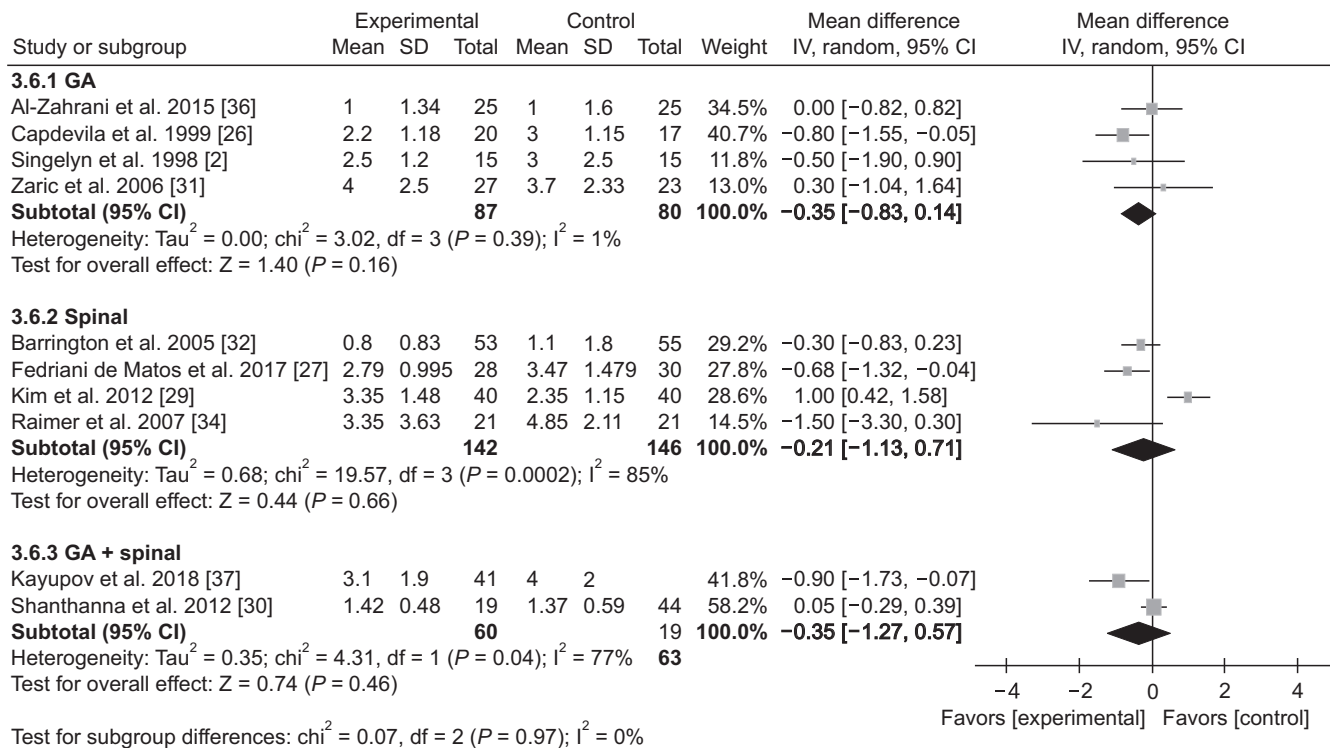
Supplementary Fig. 2. Forest plot for subgroup analyses (0-12 hr). SD: standard deviation, IV: inverse variance, CI: confidence interval, GA: general anesthesia, df: degree of freedom.



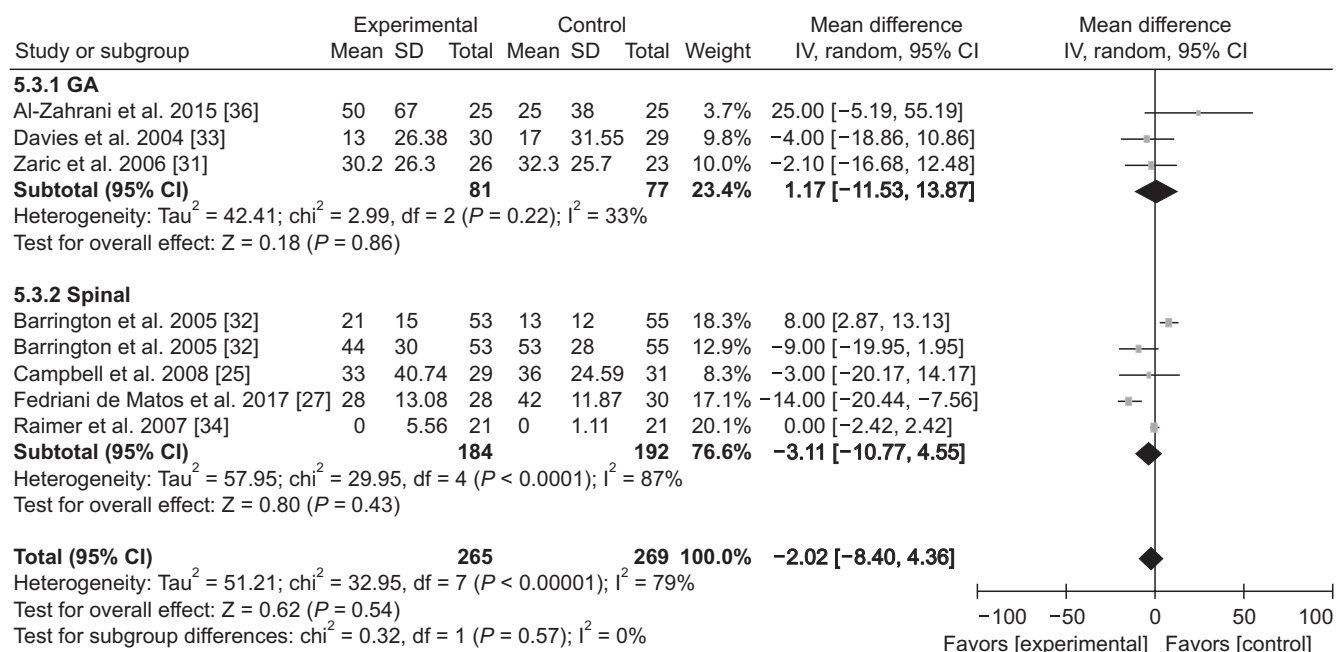
Supplementary Fig. 3. Forest plot for subgroup analyses (12-24 hr). SD: standard deviation, IV: inverse variance, CI: confidence interval, GA: general anesthesia, df: degree of freedom.



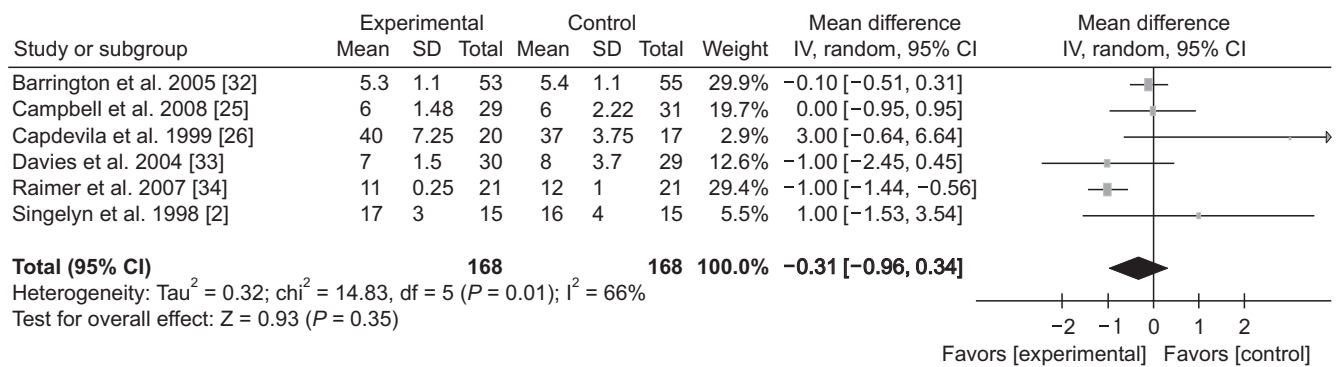
Supplementary Fig. 4. Forest plot for visual analogue scale score during 24-48 hours after surgery after nerve block vs. epidural block. SD: standard deviation, IV: inverse variance, CI: confidence interval, df: degree of freedom.



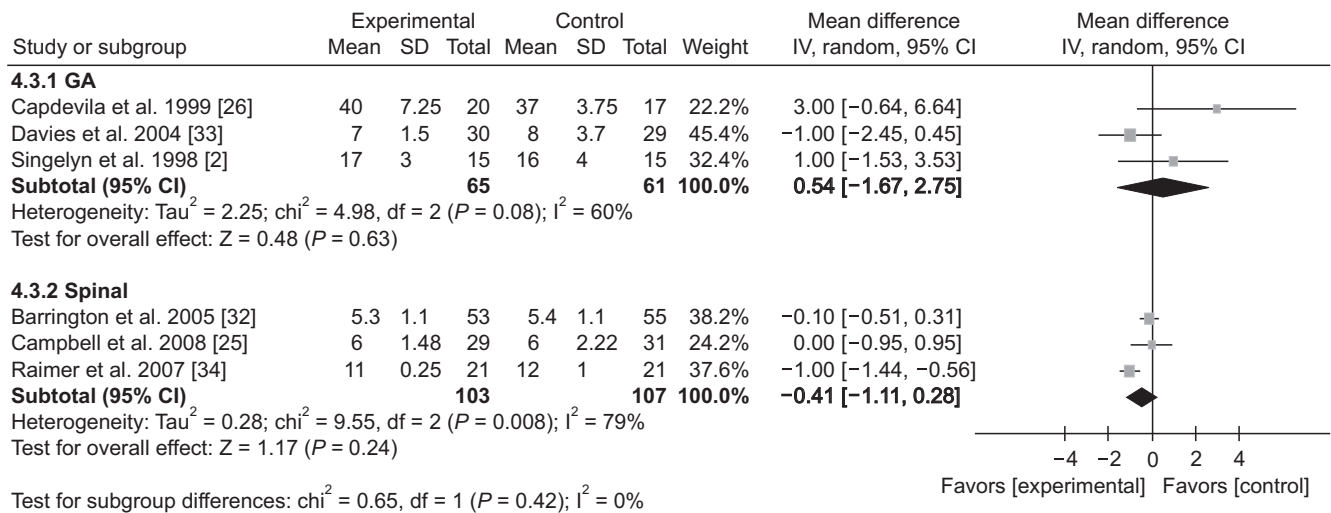
Supplementary Fig. 5. Forest plot for the subgroup analyses (24-48 hrs). SD: standard deviation, IV: inverse variance, CI: confidence interval, GA: general anesthesia, df: degree of freedom.



Supplementary Fig. 6. Forest plot for the length of hospital stay after nerve block vs. epidural block. SD: standard deviation, IV: inverse variance, CI: confidence interval, GA: general anesthesia, df: degree of freedom.



Supplementary Fig. 7. Forest plot for subgroup analyses of the length of hospital stay. SD: standard deviation, IV: inverse variance, CI: confidence interval, df: degree of freedom.



Supplementary Fig. 8. Forest plot for subgroup analyses of intraoperative opioid use. SD: standard deviation, IV: inverse variance, CI: confidence interval, GA: general anesthesia, df: degree of freedom.

Supplementary Table 1. GRADE evidence summary table of side effects

No. of studies	Design	Quality assessment							No. of patients			Effect		Quality	Importance	
		Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Experimental	Control	Relative (95% CI)	Absolute						
Nausea and vomiting																
10	Randomised trials	No serious risk of bias	No serious inconsistency	No serious indirectness	No serious imprecision	None ^a	36/262 (13.7%)	59/264 (22.3%) 18.8%	RR 0.62 (0.44 to 0.88)	85 fewer per 1,000 (from 27 fewer to 125 fewer)				⊕⊕⊕⊕ HIGH	IMPORTANT	
Hypotension																
12	Randomised trials	No serious risk of bias	No serious inconsistency	No serious indirectness	No serious imprecision	Reporting bias	51/350 (14.6%)	80/355 (22.5%) 20.5%	RR 0.64 (0.48 to 0.85)	81 fewer per 1,000 (from 34 fewer to 117 fewer)				⊕⊕⊕⊕ MODERATE	IMPORTANT	
Urinary retention																
8	Randomised trials	No serious risk of bias	No serious inconsistency	No serious indirectness	No serious imprecision	Reporting bias	11/185 (5.9%)	41/185 (22.2%) 15.5%	RR 0.3 (0.17 to 0.53)	155 fewer per 1,000 (from 104 fewer to 184 fewer)				⊕⊕⊕⊕ MODERATE	IMPORTANT	
Pruritus																
5	Randomised trials	No serious risk of bias	No serious inconsistency	No serious indirectness	No serious imprecision	Reporting bias ^a	0/135 (0%)	12/131 (9.2%) 5.9%	RR 0.14 (0.03 to 0.59)	79 fewer per 1,000 (from 38 fewer to 89 fewer)				⊕⊕⊕⊕ MODERATE	IMPORTANT	
Sedation																
4	Randomised trials	No serious risk of bias	No serious inconsistency	No serious indirectness	No serious imprecision	Reporting bias ^a	3/114 (2.6%)	1/110 (0.9%) 0%	RR 2.02 (0.32 to 12.92)	9 more per 1,000 (from 6 fewer to 108 more)				⊕⊕⊕⊕ MODERATE	IMPORTANT	

GRADE: Grading of Recommendations Assessment, Development and Evaluation, CI: confidence interval, RR: risk ratio.

^aBias.

The second line of data under the "No. of patients" section indicates the median control group risk from the studies included in a meta-analysis.

Supplementary Table 2. GRADE evidence summary table of visual analogue scale (VAS) score

No. of studies	Quality assessment							No. of patients			Effect		Quality Importance
	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Experimental	Control	Relative (95% CI)	Absolute			
VAS 0-12 h (Better indicated by lower values)													
7	Randomised trials	No serious risk of bias	Serious ^a	No serious indirectness	No serious imprecision	Reporting bias ^b	180	179	-	MD 0.21 higher (0.01 lower to 0.44 higher)	⊕⊕⊕⊕	CRITICAL	
VAS 12-24 h (Better indicated by lower values)													
10	Randomised trials	No serious risk of bias	Serious ^a	No serious indirectness	No serious imprecision	Reporting bias ^b	288	289	-	MD 0.16 higher (0.09 lower to 0.41 higher)	⊕⊕⊕⊕	CRITICAL	
VAS 24-48 h (Better indicated by lower values)													
9	Randomised trials	No serious risk of bias	Serious ^a	No serious indirectness	No serious imprecision	Reporting bias ^b	249	249	-	MD 0.27 lower (0.49 to 0.05 lower)	⊕⊕⊕⊕	CRITICAL	

GRADE: Grading of Recommendations Assessment, Development and Evaluation, CI: confidence interval, MD: mean difference.

^aHeterogeneity. ^bFunnel plot.

Supplementary Table 3. GRADE evidence summary table of patient satisfaction

No. of studies	Design	Quality assessment						No. of patients			Effect		Quality	Importance
		Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Experimental	Control	Relative (95% CI)	Absolute				
4	Randomised trials	No serious risk of bias	No serious inconsistency	No serious indirectness	No serious imprecision	Reporting bias ^a	148/178 (83.1%)	107/138 (77.5%)	RR 1.06 (0.94 to 1.18)	47 more per 1,000 (from 47 fewer to 140 more)	47 more per 1,000 (from 47 fewer to 141 more)	⊕⊕⊕⊕ MODERATE	IMPORTANT	

GRADE: Grading of Recommendations Assessment, Development and Evaluation, CI: confidence interval, RR: risk ratio.

^aFunnel plot.

The second line of data under the “No. of patients” section indicates the median control group risk from the studies included in a meta-analysis.

Supplementary Table 4. GRADE evidence summary table of opioids consumption

No. of studies	Quality assessment							No. of patients		Effect		Quality	Importance
	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Experimental	Control	Relative (95% CI)	Absolute			
6	Randomised trials	No serious risk of bias	Serious ^a	No serious indirectness	Serious ^b	Reporting bias ^c	265	269	-	MD 2.02 lower (8.4 lower to 4.36 higher)	⊕○○○	VERY LOW	IMPORTANT

GRADE: Grading of Recommendations Assessment, Development and Evaluation, CI: confidence interval, RR: risk ratio.

^aHeterogeneity. ^bNo explanation was provided. ^cBias.

Supplementary Table 5. GRADE evidence summary table of rehabilitation indices

No. of studies	Quality assessment					No. of patients		Effect		Quality	Importance	
	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Experimental	Control	Relative (95% CI)			Absolute
Length of hospital stay (Better indicated by lower values)												
5	Randomised trials	No serious risk of bias	Serious ^a	No serious indirectness	Serious ^b	None	147	147	-	MD 0.09 lower (0.45 lower to 0.27 higher)	⊕⊕⊕⊕ LOW	IMPORTANT
Active knee flexion (Better indicated by lower values)												
5	Randomised trials	No serious risk of bias	No serious inconsistency	No serious indirectness	Serious ^b	None	143	142	-	MD 1.81 higher (1.17 lower to 4.78 higher)	⊕⊕⊕⊕ MODERATE	IMPORTANT

GRADE: Grading of Recommendations Assessment, Development and Evaluation, CI: confidence interval, MD: mean difference.

^aHeterogeneity. ^bSmall sample size and large CI.