

Supplementary material 6. Sensitivity analysis

a)Removal of high risk of bias trials

RA technique	MME 24 h (mg)		Pain at 12 h		Pain at 24 h		PONV		Additional Analgesics	
	MD(95% CI)	p-value	MD (95% CI)	p-value	MD(95% CI)	p-value	OR(95% CI)	p-value	OR(95% CI)	p-value
ESP block	-5.36 (-7.36 to -3.34)	<0.001*	-1.73 (-2.31 to -1.15)	<0.001	-1.36(-1.98 to -0.74)	<0.001	0.50(0.26 to 0.96)	0.038*	0.13 (0.06-0.30)	<0.001
Intraperitoneal	-2.09 (-3.43 to -0.74)	0.002*	-0.52 (-0.76 to -0.28)	<0.001	-0.47(-0.69 to -0.24)	<0.001	0.72(0.53 to 0.97)	0.033*	0.46 (0.27-0.77)	0.003
Paravertebral	-6.70 (-9.92 to -3.48)	<0.001	-0.80 (-1.96 to 0.36)	0.174	-1.00 (-2.13 to 0.13)	0.084	0.58(0.22 to 1.50)	0.250	-	-
QL block	-4.01 (-6.69 to -1.33)	0.0034	-1.80 (-2.47 to -1.13)	<0.001	-1.22 (-1.94 to -0.50)	<0.001	0.48(0.15 to 1.53)	0.215	0.07(0.01-0.41)	0.003
Rectus Sheath Block	-2.10 (-5.94 to 1.73)	0.2821	-0.40 (-1.20 to 0.40)	0.325	-0.54 (-1.27 to 0.18)	0.144	-	-	-	-
Subcostal TAP block	-3.74 (-5.36 to -2.12)	<0.001*	-1.94 (-2.39 to -1.50)	<0.001	-1.21 (-1.61 to -0.81)	<0.001	0.67 (0.34 to 1.32)	0.254	0.15(0.06-0.41)	<0.001
TAP block	-2.95 (-5.29 to -0.61)	0.013*	-1.82 (-2.26 to -1.38)	<0.001	-0.80 (-1.22 to -0.39)	<0.001	0.35(0.22 to 0.55)	<0.001*	0.11(0.05-0.24)	<0.001
Wounds/Ports infiltration	-2.76 (-4.05 to -1.47)	<0.001*	-1.12 (-1.42 to -0.82)	<0.001	-0.78 (-1.39 to 0.53)	<0.001	0.58 (0.40 to 0.82)	0.003*	0.23(0.14-0.37)	<0.001

Associated forest plots for the main outcome

