

Supplementary Table 4. Certainty for each outcome

Certainty assessment							№ of patients		Effect		Certainty	Importance
№ of studies	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	RMZ	Volatile agents	Relative (95% CI)	Absolute (95% CI)		

Hypotension

8	randomised trials	not serious	serious ^a	not serious	not serious	none	47/344 (13.7%)	128/377 (34.0%)	RR 0.43 (0.29 to 0.63)	214 fewer per 1,000 (from 268 fewer to 132 fewer)	⊕⊕⊕ ○ Moderate	
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Bradycardia

3	randomised trials	not serious	not serious	not serious	not serious	none	46/71 (64.8%)	53/103 (51.5%)	RR 1.06 (0.59 to 1.90)	76 more per 1,000 (from 261 fewer to 345 more)	⊕⊕⊕ ⊕ Moderate	
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Extubation time

8	randomised trials	not serious	serious ^c	not serious	not serious	none	349	352	-	MD 1.1 min more (0.92 fewer to 3.11 more)	⊕⊕⊕ ○ Moderate	
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PONV

Certainty assessment							№ of patients		Effect		Certainty	Importance
№ of studies	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	RMZ	Volatile agents	Relative (95% CI)	Absolute (95% CI)		
9	randomised trials	not serious	not serious	not serious	not serious	none	48/363 (13.2%)	102/366 (27.9%)	RR 0.51 (0.37 to 0.72)	163 fewer per 1,000 (from 204 fewer to 101 fewer)	⊕⊕⊕⊕ ⊕ High	

PACU stay time

6	randomised trials	not serious	not serious	not serious	not serious	none	264	265	-	MD 0.42 min more (1.08 fewer to 1.92 more)	⊕⊕⊕⊕ ⊕ High	
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Length of hospital stay

4	randomised trials	not serious	not serious	not serious	not serious	none	152	152	-	MD 0.07 day fewer (0.29 fewer to 0.16 more)	⊕⊕⊕⊕ ⊕ High	
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CI: confidence interval; **MD:** mean difference; **OR:** odds ratio

Explanations

- Various definition of hypotension
- Various definition of bradycardia
- The effect size has a high heterogeneity

PONV, postoperative nausea and vomiting; PACU, postanesthesia care unit