

Question: Should multimodal analgesia with minimal use of opioids vs. standard analgesia be used for pain control in patients after bariatric surgery?

Certainty assessment							№ of patients		Effect		Certainty	Importance
№ of studies	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	multimodal analgesia with minimal use of opioids	standard analgesia	Relative (95% CI)	Absolute (95% CI)		
Mortality												
1	observational studies	serious	not serious	not serious	very serious	none	1/245 (0.4%)	0/384 (0.0%)	OR 4.72 (0.19 to 116.28)	0 fewer per 1.000 (from 0 fewer to 0 fewer)	⊕○○○ VERY LOW	CRITICAL
Re-intubation												
1	observational studies	serious	not serious	serious	very serious	none	2/245 (0.8%)	2/384 (0.5%)	OR 1.57 (0.22 to 11.23)	3 more per 1.000 (from 4 fewer to 50 more)	⊕○○○ VERY LOW	CRITICAL
Cardio-vascular complications												
1	observational studies	serious	not serious	not serious	very serious	none	1/245 (0.4%)	3/384 (0.8%)	OR 0.52 (0.05 to 5.03)	4 fewer per 1.000 (from 7 fewer to 30 more)	⊕○○○ VERY LOW	CRITICAL
Pulmonary complications												
1	observational studies	serious	not serious	serious	very serious	none	5/245 (2.0%)	1/384 (0.3%)	OR 7.98 (0.93 to 68.71)	18 more per 1.000 (from 0 fewer to 150 more)	⊕○○○ VERY LOW	CRITICAL

Pulmonary complications

3	randomised trials	not serious	not serious	not serious	not serious	none	2/252 (0.8%)	9/279 (3.2%)	RD -0.02 (-0.05 to 0.00)	-- per 1.000 (from to --)	⊕⊕⊕⊕ HIGH	CRITICAL
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Morphine consumption (assessed with: mg in first 24 h postoperative)

8	randomised trials	not serious	not serious	not serious	not serious	none	345	376	-	MD 1.66 mg lower (2.43 lower to 0.88 higher)	⊕⊕⊕⊕ HIGH	IMPORTANT
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VAS score (30 min - 1 h) (assessed with: 1-10)

5	randomised trials	not serious	not serious	very serious	not serious	none	101	213	-	MD 0.64 number lower (1.21 lower to 0.07 lower)	⊕⊕○○ LOW	IMPORTANT
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VAS score (6h)

3	randomised trials	not serious	not serious	not serious	not serious	none	126	148	-	MD 1.71 number lower (3.49 lower to 0.06 higher)	⊕⊕⊕⊕ HIGH	IMPORTANT
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VAS score (12h)

2	randomised trials	not serious	not serious	not serious	not serious	none	98	120	-	MD 0.75 number lower (1.6 lower to 0.1 higher)	⊕⊕⊕⊕ HIGH	IMPORTANT
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Length of stay in PACU (assessed with: min)

2	randomised trials	not serious	not serious	not serious	not serious	none	112	121	-	MD 0.99 min lower (1.45 lower to 0.52 lower)	⊕⊕⊕⊕ HIGH	IMPORTANT
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Nausea and Vomiting

4	randomised trials	not serious	not serious	not serious	not serious	none	36/190 (18.9%)	76/216 (35.2%)	OR 0.40 (0.25 to 0.64)	173 fewer per 1.000 (from 232 fewer to 94 fewer)	⊕⊕⊕⊕ HIGH	IMPORTANT
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CI: Confidence interval; **OR:** Odds ratio; **MD:** Mean difference