

Summary of findings:

LMA compared to DLT/ETT for VATS

Patient or population: VATS

Setting: Inpatient

Intervention: LMA

Comparison: DLT/ETT

Outcomes	Anticipated absolute effects* (95% CI)		Relative effect (95% CI)	N ^o of participants (studies)	Certainty of the evidence (GRADE)	Comments
	Risk with [对照]	Risk with [干预]				
Postoperative hospital stay	–	SMD 0.47 SD lower (0.98 lower to 0.03 higher)	–	542 (5 RCTs)	⊕⊕○○ Low ^{a,b}	a. high risk of bias; b. significant heterogeneity
Throat discomfort	349 per 1,000	98 per 1,000 (59 to 167)	RR 0.28 (0.17 to 0.48)	642 (6 RCTs)	⊕⊕⊕⊕ High	–
Hoarseness	292 per 1,000	105 per 1,000 (47 to 236)	RR 0.36 (0.16 to 0.81)	522 (5 RCTs)	⊕⊕⊕○ Moderate ^b	b. significant heterogeneity
Postoperative awake time	–	SMD 2.19 SD lower (3.49 lower to 0.89 lower)	–	544 (5 RCTs)	⊕⊕○○ Low ^{a,b}	a. high risk of bias; b. significant heterogeneity
Intraoperative minimum SpO2	–	SMD 0 SD (0.49 lower to 0.49 higher)	–	167 (2 RCTs)	⊕⊕○○ Low ^{a,b,c}	a. high risk of bias; b. significant heterogeneity; c. small sample size
Hypoxemia	25 per 1,000	25 per 1,000 (7 to 99)	RR 1.00 (0.26 to 3.89)	315 (2 RCTs)	⊕⊕⊕⊕ High	–
Intraoperative highest PetCO2	–	SMD 0.51 SD higher (0.12 lower to 1.15 higher)	–	227 (3 RCTs)	⊕⊕⊕○ Moderate ^b	b. significant heterogeneity
Surgical field satisfaction	979 per 1,000	989 per 1,000 (960 to 1,000)	RR 1.01 (0.98 to 1.03)	569 (5 RCTs)	⊕⊕⊕⊕ High	–
Anesthesia time	–	SMD 0.1 SD lower (0.3 lower to 0.1 higher)	–	590 (6 RCTs)	⊕⊕⊕⊕ High	–
Operation time	–	SMD 0.06 SD higher (0.13 lower to 0.24 higher)	–	697 (7 RCTs)	⊕⊕⊕⊕ High	–
Blood loss	–	SMD 0.13 SD lower (0.33 lower to 0.07 higher)	–	384 (3 RCTs)	⊕⊕⊕⊕ High	–

*The risk in the intervention group (and its 95% confidence interval) is based on the assumed risk in the comparison group and the **relative effect** of the intervention (and its 95% CI).

CI: confidence interval; RR: risk ratio; SMD: standardised mean difference

GRADE Working Group grades of evidence High certainty: we are very confident that the true effect lies close to that of the estimate of the effect. **Moderate certainty:** we are moderately confident in the effect estimate: the true effect is likely to be close to the estimate of the effect, but there is a possibility that it is substantially different. **Low certainty:** our confidence in the effect estimate is limited: the true effect may be substantially different from the estimate of the effect. **Very low certainty:** we have very little confidence in the effect estimate: the true effect is likely to be substantially different from the estimate of effect.

Explanations

- a. high risk of bias
- b. significant heterogeneity
- c. small sample size