

Systematic Review and Meta-Analysis of Efficiency and Safety of Double-Lumen Tube and Bronchial Blocker for One-Lung Ventilation

Supplementary Digital File

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Table S1: Pooled analysis of baseline patients characteristics

Adverse event	No. of studies	Event / Participants or MD (SD)		Events		Heterogeneity between Trials		p-Value for Differences across Groups
		DLT	BB	OR or MD	95%CI	p-Value	I ² statistics	
Age	19	54.8 (12.9)	56.7 (12.8)	-0.23	-1.72 to 1.26	<0.001	71%	0.76
Sex, male	17	358/582 (61.5%)	392/648 (60.5%)	1.05	0.83 to 1.33	0.96	0%	0.69
Body mass index	10	26.2 (5.9)	25.8 (6.3)	0.30	-0.68 to 1.29	<0.001	71%	0.55
ASA								
1 class	8	81/323 (25.1%)	77/316 (24.4%)	1.09	0.71 to 1.65	0.60	0%	0.70
2 class	8	122/323 (37.8%)	121/316 (38.3%)	0.97	0.67 to 1.42	0.63	0%	0.89
3 class	8	108/323 (33.4%)	105/316 (33.2%)	0.97	0.57 to 1.66	0.86	0%	0.92
4 class	8	12/323 (3.7%)	12/316 (4.1%)	0.96	0.42 to 2.19	0.70	0%	0.92

Legend: ASA: American Society of Anesthesiologists classification; BB: bronchial blocker; CI: confidence interval; DLT: double lumen tube; MD: mean difference; OR: odds ratio

	Risk of bias domains					
	D1	D2	D3	D4	D5	Overall
Study	Bauer et al. 2001	+	-	+	+	+
	Bussieres et al. 2016	+	+	+	+	+
	Campos et al. 1996	+	+	-	+	+
	Campos et al. 1998	+	+	-	+	+
	Campos et al. 2003	+	+	-	+	+
	Campos et al. 2012	+	+	-	+	+
	Cheng et al. 2019	+	+	-	+	+
	Dumans-Nizard et al. 2009	+	+	+	+	+
	Grocott et al. 2003	+	+	+	+	+
	Knoll et al. 2006	+	+	+	+	+
	Liu et al. 2020	+	+	+	+	+
	Lu et al. 2018	+	+	X	+	+
	Morris et al. 2021	+	+	+	+	+
	Mourisse et al. 2013	+	+	+	+	+
	Narayanaswamy et al. 2009	+	+	+	+	+
	Niu et al. 2018	+	+	+	+	+
	Ren et al. 2021	+	+	+	+	+
	Risse et al. 2022	+	+	+	+	+
	Ruetzler et al. 2011	+	+	+	+	+
	Shaban et al. 2019	+	+	+	+	+
	Xu et al. 2021	+	+	+	+	+
	Yoo et al. 2014	+	+	+	+	+
	Yoo et al. 2019	+	+	+	+	+
	Zhang et al. 2020	+	+	X	+	+
	Zhong et al. 2009	+	+	X	+	+

Domains:
D1: Bias arising from the randomization process.
D2: Bias due to deviations from intended intervention.
D3: Bias due to missing outcome data.
D4: Bias in measurement of the outcome.
D5: Bias in selection of the reported result.

Judgement
X High
- Some concerns
+ Low

Figure S1: A summary table of re-view authors' judgements for each risk of bias item for each randomized study

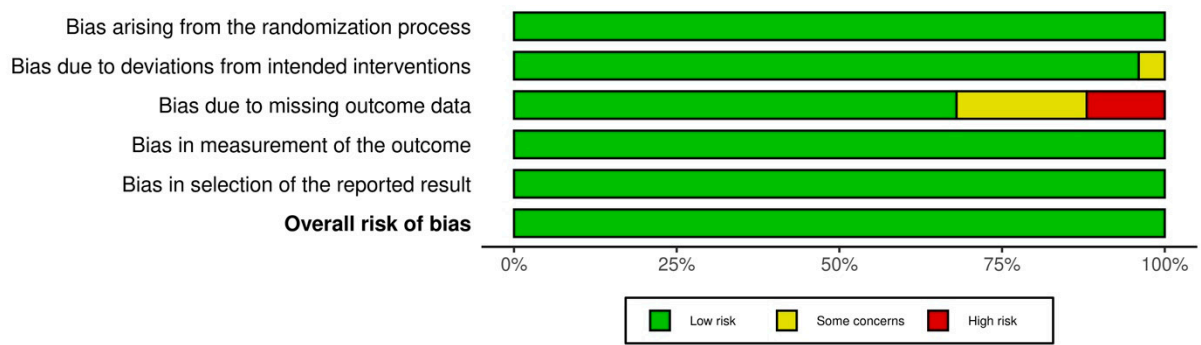


Figure S2: A plot of the distribution of review authors' judgements across randomized studies for each risk of bias item.