

**Supplementary document 3:** The sensitivity analysis of effect of dexmedetomidine on PONV

Study	Odds Ratio	95% CI
Omitting Asri 2020	0.51	[0.37, 0.70]
Omitting Bafna 2021	0.46	[0.33, 0.63]
Omitting Bakri 2015	0.47	[0.34, 0.66]
Omitting Bakshi 2020	0.47	[0.34, 0.64]
Omitting Bala 2019	0.50	[0.36, 0.69]
Omitting Bielka 2018	0.51	[0.37, 0.70]
Omitting Chen 2016	0.47	[0.34, 0.65]
Omitting Chen 2020	0.49	[0.36, 0.68]
Omitting Chen2021	0.49	[0.35, 0.67]
Omitting Chen 2021	0.51	[0.37, 0.70]
Omitting Das 2018	0.51	[0.37, 0.70]
Omitting Lu 2021	0.42	[0.29, 0.60]
Omitting Peng 2015	0.53	[0.38, 0.73]
Omitting Pi 2021	0.49	[0.36, 0.68]
Omitting Prashantha 2021	0.52	[0.37, 0.72]
Omitting Wu2019	0.52	[0.38, 0.71]
Omitting Wu 2019	0.49	[0.36, 0.68]
Omitting Yan 2021	0.46	[0.34, 0.64]
<b>Random effects model</b>	<b>0.48</b>	<b>[0.32, 0.73]</b>