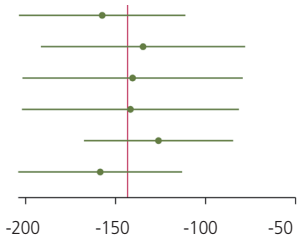
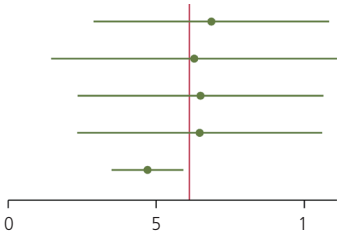
A

Omitted study	MD with 95% CI	*P*-value
Bhutani et al. [12] (2020)	-157.46 [-203.73, -111.20]	0.000
Nivedhana et al. [3] (2018)	-134.75 [-191.49, -78.01]	0.000
Sallam and shady [10] (2019) IV	140.56 [-201.76, -79.36]	0.000
Sallam and shady [10] (2019) T	-141.77 [-202.05, -81.48]	0.000
Singh and Bindal [11] (2020)	-126.15 [-167.60, -84.71]	0.000
Topsoee et al. [5] (2016)	-158.55 [-204.08, -113.02]	0.000



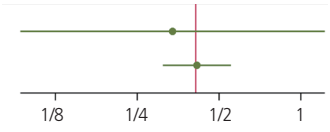
B

Omitted study	MD with 95% CI	*P*-value
Bhutani et al. [12] (2020)	0.69 [0.29, 1.08]	0.001
Nivedhana et al. [3] (2018)	0.63 [0.15, 1.11]	0.011
Sallam and shady [10] (2019) IV	0.65 [0.23, 1.06]	0.002
Sallam and shady [10] (2019) T	0.65 [0.23, 1.06]	0.002
Singh and Bindal [11] (2020)	0.47 [0.35, 0.59]	0.000



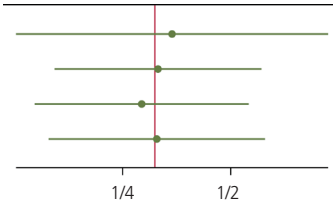
C

Omitted study	MD with 95% CI	*P*-value
Singh and Bindal [11] (2020)	0.34 [0.09, 1.22]	0.098
Topsoee et al. [5] (2016	0.41 [0.31, 0.55]	0.000



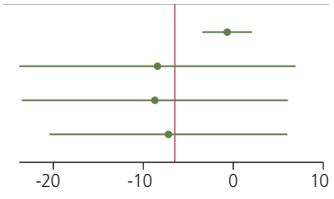
D

Omitted study	MD with 95% CI	*P*-value
Nivedhana et al. [3] (2018)	-0.34 [0.13, 0.93]	0.036
Sallam and shady [10] (2019) IV	0.31 [0.16, 0.61]	0.001
Sallam and shady [10] (2019) T	0.28 [0.14, 0.56]	0.000
Topsoee et al. [5] (2016)	0.31 [0.16, 0.62]	0.001



E

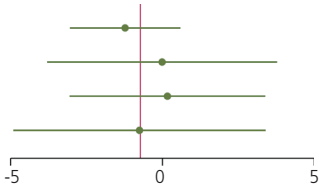
Omitted study	MD with 95% CI	*P*-value
Bhutani et al. [12] (2020)	-0.67 [-3.44, 2.09]	0.632
Sallam and shady [10] (2019) IV	-8.42 [-23.77, 6.92]	0.282
Sallam and shady [10] (2019) T	-8.72 [-23.51, 6.07]	0.248
Topsoee et al. [5] (2016)	-7.20 [-20.42, 6.01]	0.285



Supplementary Fig. 1. Leave-one-out sensitivity analyses for the efficacy endpoints: (A) mean estimated intraoperative blood loss, (B) mean postoperative hemoglobin level, (C) requirement rate for intraoperative hemostatic agents, (D) requirement rate for postoperative blood transfusion, (E) mean duration of surgery, and (F) mean duration of hospital stay. MD, mean difference; CI, confidence interval; RR, risk ratio.

F

Omitted study	MD with 95% CI	*P*-value
Bhutani et al. [12] (2020)	-0.12 [-0.30, 0.06]	0.185
Sallam and shady [10] (2019)	-0.00 [-0.38, 0.38]	0.995
Sallam and shady [10] (2019)	0.02 [-0.31, 0.34]	0.921
Topsoee et al. [5] (2016)	-0.08 [-0.49, 0.34]	0.721



Supplementary Fig. 1. Continued.