

Figure S1 Funnel plots for the mortality outcome. Individual circles indicate studies included in the aggregated pool. The position of these circles along the horizontal axis represents the effect-estimate in log of the OR. This is plotted against the inverse of the SE of the log-OR which is an estimate of study precision. Asymmetry is suggestive of small study or publication bias causing overestimation of the effect size in a meta-analysis. OR, odds ratio; SE, standard error.

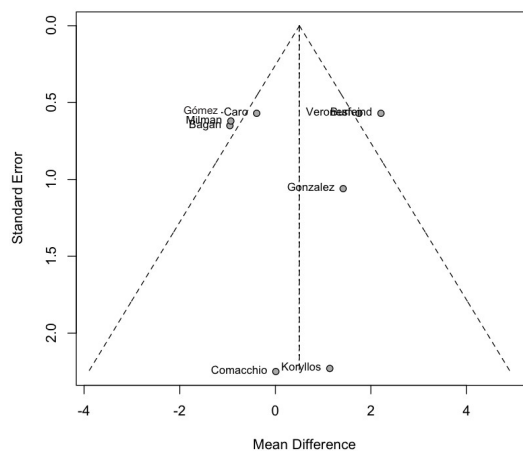


Figure S3 Funnel plots for the anastomosis complications outcome. Individual circles indicate studies included in the aggregated pool. The position of these circles along the horizontal axis represents the effect-estimate in log of the OR. This is plotted against the inverse of the SE of the log-OR which is an estimate of study precision. Asymmetry is suggestive of small study or publication bias causing overestimation of the effect size in a meta-analysis. OR, odds ratio; SE, standard error.

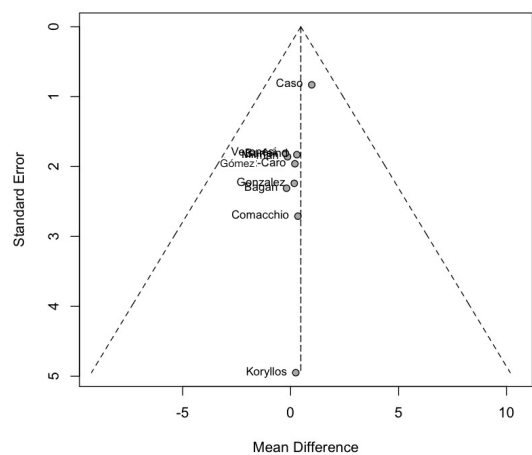


Figure S2 Funnel plots for the morbidity outcome. Individual circles indicate studies included in the aggregated pool. The position of these circles along the horizontal axis represents the effect-estimate in log of the OR. This is plotted against the inverse of the SE of the log-OR which is an estimate of study precision. Asymmetry is suggestive of small study or publication bias causing overestimation of the effect size in a meta-analysis. OR, odds ratio; SE, standard error.

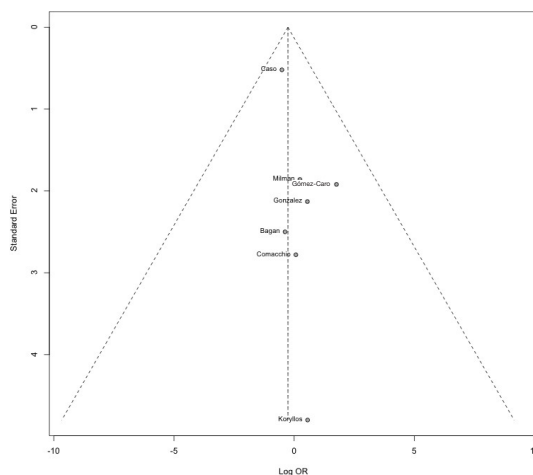


Figure S4 Funnel plots for the 5-year survival outcome. Individual circles indicate studies included in the aggregated pool. The position of these circles along the horizontal axis represents the effect-estimate in log of the OR. This is plotted against the inverse of the SE of the log-OR which is an estimate of study precision. Asymmetry is suggestive of small study or publication bias causing overestimation of the effect size in a meta-analysis. OR, odds ratio; SE, standard error.

Appendix 1

Search strategy: for EMBASE (all field)

#1. lobectomy
#2. 'sleeve lobectomy'
#3. 'sleeve resection'
#4. 'bronchial resection'
#5. 'bronchial anastomosis'
#6. 'bronchial suture'
#7. 'pulmonary suture'
#8. 'pulmonary anastomosis'
#9. 'lung anastomosis'
#10. 'lung suture'
#11. 'lung resection'
#12. bronchoplasty
#13. #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12
#14. 'pre-operative treatment'
#15. 'induction treatment'
#16. 'neoadjuvant treatment'
#17. 'pre-surgery therapy'
#18. 'pre-operative therapy'
#19. 'induction therapy'
#20. 'neoadjuvant therapy'
#21. #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20
#22. #13 AND #21
#23. #22 AND (2000:py OR 2001:py OR 2002:py OR 2003:py OR 2004:py OR 2005:py OR 2006:py OR 2007:py OR 2008:py OR 2009:py OR 2010:py OR 2011:py OR 2012:py OR 2013:py OR 2014:py OR 2015:py OR 2016:py OR 2017:py OR 2018:py OR 2019:py OR 2020:py)