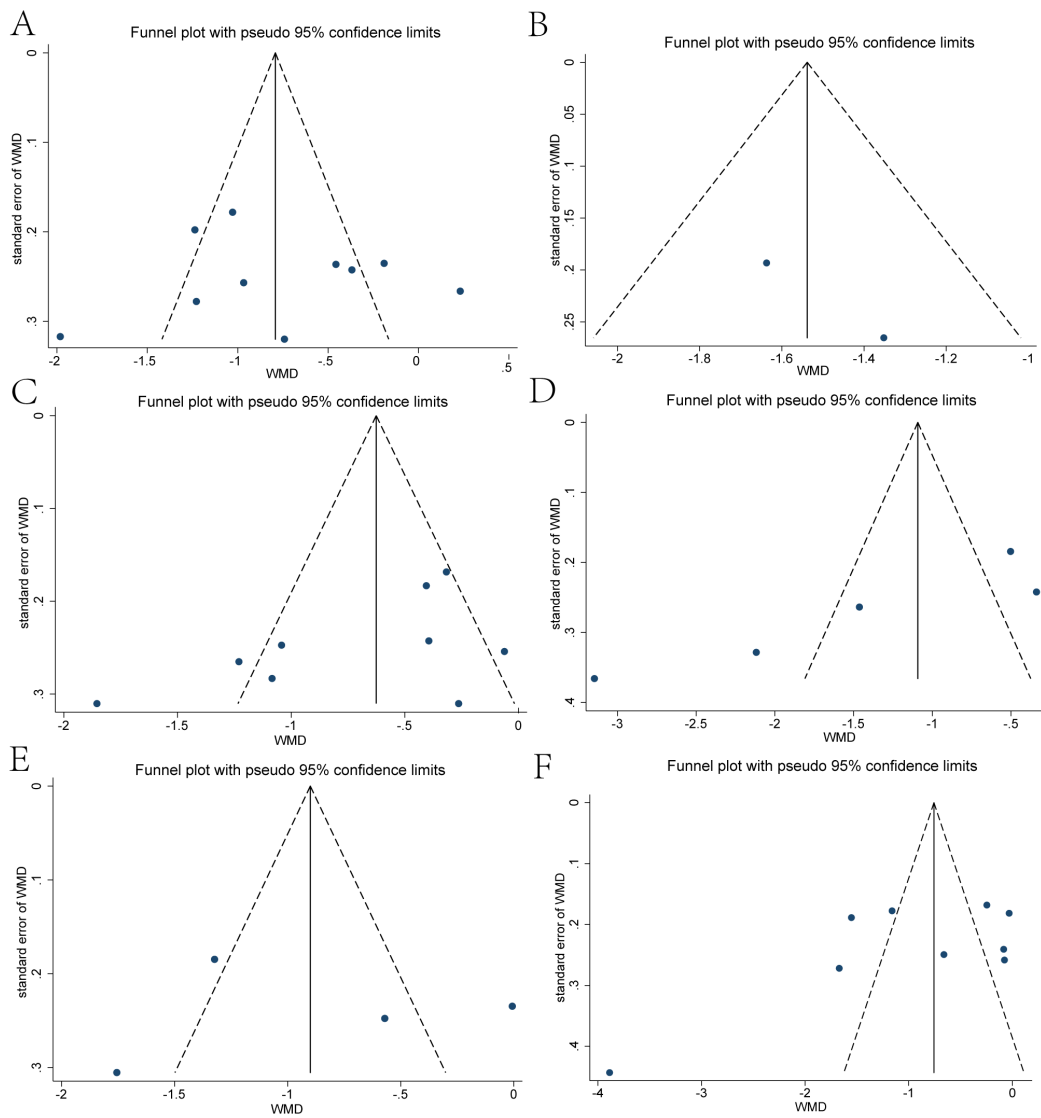**Figure S1** Funnel plot of the postoperative complications, tumor recurrence, and R0 resection rates. (A) Funnel plot of postoperative complications. meta-analysis of postoperative complications in the patients who underwent (B) ER and (C) LR. meta-analysis of the tumor recurrence rate in the patients who underwent (D) ER and (E) LR. (F) meta-analysis of the R0 resection rates in patients who underwent (F) ER and (G) LR. SE, standard error; OR, odds ratio; ES, effect size; ER, endoscopic resection; LR, laparoscopic resection.
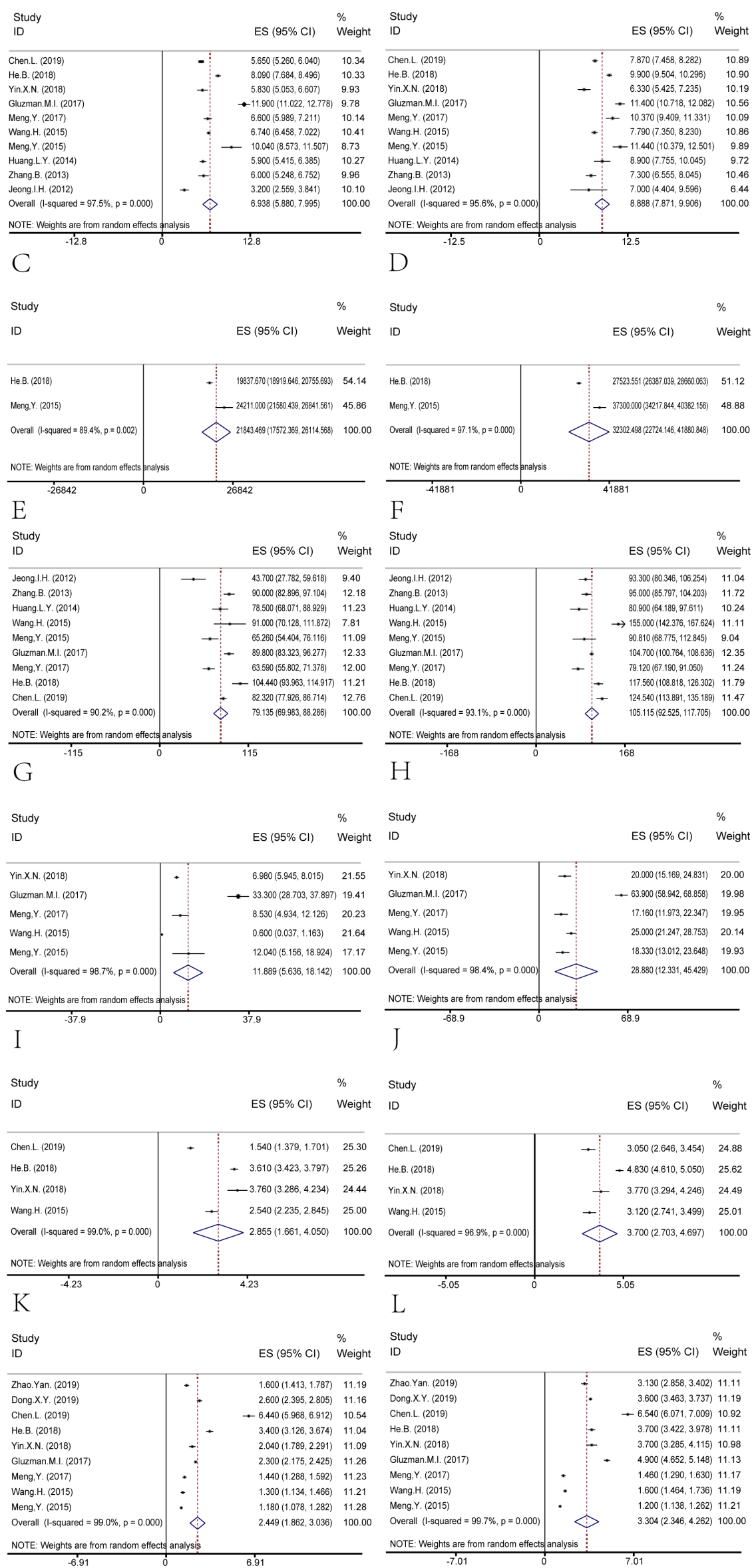
**Figure S2** Forest plots of the meta-analysis of other outcomes. Length of hospital stay for the patients who underwent (A) ER and (B) LR. Total hospital charges for the patients who underwent (C) ER and (D) LR. Operative time for the patients who underwent (E) ER and (F) LR. Intraoperative blood loss for the patients who underwent (G) ER and (H) LR. Postoperative dietary recovery time for the patients who underwent (I) ER and (J) LR. Tumor size for the patients who underwent (K) ER and (L) LR. ES, effect size; CI, confidence interval; ER, endoscopic resection; LR, laparoscopic resection.

**Figure S3** Funnel plot of the patients undergoing endoscopy and laparoscopy. (A) Length of hospital stay. (B) Total hospital charges. (C) Operative time. (D) Intraoperative blood loss. (E) Postoperative dietary recovery time. (F) Tumor size. WMD, weighted mean difference.

Quantitative Assessment for Publication Bias

|  | postoperative complications | Operative time | Hospital stay | Tumor size | Diet recovery | Intraoperative blood loss | Hospitalization cost |
|---|---|---|---|---|---|---|---|
| Number of studies | 10 | 9 | 10 | 9 | 4 | 5 | 2 |
| P value for Egger tests | 0.908 | 0.124 | 0.927 | 0.173 | 0.978 | 0.037 | – |

Egger's test for Single arm meta-analysis

Table1. Endoscopic resection

|  | postoperative complications | Tumor recurrence rate | R0 resection rate |
|---|---|---|---|
| Number of studies | 10 | 11 | 10 |
| P value | 0.412 | 0.605 | 0.408 |

Table2. Laparoscopic resection

|  | postoperative complications | Tumor recurrence rate | R0 resection rate |
|---|---|---|---|
| Number of studies | 10 | 11 | 10 |
| P value | 0.162 | 0.791 | 0.130 |

**Figure S4** Publication bias and Egger's test results.
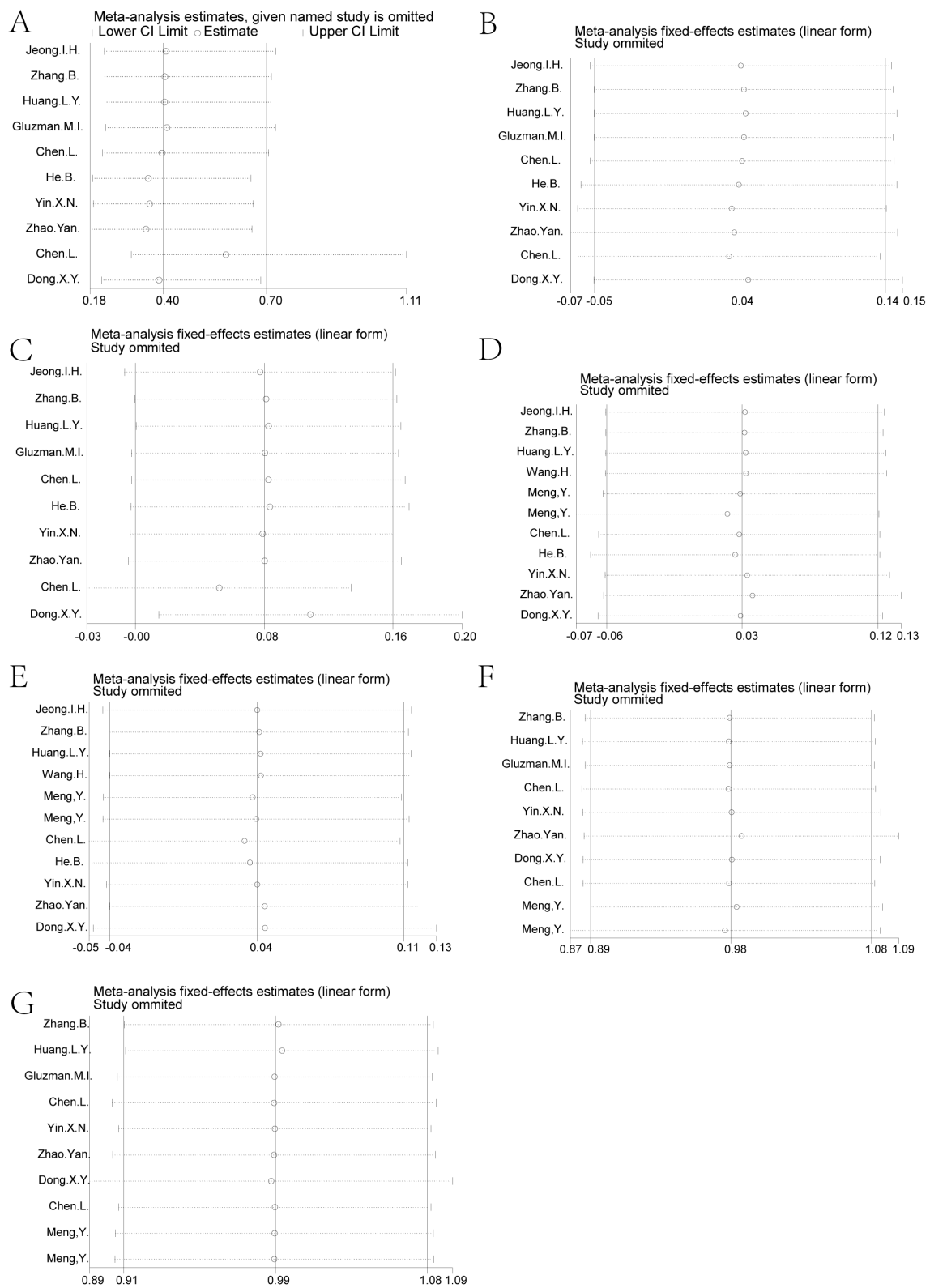
**Figure S5** Sensitivity analysis of postoperative complications. (A) Sensitivity analysis of postoperative complications. Meta-analysis of the patients who underwent (B) ER and (C) LR. Meta-analysis of tumor recurrence following (D) ER and (E) LR. Meta-analysis of the R0 resection rates following (F) ER and (G) LR. CI, confidence interval; ER, endoscopic resection; LR, laparoscopic resection.