

**Supplementary Material 1.** Study search strategy

## PubMed

Search	Query	Results
#4	Search: redo OR re-do OR reoperation	125,278
#3	Search: surgery OR resection OR colectomy OR rectosigmoidectomy OR proctocolectomy	5,130,815
#2	Search: neoplasm OR cancer OR tumor	4,935,870
#1	Search: colorectal OR rectal OR rectum	319,208

#5 = #1 AND #2 AND #3 AND #4 = 2,687

## Embase

Search	Query	Results
#4	Search: redo OR re-do OR reoperation	110,796
#3	Search: surgery OR resection OR colectomy OR rectosigmoidectomy OR proctocolectomy	5,842,756
#2	Search: neoplasm OR cancer OR tumor	5,842,756
#1	Search: colorectal OR rectal OR rectum	516,286

#5 = #1 AND #2 AND #3 AND #4 = 3,339

#6 = #5 AND [Embase]/lim = 2,734

#7 = #6 AND [Medline]/lim = 1,582

#8 = #6 NOT #7 = 1,152

## LILACS

Search	Query	Results
#4	Search: redo OR re-do OR reoperation	8,519
#3	Search: surgery OR resection OR colectomy OR rectosigmoidectomy OR proctocolectomy	91,794
#2	Search: neoplasm OR cancer OR tumor	76,265
#1	Search: colorectal OR rectal OR rectum	6,709

#5 = #1 AND #2 AND #3 AND #4 = 53

## CENTRAL

Search	Query	Results
#4	Search: redo OR re-do OR reoperation	5,558
#3	Search: surgery OR resection OR c ectomy OR rectosigmoidectomy OR proctocolectomy	224,710
#2	Search: neoplasm OR cancer OR tumor	204,378
#1	Search: colorectal OR rectal OR rectum	31,003

#5 = #1 AND #2 AND #3 AND #4 = 167