

Author(s):

Date:

Question: Robotic-assisted surgery compared to laparoscopic surgery for rectal cancer surgery

Setting:

Bibliography:

| Certainty assessment | | | | | | | N _e of patients | | Effect | | Certainty | Importance |
|--|-----------------------|--------------|---------------|----------------------|-------------|----------------------|----------------------------|----------------------|----------------------------------|--|------------------|------------|
| N _e of studies | Study design | Risk of bias | Inconsistency | Indirectness | Imprecision | Other considerations | Robotic-assisted surgery | laparoscopic surgery | Relative (95% CI) | Absolute (95% CI) | | |
| Ileus | | | | | | | | | | | | |
| 31 | observational studies | not serious | not serious | not serious | not serious | none | 342/4406 (7.8%) | 1970/16796 (11.7%) | OR 0.86 (0.75 to 0.98) | 15 fewer per 1.000 (from 27 fewer to 2 fewer) | ⊕⊕○○ LOW | |
| Urinary retention | | | | | | | | | | | | |
| 19 | observational studies | not serious | not serious | not serious | not serious | strong association | 56/1844 (3.0%) | 112/2625 (4.3%) | OR 0.65 (0.46 to 0.92) | 15 fewer per 1.000 (from 23 fewer to 3 fewer) | ⊕⊕⊕○ MODERATE | |
| Sexual function (assessed with: IIEF) | | | | | | | | | | | | |
| 5 | observational studies | not serious | not serious | serious ^a | not serious | none | 92 | 102 | - | SMD 0.46 SD higher (0.13 lower to 1.04 higher) | ⊕○○○ VERY LOW | |
| Urinary symptoms (assessed with: IPSS) | | | | | | | | | | | | |
| 7 | observational studies | not serious | not serious | serious ^a | not serious | none | 257 | 265 | - | MD 0.6 fewer (1.17 fewer to 0.03 fewer) | ⊕○○○ VERY LOW | |
| Quality of Life (assessed with: QLQ-C-30) | | | | | | | | | | | | |
| 3 | observational studies | not serious | not serious | serious ^a | not serious | none | 153 | 155 | - | MD 2.99 higher (2.02 higher to 3.95 higher) | ⊕○○○ VERY LOW | |

CI: Confidence interval; **OR:** Odds ratio; **SMD:** Standardised mean difference; **MD:** Mean difference

Explanations

a. subjective questionnaire