**Supplemental Material**

Search Strategy: MEDLINE

Database(s): Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily, Ovid MEDLINE and Versions(R)

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| # | Searches | Results |
| 1 | ((colorectal or colon\* or large intestine\* or Hepatic Flexure\* or Right Colic Flexure\* or Sigmoid\* or Left Colic Flexure\* or Splenic Flexure\*) adj3 (cancer\* or carcinoma\* or neoplas\* or tumo?r\* or malignanc\*)).tw,kw. or cecal neoplasms/ or colorectal neoplasms/ or exp colonic neoplasms/ | 196191 |
| 2 | Incomplete colonoscop\*.tw,kw. | 219 |
| 3 | (staging or (stage adj3 (determination or measurement))).tw,kw. or Neoplasm Staging/ | 193001 |
| 4 | ((carcinoembryonic or carcino-embryonic) adj3 antigen\*).tw,kw. or Carcinoembryonic Antigen/ 20132 | 20132 |
| 5 | (lymphadenectom\* or lymph-adenectom\*).tw,kw | 15001 |
| 6 | (enbloc adj3 resection\*).tw,kw. | 55 |
| 7 | (sentinel adj3 (node\* or lymph or lymphatic) adj4 map\*).tw,kw. | 1509 |
| 8 | (laparoscopic adj7 colectom\*).tw,kw. | 1699 |
| 9 | (hand-assisted adj7 colectom\*).tw,kw. | 88 |
| 10 | (robotic adj7 colectom\*).tw,kw. | 91 |
| 11 | 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 | 222311 |
| 12 | 1 and 11 | 20878 |
| 13 | 12 not (animal/ not human/) | 20646 |
| 14 | limit 13 to (english language and yr="1997 -Current") | 14232 |

Search Strategy: Embase

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| # | Query | Results |
| 15 | #14 NOT ('animal'/exp NOT 'human'/exp) | 4200 |
| 14 | #13 AND ('article'/it OR 'article in press'/it OR 'editorial'/it OR 'letter'/it OR 'review'/it) | 4229 |
| 13 | #12 AND [embase]/lim NOT [medline]/lim AND [english]/lim AND [1997-2017]/py | 7799 |
| 12 | #1 AND #11 | 30037 |
| 11 | #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 | 267433 |
| 10 | (robotic NEAR/7 colectom\*):ti,ab | 156 |
| 9 | ('hand-assisted' NEAR/7 colectom\*):ti,ab | 123 |
| 8 | (laparoscopic NEAR/7 colectom\*):ti,ab | 2707 |
| 7 | (sentinel NEAR/3 (node\* OR lymph OR lymphatic)):ti,ab AND adj4:ti,ab AND map\*:ti,ab | 0 |
| 6 | (enbloc NEAR/3 resection\*):ti,ab | 162 |
| 5 | lymphadenectom\*:ti,ab OR 'lymph-adenectom\*':ti,ab | 21293 |
| 4 | ((carcinoembryonic OR 'carcino-embryonic') NEAR/3 antigen\*):ti,ab OR 'carcinoembryonic antigen'/exp | 35342 |
| 3 | ((staging OR stage) NEAR/3 (determination OR measurement)):ti,ab OR 'cancer staging'/exp | 217580 |
| 2 | 'incomplete colonoscop\*':ti,ab | 509 |
| 1 | ((colorectal OR colon\* OR 'large intestine\*' OR 'hepatic flexure\*' OR 'right colic flexure\*' OR sigmoid\* OR 'left colic flexure\*' OR 'splenic flexure\*') NEAR/3 (cancer\* OR carcinoma\* OR neoplas\* OR tumo?r\* OR malignanc\*)):ti,ab OR 'colon cancer'/exp | 269304 |