

## Supplement 1. Search strategy

| Database | Strategy search  | Field search | Filters             |
|----------|--|--------------|---------------------|
| PubMed   | ((("ovarian cancer*" OR "ovary cancer*" OR "ovarian neoplasm*" OR "ovary neoplasm*" OR "ovarian carcinoma*" OR "ovarian epithelial cancer*" OR "epithelial ovarian cancer*" OR "carcinoma, ovarian epithelial" OR "low-grade ovarian cancer" OR "low grade ovarian cancer" OR "low-grade serous*" OR "low grade serous*" OR "early-stage low-grade*") AND ("primary surgery" OR laparoscopy OR laparotomy OR "open approach" OR "robotic approach" OR "laparoscopic approach" OR "surgical procedures" OR "staging procedures" OR "surgical staging" OR surgical* OR "neoplasm staging" OR "cytoreduction surgical procedures*")) AND ("lymph nodes*" OR "lymph node dissection*" OR "lymph node excision*" OR "para-aortic lymph node*" OR "paraaortic lymphadenectomy*" OR "pelvic lymph node*" OR "lymphadenectomy*" OR "systematic lymphadenectomy*" OR "systematic pelvic*" OR "systematic paraaortic*")) AND (metastas* OR "neoplasm metastas*" OR "lymphatic spread" OR "nodal involvement*" OR "lymph node metastas*" OR "lymphatic metastasis" OR "intraoperative complication") Filters: English | All Fields   | Languages (English) |
| Embase   | ('ovarian cancer*' OR 'ovary cancer*' OR 'ovarian neoplasm*' OR 'ovary neoplasm*' OR 'ovarian carcinoma*' OR 'ovarian epithelial cancer*' OR 'epithelial ovarian cancer*' OR 'carcinoma, ovarian epithelial' OR 'low-grade ovarian cancer' OR 'low grade ovarian cancer' OR 'low-grade serous*' OR 'low grade serous*' OR 'early-stage low-grade*') AND ('primary surgery' OR laparoscopy OR laparotomy OR 'open approach' OR 'robotic approach' OR 'laparoscopic approach' OR 'surgical procedures' OR 'staging procedures' OR 'surgical staging' OR surgical* OR 'neoplasm staging' OR 'cytoreduction surgical procedures*') AND ('lymph nodes*' OR 'lymph node dissection*' OR 'lymph node excision*' OR 'para-aortic lymph node*' OR 'paraaortic lymphadenectomy*' OR 'pelvic lymph node*' OR 'lymphadenectomy*' OR 'systematic lymphadenectomy*' OR 'systematic pelvic*' OR 'systematic paraaortic*') AND (metastas* OR 'neoplasm metastas*' OR 'lymphatic spread' OR 'nodal involvement*' OR 'lymph node metastas*' OR 'lymphatic metastasis' OR 'intraoperative complication') AND [english]/lim    | All Fields   | Languages (English) |

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|----------|---|---|--------------------|
| Cochrane | ("ovarian cancer*" OR "ovary cancer*" OR "ovarian neoplasm*" OR "ovary neoplasm*" OR "ovarian carcinoma*" OR "ovarian epithelial cancer*" OR "epithelial ovarian cancer*" OR "carcinoma, ovarian epithelial" OR "low-grade ovarian cancer" OR "low grade ovarian cancer" OR "low-grade serous*" OR "low grade serous*" OR "early-stage low-grade*") AND ("primary surgery" OR laparoscopy OR laparotomy OR "open approach" OR "robotic approach" OR "laparoscopic approach" OR "surgical procedures" OR "staging procedures" OR "surgical staging" OR surgical* OR "neoplasm staging" OR "cytoreduction surgical procedures*") in All Text AND "lymph nodes*" OR "lymph node dissection*" OR "lymph node excision*" OR "para-aortic lymph node*" OR "paraaortic lymphadenectom*" OR "pelvic lymph node*" OR "lymphadenectom*" OR "systematic lymphadenectom*" OR "systematic pelvic*" OR "systematic paraaortic*" in All Text AND metastas* OR "neoplasm metastas*" OR "lymphatic spread" OR "nodal involvement*" OR "lymph node metastas*" OR "lymphatic metastasis" OR "intraoperative complication" in All Text - (Word variations have been searched)                           | All text  | None               |
| Scopus   | ( TITLE-ABS-KEY ( ( "ovarian cancer*" OR "ovary cancer*" OR "ovarian neoplasm*" OR "ovary neoplasm*" OR "ovarian carcinoma*" OR "ovarian epithelial cancer*" OR "epithelial ovarian cancer*" OR "carcinoma, ovarian epithelial" OR "low-grade ovarian cancer" OR "low grade ovarian cancer" OR "low-grade serous*" OR "low grade serous*" OR "early-stage low-grade*") AND ("primary surgery" OR laparoscopy OR laparotomy OR "open approach" OR "robotic approach" OR "laparoscopic approach" OR "surgical procedures" OR "staging procedures" OR "surgical staging" OR surgical* OR "neoplasm staging" OR "cytoreduction surgical procedures*") ) AND TITLE-ABS-KEY ( "lymph nodes*" OR "lymph node dissection*" OR "lymph node excision*" OR "para-aortic lymph node*" OR "paraaortic lymphadenectom*" OR "pelvic lymph node*" OR "lymphadenectom*" OR "systematic lymphadenectom*" OR "systematic pelvic*" OR "systematic paraaortic*" ) AND TITLE-ABS-KEY ( metastas* OR "neoplasm metastas*" OR "lymphatic spread" OR "nodal involvement*" OR "lymph node metastas*" OR "lymphatic metastasis" OR "intraoperative complication" ) ) AND ( LIMIT-TO ( LANGUAGE , "English" ) ) | Article title, Abstract, Keywords (All fields 12.788) | Language (English) |

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|----------|---|--------------|--|
| Ovid     | <p>1 (("ovarian cancer*" or "ovary cancer*" or "ovarian neoplasm*" or "ovary neoplasm*" or "ovarian carcinoma*" or "ovarian epithelial cancer*" or "epithelial ovarian cancer*" or "carcinoma, ovarian epithelial" or "low-grade ovarian cancer" or "low grade ovarian cancer" or "low-grade serous*" or "low grade serous*" or "early-stage low-grade*") and ("primary surgery" or laparoscopy or laparotomy or "open approach" or "robotic approach" or "laparoscopic approach" or "surgical procedures" or "staging procedures" or "surgical staging" or surgical* or "neoplasm staging" or "cytoreduction surgical procedures*")).ab. and ("lymph nodes*" or "lymph node dissection*" or "lymph node excision*" or "para-aortic lymph node*" or "paraaortic lymphadenectom*" or "pelvic lymph node*" or "lymphadenectom*" or "systematic lymphadenectom*" or "systematic pelvic*" or "systematic paraaortic*").af. and (metastas* or "neoplasm metastas*" or "lymphatic spread" or "nodal involvement*" or "lymph node metastas*" or "lymphatic metastasis" or "intraoperative complication").af.</p> <p>2 limit 3 to english [Limit not valid in Books@Ovid,CLCMR,DARE,CLEED; records were retained]</p> | All Fields   | <p>Language<br/> Publication types<br/> Ovid Full Text<br/> Available<br/> Remove duplicates</p> |