

## Guideline topic: Ovarian Cancer

### General comments

Update of SIGN 75 Epithelial Ovarian Cancer. 2003

### Search coverage

#### Patient searches

The patient search was conducted using the search strategy outlined below in conjunction with the new patient search filter.

Databases covered: **Medline, Embase, CINAHL, PsycINFO**      Dates covered: **2007-2011**

Total hits: 2877

Sifted result: 101

#### Systematic reviews

Databases covered: **Medline, Embase, CINAHL, PsycINFO, Cochrane**      Dates covered: 2003-2012

Total hits: 897

Sifted result: 126

Papers requested: 82

#### RCTs

Databases covered: **Medline, Embase, CINAHL, PsycINFO, Cochrane**      Dates covered: Various depending on topic; see Scope of Searches below

#### Observational studies/ Searches without filter

Databases covered: **Medline, Embase, CINAHL, PsycINFO**      Dates covered: Various depending on topic; see Scope of Searches below

#### Supplementary search on Histological subtypes (no filter search)

Databases covered: *Medline, Embase*

Dates covered: 2008-2012

Total hits: 1330

Sifted result: 28

Papers requested: 17

### Search strategies

The following are listings of the main Medline strategies used for this guideline. All conventions and symbols are from the Ovid implementation of Medline. Strategies used in other databases were substantially the same, though different terminology may have been used to take account of different thesauri used in non-Medline databases. Search filters were added to identify studies of a particular type (systematic review, RCT etc.) Listings of the search filters used by SIGN can be found on the SIGN Web site.

#### Patient/Generic Stem:

Generic stem - Medline

<p>1. exp Ovarian Neoplasms/  2. (ovar* adj5 (cancer* or tumor* or tumour* or neoplas* or malignan* or carcinoma*)).tw.  3. 1 or 2</p> <p>Generic stem - Embase</p> <p>1. exp ovary tumor/  2. (ovar* adj5 (cancer* or tumor* or tumour* or neoplas* or malignan* or carcinoma*)).tw.  3. 1 or 2</p>
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**Scope of searches for RCTs, observational studies and searches without filter**

<b>KQ</b>	<b>Type of studies</b>	<b>Date range</b>	<b>Initial recall</b>	<b>Sifted result</b>
1	NOF	2009-2012	839	21
2	NOF	2002-2012	1483	29
3	RCT	2010-2012	528	0
3	OBS	2010-2012	756	21
4	RCT	2006-2012	557	3
5	NOF	2009-2012	1452	34
6	RCT	2008-2012	3587	2
7	RCT	2008-2012	3587	38
8	RCT	2011-2012	169	3
9	RCT	2006-2012	5151	53
10	RCT	2002-2012	1278	2
10	OBS	2002-2012	483	13
11	NOF	2010-2012	113	0
12	NOF	2004-2012	654	36
13	NOF	2008-2012	1837	40
14	NOF	2007-2012	1951	19
15	NOF	2010-2012	180	8
16	NOF	2007-2012	2761	37

Medline Search strategies used for specific key questions are given below. These search strategies were combined with the generic stem strategy.

**KQ 1(lymphadenectomy in early stage ovarian cancer)**

- 1. exp Lymph Node Excision/
- 2. lymphadenectom\*.tw.
- 3. lymph node\*.tw.
- 4. or/1-3

**KQ 2 (fertility-sparing surgery)**

- 1. exp Surgical Procedures, Operative/
- 2. surg\*.tw.
- 3. surgery.fs.
- 4. or/1-3
- 5. exp Fertility Preservation/
- 6. Fertility/

7. Infertility/
8. Infertility, Female/
9. Organ Sparing Treatments/
10. (fertility adj3 sparing).tw.
11. (fertility adj3 preserv\*).tw.
12. (preserv\* adj5 function\*).tw.
13. (conservative adj3 surgery).tw.
14. (unilateral adj3 oophorectom\*).tw.
15. (minimally adj3 invasive).tw.
16. or/5-15
17. 4 and 16

**KQ 3 (complete versus standard cytoreduction)**

1. exp Surgical Procedures, Operative/
2. surg\*.tw.
3. surgery.fs.
4. or/1-3
5. debulk\*.tw.
6. cytoreduc\*.tw.
7. (ultraradical or ultra-radical or ultra radical).tw.
8. exp Omentum/
9. omentum.tw.
10. bowel.tw.
11. abdom\*.tw.
12. exp Spleen/
13. spleen.tw.
14. exp Liver/
15. liver.tw.
16. exp Diaphragm/
17. diaphragm.tw.
18. exp Lymph Nodes/
19. (lymph adj node\*).tw.
20. exp Peritoneum/
21. peritone\*.tw.
22. exp Urinary Tract/
23. (urinary adj tract).tw.
24. exp Splenectomy/
25. Splenectom\*.tw.
26. exp Hysterectomy/
27. hysterectom\*.tw.
28. exp Lymph Node Excision/

29. (bilateral adj salpingo adj oophorectomy).tw.
30. omentectom\*.tw.
31. exp Surgical Stomas/
32. stoma\*.tw.
33. or/5-32
34. 4 and 33

**KQ 4 (NACT plus surgery for advanced ovarian cancer)**

1. exp Surgical Procedures, Operative/
2. surg\*.tw.
3. surgery.fs.
4. or/1-3
5. (interval or debulk\* or cytoreduc\* or secondary).tw.
6. 4 and 5
7. nact.tw.
8. exp Neoadjuvant Therapy/
9. exp Chemotherapy, Adjuvant/
10. exp Antineoplastic Agents/
11. exp Antineoplastic Protocols/
12. exp Induction Chemotherapy/
13. chemotherap\*.tw.
14. or/7-13
15. 6 and 14

**KQ 5 (surgery for relapsed ovarian cancer)**

1. exp Surgical Procedures, Operative/
2. surg\*.tw.
3. surgery.fs.
4. or/1-3
5. (interval or debulk\* or cytoreduc\* or secondary).tw.
6. 4 and 5

**KQ 6, 7, 9 (Chemotherapy for early, advanced and relapsed ovarian cancer)**

1. chemotherap\*.tw.
2. dt.fs.
3. exp Antineoplastic Protocols/
4. exp chemotherapy, adjuvant/
5. exp consolidation chemotherapy/
6. exp Drug Administration Schedule/
7. Drug Therapy, Combination/
8. exp Induction Chemotherapy/
9. exp Maintenance Chemotherapy/

10. exp Antineoplastic Agents/
11. or/1-10
12. exp Carboplatin/
13. exp Cisplatin/
14. exp Paclitaxel/
15. exp Platinum Compounds/
16. exp Organoplatinum Compounds/
17. exp Taxoids/
18. exp Angiogenesis Inhibitors/
19. exp Antibodies, Monoclonal/
20. exp Enzyme Inhibitors/
21. exp Piperazines/
22. exp Protein Kinase Inhibitors/
23. exp Pyrimidines/
24. exp "Poly(ADP-ribose) Polymerases"/
25. exp Recombinant Fusion Proteins/
26. exp Vascular Endothelial Growth Factor A/
27. or/12-26
28. carboplatin\*.tw.
29. cisplatin\*.tw.
30. paclitaxel\*.tw.
31. taxane\*.tw.
32. bevacizumab.tw.
33. docetaxel\*.tw.
34. PARP\*.tw.
35. trabectedin.tw.
36. platinum\*.tw.
37. gemcitabine\*.tw.
38. doxorubicin\*.tw.
39. pld.tw.
40. topotecan\*.tw.
41. or/28-40
42. 11 or 27 or 41

NOTE: One search for chemotherapy KQs limited to 2008-2012; then sifted according to stage of disease (early, advanced, relapsed)

KQ9 - additional search to cover 2006-2007

### **KQ 8 (Intraperitoneal administration of chemotherapy)**

1. exp Injections, Intraperitoneal/
2. intraperitoneal.tw.
3. intra-peritoneal.tw.

4. exp Infusions, Parenteral/
5. peritone\*.tw.
6. parenteral.tw.
7. regional.tw.
8. or/1-7

**KQ 10 (Hormonal therapies for relapsed ovarian cancer)**

1. exp Tamoxifen/
2. tamoxifen\*.tw.
3. exp Aromatase Inhibitors/
4. (aromatase adj3 inhibitor\*).tw.
5. exp Megestrol Acetate/
6. megace\*.tw.
7. LHRH analogues.tw.
8. exp Gonadotropin-Releasing Hormone/
9. exp Luteinizing Hormone/
10. (hormon\* adj3 therap\*).tw.
11. letrozole\*.tw.
12. exp Nitriles/
13. exp Triazoles/
14. exp Hormones/ad, ae, ag, tu, th [Administration & Dosage, Adverse Effects, Agonists, Therapeutic Use, Therapy]
15. exp Antineoplastic Agents, Hormonal/
16. or/1-15

**KQ 11 (Follow-up)**

1. exp Follow-Up Studies/
2. (follow up or follow-up).tw.
3. exp Aftercare/
4. (aftercare or after care or after-care).tw.
5. surveillance.tw.
6. routine review\*.tw.
7. (early and delayed).tw.
8. or/1-7

**KQ 12 (Symptoms which prompt GPs to consider ovarian cancer)**

1. exp Ovarian Neoplasms/
2. (ovar\* adj5 (cancer\* or tumor\* or tumour\* or neoplas\* or malignan\* or carcinoma\*)).tw.
3. 1 or 2
4. (ovar\* adj10 symptom\*).tw.
5. 3 and 4

6. ((ovar\* adj10 sign) or (ovar\* adj10 signs)).tw.
7. 3 and 6
8. 5 or 7

**KQ 13 (Scoring systems for ovarian cancer)**

1. exp Risk Assessment/
2. exp "Predictive Value of Tests"/
3. exp "Sensitivity and Specificity"/
4. exp ROC Curve/
5. "Diagnostic Techniques, Obstetrical and Gynecological"/
6. (risk\* adj3 scor\*).tw.
7. (risk\* adj3 malignan\*).tw.
8. (predict\* adj3 malignan\*).tw.
9. (predict\* adj3 model\*).tw.
10. (scor\* adj3 (model\* or system\*)).tw.
11. exp "early detection of cancer"/
12. exp ca-125 antigen/
13. or/1-12

**KQ 14 (MRI or PET-CT versus CT for diagnosis/staging of ovarian cancer)**

1. exp Magnetic Resonance Imaging/
2. mri.tw.
3. magnetic resonance imag\*.tw.
4. exp Tomography, X-Ray Computed/
5. exp Positron-Emission Tomography/
6. exp "Positron-Emission Tomography and Computed Tomography"/
7. pet-ct.tw.
8. or/1-7

**KQ 15 (Frozen section for diagnosis/staging of ovarian cancer)**

1. exp Frozen Sections/
2. frozen section\*.tw.
3. 1 or 2

**KQ 16 (Genetic testing for BRCA mutations)**

1. exp Genetic Testing/
2. exp Genetic Markers/
3. exp Genetic Predisposition to Disease/
4. exp Mutation/
5. exp Genes, BRCA1/
6. exp Genes, BRCA2/
7. (Gene\* adj3 mutat\*).tw.
8. (genetic adj3 (test\* or screen\*)).tw.

9. (BRCA1 or BRCA2).tw.
10. exp "Early Detection of Cancer"/
11. exp Early Diagnosis/
12. exp Mass Screening/
13. (early adj3 (detect\* or diagnos\*)).tw.
14. or/1-13

#### **Supplementary search on Histological subtypes**

1. exp Adenocarcinoma, Clear Cell/
2. clear cell.tw.
3. ccc.tw.
4. exp Adenocarcinoma, Mucinous/
5. mucinous.tw.
6. exp Cystadenocarcinoma, Mucinous/ or exp Cystadenocarcinoma, Serous/
7. low grade serous.tw.
8. low-grade serous.tw.
9. LOSC.tw.
10. OVLGSCA.tw.
11. or/1-10