

NATIONAL COLLABORATING CENTRE FOR CANCER

Bladder Cancer Clinical Guideline

Chapter 2 – Patient Centred Care

Literature search summary

Topic A: The information and support needs of patients with bladder cancer, including:

A1: What are the causative and contributory factors that result in the comparatively low levels of reported patient satisfaction (c.f. the National Patient Satisfaction Surveys) for bladder cancer patients within the group of urological cancers?

A2: Which elements of the information and support provided by clinical nurse specialists (CNS)/key workers are most important for bladder cancer patients and/or their carers, at the various stages of the patient pathway?

A3: Which elements of specialist palliative care services are most important for bladder cancer patients and/or their carers during end-of-life care?

1. Literature search details

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	970	30	16/07/2013
<i>Premedline</i>	July 15, 2013	91	6	16/07/2013
<i>Embase</i>	1974 -	962	47	17/07/2013
<i>Cochrane Library</i>	As per database	64	6	16/07/2013
<i>Web of Science (SCI & SSCI)</i>	1970 -	1237	40	17/07/2013
<i>AMED</i>	1985 -	16	2	16/07/2013
<i>Psycinfo</i>	1806 -	17	1	16/07/2013
<i>Cinahl</i>	1937 -	19	2	16/07/2013
<i>PROMS database</i>	As per database	22	17	16/07/2013

Total References retrieved (after de-duplication): 82

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	577	96	23/09/2013
<i>Premedline</i>	Sept 23, 2013	19	3	24/09/2013
<i>Embase</i>	1974 -	1320	196	24/09/2013
<i>Cochrane Library</i>	As per database	86	13	24/09/2013
<i>Web of Science (SCI & SSCI)</i>	1970 -	1867	82	24/09/2013
<i>AMED</i>	1985 -	10	4	18/09/2013
<i>Psycinfo</i>	1806 -	28	8	18/09/2013
<i>Cinahl</i>	1937 -	362	53	24/09/2013

Total References retrieved (after de-duplication): 297

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	637	50	22/07/2013
<i>Premedline</i>	July 19, 2013	34	0	22/07/2013
<i>Embase</i>	1974 -	1033	56	29/07/2013
<i>Cochrane Library</i>	As per database	52	8	22/07/2013
<i>Web of Science (SCI & SSCI)</i>	1970 -	1255	55	30/07/2013
<i>AMED</i>	1985 -	24	5	22/07/2013
<i>Psycinfo</i>	1806 -	3	1	22/07/2013
<i>Cinahl</i>	1937 -	22	4	29/07/2013

Total References retrieved (after de-duplication): 112

Medline search strategy (*This search strategy is adapted to each database*)

Topic A1

- 1 exp Urinary Bladder Neoplasms/
- 2 (bladder\$ adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
- 3 (tcc or transitional cell).mp.
- 4 exp Ureteral Neoplasms/
- 5 bladder neoplasms/
- 6 Urethral Neoplasms/
- 7 ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$)).tw.
- 8 exp Carcinoma, Transitional Cell/
- 9 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8
- 10 patient-centred\$.tw.
- 11 "patient-reported outcom\$".tw.
- 12 PROMS.tw.
- 13 Consumer Satisfaction/
- 14 exp Consumer Participation/
- 15 exp Personal Satisfaction/
- 16 exp Patient Participation/
- 17 exp Attitude to Health/
- 18 exp "Patient Acceptance of Health Care"/
- 19 Patient Compliance/
- 20 exp Patient Satisfaction/
- 21 ((client\$ or patient\$ or user\$ or carer\$ or consumer\$ or customer\$) adj2 (attitud\$ or priorit\$ or perception\$ or preferen\$ or expectation\$ or choic\$ or perspective\$ or view\$ or satisfact\$ or opinion\$ or concern\$ or issue\$)).tw.
- 22 "quality of life".tw.
- 23 or/10-22
- 24 9 and 23

Topic A2

- 1 exp Urinary Bladder Neoplasms/
- 2 (bladder\$ adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
- 3 (tcc or transitional cell).mp.
- 4 exp Ureteral Neoplasms/
- 5 bladder neoplasms/
- 6 Urethral Neoplasms/
- 7 ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$)).tw.
- 8 exp Carcinoma, Transitional Cell/
- 9 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8
- 10 Choice Behavior/
- 11 Decision Making/
- 12 Decision Support Techniques/
- 13 decision\$.tw.
- 14 (choic\$ or preference\$).tw.
- 15 or/10-14
- 16 Patient Compliance/
- 17 Informed Consent/
- 18 Treatment Refusal/
- 19 exp Consumer Satisfaction/
- 20 exp Consumer Participation/
- 21 exp Health Education/
- 22 or/16-21
- 23 15 and 22

24 ((patient\$ or consumer\$) adj1 (decision\$ or choice\$ or prefer\$ or participat\$)).tw.
25 ((man or men) adj1 (decision\$ or choice\$ or prefer\$ or participat\$)).tw.
26 ((personal or interpersonal or individual) adj (decision\$ or choice\$ or prefer\$ or participat\$)).tw.
27 or/23-26
28 Pamphlets/
29 pamphlet\$.tw.
30 (leaflet\$ or diary or diaries or booklet\$ or guidebook\$).tw.
31 sheet\$.tw.
32 Cues/
33 cue\$.tw.
34 (prompt\$ or coach\$).tw.
35 (checklist\$ or check list\$).tw.
36 (written or write).tw.
37 question\$.tw.
38 (card\$ or helpcard\$).tw.
39 (video\$ or tape\$ or cd\$ or film\$ or dvd\$ or telephone\$ or phone\$ or computer\$ or internet or electronic).tw.
40 *internet/
41 or/28-40
42 Communication/
43 communicat\$.tw.
44 Patient Education/
45 ((patient\$ or consumer\$) adj3 (educat\$ or skill\$ or teach\$ or train\$ or coach\$)).tw.
46 42 or 43
47 44 or 45
48 46 and 47
49 41 or 48
50 (preconsultation\$ or pre-consultation\$).tw.
51 Office Visits/
52 (office adj3 visit\$).tw.
53 consult\$.tw.
54 (medical adj3 interview\$).tw.
55 waiting room\$.tw.
56 scheduled appointment\$.tw.
57 ((prior adj3 visit\$) or previsit\$).tw.
58 "Appointments and Schedules"/
59 or/50-58
60 49 and 59
61 (information adj3 need\$).tw.
62 information material\$.tw.
63 (patient\$ adj3 information).tw.
64 (information adj3 web\$1).tw.
65 (information adj3 print\$).tw.
66 (information adj3 electronic\$).tw.
67 or/61-66
68 60 or 67
69 27 or 68
70 9 and 69
71 nurs\$.mp.
72 (key adj worker).tw.
73 CNS.tw.
74 Physician-Patient Relations/ or Hospital-Patient Relations/ or Nurse-Patient Relations/ or Professional-Patient Relations/
75 or/71-74
76 9 and 75
77 exp Psychotherapy/
78 exp Cognitive Therapy/
79 exp Counseling/
80 exp Self-Help Groups/

81 exp Social Support/
 82 exp Hotlines/
 83 exp Telephone/
 84 exp Internet/
 85 ((hot or help\$ or tele\$) adj line\$).mp.
 86 (internet or website\$).mp.
 87 ((cognit\$ or group\$ or psycho\$) adj (therap\$ or supp\$ or session\$)).mp.
 88 ((self help\$ or supp\$ or counsel\$) adj (group\$ or session\$)).mp.
 89 or/77-88
 90 9 and 89
 91 76 or 90

Topic A3

1 exp Urinary Bladder Neoplasms/
 2 (bladder\$ adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
 3 (tcc or transitional cell).mp.
 4 exp Ureteral Neoplasms/
 5 bladder neoplasms/
 6 Urethral Neoplasms/
 7 ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$)).tw.
 8 exp Carcinoma, Transitional Cell/
 9 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8
 10 exp Palliative Care/
 11 exp Terminal Care/
 12 exp Terminally Ill/
 13 palliat\$.mp.
 14 (terminal\$ and (care or caring or ill\$)).mp.
 15 ((advanced or end stage or terminal\$) adj4 (disease\$ or illness\$ or cancer\$ or malignan\$)).mp.
 16 (last year of life or LYOL or life's end or end of life).mp.
 17 or/10-16
 18 9 and 17

2. Health Economics Literature search details

This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on bladder cancer.

3. Any further comments

Basic exclusions filter only and no date limits applied. Any possibly relevant material selected.

4. Update Search

For the update search, the same search criteria/filters were applied as initial search with a date limit of 2013 onwards.

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	103	7	02/06/2014
<i>Premedline (May 30, 2014)</i>	81	5	02/06/2014
<i>Embase</i>	195	10	02/06/2014
<i>Cochrane Library</i>	13	0	02/06/2014
<i>Cinahl</i>	15	2	02/06/2014
<i>Psychinfo</i>	2	0	02/06/2014
<i>AMED</i>	0	0	02/06/2014
<i>Web of Science (SCI & SSCI)</i>	164	8	02/06/2014

Total References retrieved (after de-duplication): 25

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	73	3	02/06/2014
<i>Premedline (May 30, 2014)</i>	27	3	02/06/2014
<i>Embase</i>	345	11	02/06/2014
<i>Cochrane Library</i>	26	0	02/06/2014
<i>Cinahl</i>	0	0	02/06/2014
<i>Psychinfo</i>	4	0	02/06/2014
<i>AMED</i>	0	0	02/06/2014
<i>Web of Science (SCI & SSCI)</i>	342	9	02/06/2014

Total References retrieved (after de-duplication): 37

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	29	0	02/06/2014
<i>Premedline (May 30, 2014)</i>	44	0	02/06/2014
<i>Embase</i>	157	2	02/06/2014
<i>Cochrane Library</i>	10	0	02/06/2014
<i>Cinahl</i>	23	2	02/06/2014
<i>Psychinfo</i>	0	0	02/06/2014
<i>AMED</i>	0	0	02/06/2014
<i>Web of Science (SCI & SSCI)</i>	131	3	02/06/2014

Total References retrieved (after de-duplication): 38

Topic I: Does smoking cessation affect outcomes for patients with bladder cancer?

1. Literature search details

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	852	177	26/10/2012
<i>Premedline</i>	Oct 25, 2012	20	11	26/10/2012
<i>Embase</i>	1974 -	1064	219	31/10/2012
<i>Cochrane Library</i>	As per database	31	1	26/10/2012
<i>Web of Science (SCI & SSCI)</i>	1970 -	890	141	30/10/2012
<i>Psychinfo</i>	1806 -	9	3	26/10/2012
<i>AMED</i>	1985 -	0	0	26/10/2012

Total References retrieved (after de-duplication): 303

Medline search strategy (*This search strategy is adapted to each database*)

- 1 exp Urinary Bladder Neoplasms/
- 2 (bladder\$ adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
- 3 (tcc or transitional cell).mp.
- 4 exp Ureteral Neoplasms/
- 5 bladder neoplasms/
- 6 Urethral Neoplasms/
- 7 ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$)).tw.
- 8 exp Carcinoma, Transitional Cell/
- 9 or/1-8

10 exp "Tobacco Use Cessation"/
 11 exp Smoking Cessation/
 12 Tobacco/ or exp "Tobacco Use Disorder"/
 13 (smoking adj (cessation or ceas\$ or intervention or withdrawal or quit\$ or stop\$)).tw.
 14 exp Smoking/pc, th [Prevention & Control, Therapy]
 15 or/10-14
 16 9 and 15
 17 smok\$.m_titl.
 18 9 and 17
 19 16 or 18
 20 exp Cohort Studies/
 21 exp Mortality/
 22 exp Morbidity/
 23 natural history.ti,ab.
 24 prognos\$.ti,ab.
 25 course.ti,ab.
 26 predict\$.ti,ab.
 27 exp "Outcome Assessment (Health Care)"/
 28 outcome\$1.ti,ab.
 29 (inception adj cohort\$1).ti,ab.
 30 Disease Progression/
 31 exp Survival Analysis/
 32 exp Prognosis/
 33 or/20-32
 34 smok\$.tw.
 35 9 and 33 and 34
 36 19 or 35

2. Health Economics Literature search details

This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on bladder cancer.

3. Any further comments

Basic exclusions filter only and no date limits applied. Any possibly relevant material selected.

4. Update Search

For the update search, the same search criteria/filters were applied as initial search with a date limit of 2012 onwards.

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	195	13	02/06/2014
<i>Premedline (May 30, 2014)</i>	38	10	02/06/2014
<i>Embase</i>	527	36	02/06/2014
<i>Cochrane Library</i>	17	1	02/06/2014
<i>Psychinfo</i>	0	0	02/06/2014
<i>AMED</i>	0	0	02/06/2014
<i>Cinahl</i>	196	0 (after search de-dup)	02/06/2014
<i>Web of Science (SCI & SSCI)</i>	191	27	02/06/2014

Total References retrieved (after de-duplication): 49

NATIONAL COLLABORATING CENTRE FOR CANCER

Bladder Cancer Clinical Guideline

Chapter 3 – Diagnosis & Staging of Bladder Cancer

Literature search summary

Topic B & C: What are the diagnostic accuracies of urine testing technologies for new and recurrent bladder cancer? What are the most effective endoscopic techniques for diagnosing bladder cancer (for example white light, blue light, narrow band cystoscopy)?

1. Literature search details

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	2008 -	1038	381	22/10/2012
<i>Premedline</i>	Oct 19, 2012	90	43	22/10/2012
<i>Embase</i>	2008 -	1711	555	23/10/2012
<i>Cochrane Library</i>	2008 -	95	33	24/10/2012
<i>Web of Science (SCI & SSCI)</i>	2008 -	2087	482	01/11/2012

Total References retrieved (after de-duplication): 1045

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	345	25	20/12/2012
<i>Premedline</i>	Dec 19, 2012	9	5	20/12/2012
<i>Embase</i>	1974 -	105	75	20/12/2012
<i>Cochrane Library</i>	As per database	28	2	20/12/2012
<i>Web of Science (SCI & SSCI)</i>	1970 -	84	62	20/12/2012

Total References retrieved (after de-duplication): 90

Medline search strategy (*This search strategy is adapted to each database*)

Search 1

- 1 Urinary Bladder Neoplasms/
- 2 Hematuria/
- 3 (bladder adj3 (cancer\$ or neoplasms\$ or carci\$)).tw.
- 4 (hematuria or haematuria).tw.
- 5 or/1-4
- 6 *Urinary Bladder Neoplasms/su [Surgery]
- 7 Cystectomy/
- 8 ((bladder adj3 resect\$) or cystectomy or turbt).tw.
- 9 or/6-8
- 10 Cystoscopy/
- 11 cystoscop\$.tw.
- 12 (photo dynamic\$ or photodynamic\$ or fluorescence\$).tw.
- 13 10 or 11
- 14 12 and 13
- 15 hypericin.tw.
- 16 548-04-9.rn.
- 17 hexvix.tw.
- 18 hexaminolevulinate.tw.

19 106-60-5.rn.
20 5-ALA.tw.
21 5-aminolevulinic acid.tw.
22 5-aminolevulinic acid hexyl ester.tw,rn.
23 or/14-22
24 5 or 9
25 23 and 24
26 Tumor Markers, Biological/
27 ((tumo?r or biological or molecular or histolog\$ or biochem\$ or genetic\$ or urine or disease) adj3 marker\$.tw.
28 26 or 27
29 5 and 28
30 In Situ Hybridization, Fluorescence/
31 fluorescence in situ hybridization.tw.
32 urovysion.tw.
33 or/30-32
34 5 and 33
35 Nuclear Proteins/
36 (nuclear matrix protein 22 or nmp22).tw,rn.
37 35 or 36
38 5 and 37
39 Urine/cy [Cytology]
40 Cytodiagnosis/
41 Cell Count/
42 immunocyt\$.mp. or ucyt\$.tw.
43 or/39-42
44 5 and 43
45 or/25 or 29 or 34 or 38 or 44
46 (animals/ or nonhuman/) not humans/
47 45 not 46
48 (editorial or letter or comment or case reports).pt.
49 47 not 48
50 "Sensitivity and Specificity"/
51 ROC Curve/
52 "Predictive Value of Tests"/
53 False Positive Reactions/
54 False Negative Reactions/
55 du.fs.
56 sensitivity.tw.
57 distinguish\$.tw.
58 differentiate.tw.
59 identif\$.tw.
60 detect\$.tw.
61 diagnos\$.tw.
62 (predictive adj4 value\$.tw.
63 accura\$.tw.
64 comparison.tw.
65 or/50-64
66 49 and 65
67 exp Diagnostic Errors/
68 "Reproducibility of Results"/
69 Observer Variation/
70 Diagnosis, Differential/
71 Early Diagnosis/
72 (reliab\$ or reproduc\$.tw.
73 or/67-72
74 49 and 73
75 Prognosis/
76 (predict\$ or prognosis or prognostic).tw.

77 75 or 76
 78 49 and 77
 79 25 or 66 or 74 or 78
 80 limit 79 to ed=20080301-20121022

Search 2

1 exp Urinary Bladder Neoplasms/
 2 (bladder\$ adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
 3 (tcc or transitional cell).mp.
 4 exp Ureteral Neoplasms/
 5 bladder neoplasms/
 6 Urethral Neoplasms/
 7 ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$)).tw.
 8 exp Carcinoma, Transitional Cell/
 9 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8
 10 (narrow adj band).tw.
 11 NBI.tw.
 12 NBIC.tw.
 13 Cystoscopy/mt [Methods]
 14 or/10-13
 15 9 and 14

2. Health Economics Literature search details

This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on bladder cancer.

3. Any further comments

Undertook an update of the following HTA Report from March 2008 onwards:

Mowatt, G. et al Systematic review of the clinical effectiveness and cost-effectiveness of photodynamic diagnosis and urine biomarkers (FISH, ImmunoCyt, NMP22) and cytology for the detection and follow-up of bladder cancer. Health Technology Assessment 2010; 14 (4)

With an additional search on narrow-band imaging as not covered by the HTA - basic exclusions filter only and no date limits applied. Any possibly relevant material selected.

4. Update Search

For the update search, the same search criteria/filters were applied as initial search with a date limit of 2012 onwards.

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	464	60	05/06/2014
<i>Premedline (Jun 4, 2014)</i>	115	50	05/06/2014
<i>Embase</i>	1020	147	05/06/2014
<i>Cochrane Library</i>	19	2	05/06/2014
<i>Web of Science (SCI & SSCI)</i>	503	63	05/06/2014

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	72	18	05/06/2014
<i>Premedline (Jun 4, 2014)</i>	6	3	05/06/2014
<i>Embase</i>	79	29	05/06/2014
<i>Cochrane Library</i>	14	4	05/06/2014
<i>Web of Science (SCI & SSCI)</i>	29	9	05/06/2014

Total References retrieved (after de-duplication): 271

Topic F1 (a & b): Does the technique of transurethral surgery in new and recurrent bladder cancer influence outcomes? And does random biopsy affect outcomes in people with non-muscle invasive bladder cancer?

1. Literature search details

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	1063	117	21/03/2013
<i>Premedline</i>	Mar 21, 2013	64	16	22/03/2013
<i>Embase</i>	1974 -	1465	197	25/03/2013
<i>Cochrane Library</i>	As per database	177	4	22/03/2013
<i>Web of Science (SCI & SSCI)</i>	1970 -	1125	102	26/03/2013

Total References retrieved (after de-duplication): 265

Medline search strategy (*This search strategy is adapted to each database*)

1 exp Urinary Bladder Neoplasms/
2 (bladder\$ adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
3 (tcc or transitional cell).mp.
4 exp Ureteral Neoplasms/
5 bladder neoplasms/
6 Urethral Neoplasms/
7 ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$)).tw.
8 exp Carcinoma, Transitional Cell/
9 or/1-8
10 (TUR or TURBT or TURB).tw.
11 (transurethral adj3 (resect\$ or surg\$)).tw.
12 Urologic Surgical Procedures/
13 Urinary Bladder Neoplasms/su [Surgery]
14 or/10-13
15 9 and 14
16 (muscularis adj3 propria).tw.
17 (detrusor adj3 muscl\$).tw.
18 (random adj3 biops\$).tw.
19 ((exten\$ or complete\$ or enbloc or en-bloc or differentiat\$) adj3 (resect\$ or TURBT or TURB or TUR)).tw.
20 (quality adj3 (transurethral or resect\$ or surg\$ or TURBT or TURB or TUR)).tw.
21 or/16-20
22 9 and 21
23 14 and 21
24 22 or 23
25 limit 15 to systematic reviews
26 24 or 25
27 exp Clinical Competence/
28 9 and 27
29 14 and 27
30 26 or 28 or 29

2. Health Economics Literature search details

This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on bladder cancer.

3. Any further comments

Basic exclusions filter only and no date limits applied. Any possibly relevant material selected.

4. Update Search

For the update search, the same search criteria/filters were applied as initial search with a date limit of 2013 onwards.

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	136	5	02/06/2014
<i>Premedline (May 20, 2014)</i>	91	6	02/06/2014
<i>Embase</i>	309	33	02/06/2014
<i>Cochrane Library</i>	31	0	02/06/2014
<i>Web of Science (SCI & SSCI)</i>	134	11	02/06/2014

Total References retrieved (after de-duplication): 43

Topic D: What is the most effective imaging for staging newly diagnosed and recurrent bladder cancer?

1. Literature search details

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	2623	274	03/10/2013
<i>Premedline</i>	Oct 1, 2013	149	19	03/10/2013
<i>Embase</i>	1974 -	4536	440	08/10/2013
<i>Cochrane Library</i>	As per database	102	11	03/10/2013
<i>Web of Science (SCI & SSCI)</i>	1970 -	3995	208	09/10/2013

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	197	5	16/10/2013
<i>Premedline</i>	Oct 15, 2013	32	1	16/10/2013
<i>Embase</i>	1974 -	704	17	16/10/2013
<i>Cochrane Library</i>	As per database	9	0	16/10/2013
<i>Web of Science (SCI & SSCI)</i>	1970 -	1099	18	21/10/2013

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	1228	214	06/09/2013
<i>Premedline</i>	Sept 5, 2013	29	2	06/09/2013
<i>Embase</i>	1974 -	3283	297	16/09/2013
<i>Cochrane Library</i>	As per database	50	6	09/09/2013
<i>Web of Science (SCI & SSCI)</i>	1970 -	4729	191	11/09/2013

Total References retrieved (after de-duplication): 937

Medline search strategy (*This search strategy is adapted to each database*)

Search 1

- 1 exp Urinary Bladder Neoplasms/
- 2 (bladder\$ adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
- 3 (tcc or transitional cell).mp.
- 4 exp Ureteral Neoplasms/
- 5 bladder neoplasms/
- 6 Urethral Neoplasms/

7 ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$)).tw.
8 exp Carcinoma, Transitional Cell/
9 or/1-8
10 exp Urography/
11 (urograph\$ or IVU or pyelograph\$).tw.
12 10 or 11
13 9 and 12
14 exp Tomography, X-Ray Computed/
15 exp Tomography/
16 (comput\$ adj1 tomogra\$).tw.
17 ((CT or CAT) adj (scan\$ or imaging or examination)).tw.
18 14 or 15 or 16 or 17
19 9 and 18
20 13 or 19

Search 2

1 exp Urinary Bladder Neoplasms/
2 (bladder\$ adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
3 (tcc or transitional cell).mp.
4 exp Ureteral Neoplasms/
5 bladder neoplasms/
6 Urethral Neoplasms/
7 ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$)).tw.
8 exp Carcinoma, Transitional Cell/
9 or/1-8
10 radiography, thoracic/ or bronchography/
11 ((chest or thoracic) adj3 (radiograph\$ or xray or x-ray)).mp.
12 (PET adj (scan\$ or imag\$ or examination)).tw.
13 positron emission tomograph\$.mp.
14 PET\$1.tw.
15 PET-CT.tw.
16 or/10-15
17 9 and 16

Search 3

1 exp Urinary Bladder Neoplasms/
2 (bladder\$ adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
3 (tcc or transitional cell).mp.
4 exp Ureteral Neoplasms/
5 bladder neoplasms/
6 Urethral Neoplasms/
7 ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$)).tw.
8 exp Carcinoma, Transitional Cell/
9 or/1-8
10 exp Magnetic Resonance Imaging/
11 magnet\$ resonance.mp.
12 (MRI or MRI\$1 or NMR\$1).tw.
13 (MR adj (imag\$ or scan\$)).tw.
14 (magnet\$ adj (imag\$ or scan\$)).tw.
15 (magneti?ation adj3 imaging).tw.
16 or/10-15
17 9 and 16

2. Health Economics Literature search details

This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on bladder cancer.

3. Any further comments

Basic exclusions filter only and no date limits applied. Any possibly relevant material selected.

4. Update Search

For the update search, the same search criteria/filters were applied as initial search with a date limit of 2013 onwards.

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	122	5	04/06/2014
<i>Premedline (3 Jun, 2014)</i>	53	1	04/06/2014
<i>Embase</i>	666	35	04/06/2014
<i>Cochrane Library</i>	67	0	04/06/2014
<i>Web of Science (SCI & SSCI)</i>	423	15	04/06/2014

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	30	2	04/06/2014
<i>Premedline (3 Jun, 2014)</i>	38	1	04/06/2014
<i>Embase</i>	223	23	04/06/2014
<i>Cochrane Library</i>	5	1	04/06/2014
<i>Web of Science (SCI & SSCI)</i>	167	9	04/06/2014

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	77	1	04/06/2014
<i>Premedline (3 Jun, 2014)</i>	25	0	04/06/2014
<i>Embase</i>	661	27	04/06/2014
<i>Cochrane Library</i>	10	0	04/06/2014
<i>Web of Science (SCI & SSCI)</i>	495	16	04/06/2014

Total References retrieved (after de-duplication): 71

NATIONAL COLLABORATING CENTRE FOR CANCER

Bladder Cancer Clinical Guideline

Chapter 4 – Management of Non-Muscle Invasive Bladder Cancer

Literature search summary

Topic E: In addition to the factors specified in the EORTC risk tables, do TCC variants, differentiation of TCC and lymphovascular invasion predict recurrence and progression after treatment?

1. Literature search details

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	1456	387	04/03/2013
<i>Premedline</i>	Mar 1, 2013	104	42	04/03/2013
<i>Embase</i>	1974 -	1971	384	05/03/2013
<i>Cochrane Library</i>	As per database	53	9	06/03/2013
<i>Web of Science (SCI & SSCI)</i>	1970 -	2013	219	06/03/2013

Total References retrieved (after de-duplication): 648

Medline search strategy (*This search strategy is adapted to each database*)

1 exp Urinary Bladder Neoplasms/
 2 (bladder\$ adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
 3 (tcc or transitional cell).mp.
 4 exp Ureteral Neoplasms/
 5 bladder neoplasms/
 6 Urethral Neoplasms/
 7 ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$)).tw.
 8 exp Carcinoma, Transitional Cell/
 9 or/1-8
 10 predict.ti.
 11 (validat* or rule*).ti,ab.
 12 (predict* and (outcome* or risk* or model*)).ti,ab.
 13 ((history or variable* or criteria or scor* or characteristic* or finding* or factor*) and (predict* or model* or decision* or identif* or prognos*)).ti,ab.
 14 (decision* and (model* or clinical*)).ti,ab.
 15 (prognostic and (history or variable* or criteria or scor* or characteristic* or finding* or factor* or model*)).ti,ab.
 16 (stratification or discrimination or discriminate or c statistic or "area under the curve" or AUC or calibration or indices or algorithm or multivariable).ti,ab.
 17 ROC Curve/
 18 or/10-17
 19 Models, Statistical/
 20 decision*.ti,ab.
 21 19 and 20
 22 18 or 21
 23 9 and 22
 24 EORTC.tw.
 25 "European Organization for Research and Treatment of Cancer".tw.
 26 24 or 25
 27 23 and 26

28 (EORTC adj3 (score\$ or scoring or risk\$ or model\$ or rule\$ or predict\$ or validat\$ or outcome\$ or table\$ or algorithm\$ or nomogram\$)).tw.
 29 9 and 28
 30 27 or 29
 31 Lymphatic Metastasis/ or Lymph Nodes/
 32 Lymphatic Vessels/
 33 LVI.tw.
 34 ((lymphovascular or lymphatic) adj3 invasion).tw.
 35 or/31-34
 36 23 and 35
 37 33 or 34
 38 9 and 37
 39 36 or 38
 40 Carcinoma, Papillary/
 41 (micropapillary or MPC or MPUC or MPBC or MPV or IMC or IMPC).tw.
 42 40 or 41
 43 23 and 42
 44 (micropapillary adj2 (variant\$ or type\$ or pattern\$ or component\$ or feature\$)).tw.
 45 9 and 44
 46 43 or 45
 47 (nest\$ adj2 (variant\$ or papillary or type\$ or pattern\$ or component\$ or feature\$)).tw.
 48 9 and 47
 49 squamous.tw.
 50 glandular.tw.
 51 sarcomatoid.tw.
 52 ((TCC or transitional) adj2 (variant\$ or differentiation)).tw.
 53 or/49-52
 54 23 and 53
 55 30 or 39 or 46 or 48 or 54
 56 limit 23 to systematic reviews
 57 55 or 56

2. Health Economics Literature search details

This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on bladder cancer.

3. Any further comments

Basic exclusions filter only and no date limits applied. Any possibly relevant material selected.

4. Update Search

For the update search, the same search criteria/filters were applied as initial search with a date limit of 2013 onwards.

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	256	42	03/06/2014
<i>Premedline (2 Jun, 2014)</i>	125	41	03/06/2014
<i>Embase</i>	983	79	03/06/2014
<i>Cochrane Library</i>	8	2	03/06/2014
<i>Web of Science (SCI & SSCI)</i>	308	42	03/06/2014

Total References retrieved (after de-duplication): 148

Topic F2: What are the most effective adjuvant intravesical therapy (chemotherapy or immunotherapy) regimens for low-risk/intermediate and high-risk non-muscle invasive bladder cancer?

1. Literature search details

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	1058	498	10/04/2013
<i>Premedline</i>	Apr 15, 2013	148	66	16/04/2013
<i>Embase</i>	1974 -	1485	555	16/04/2013
<i>Cochrane Library</i>	As per database	633	497	12/04/2013
<i>Web of Science (SCI & SSCI)</i>	1970 -	2571	452	15/04/2013

Total References retrieved (after de-duplication): 920

Medline search strategy (*This search strategy is adapted to each database*)

1 exp Urinary Bladder Neoplasms/
2 (bladder\$ adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
3 (tcc or transitional cell).mp.
4 exp Ureteral Neoplasms/
5 bladder neoplasms/
6 Urethral Neoplasms/
7 ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$)).tw.
8 exp Carcinoma, Transitional Cell/
9 or/1-8
10 exp Mitomycin/
11 (mitomycin\$ or mytomycin\$ or mitomicin\$ or mytomicin\$).tw.
12 (mitosol or mutamycin).tw.
13 50-07-7.rn.
14 exp Epirubicin/
15 (epirubicin or ellence).tw.
16 56420-45-2.rn.
17 exp Doxorubicin/
18 (doxorubicin or adriamycin or rubex).tw.
19 23214-92-8.rn.
20 exp Deoxycytidine/
21 (gemc?tabin\$ or Gemzar\$).mp.
22 (gem?cis or gem?cisplat or gem?carbo).mp.
23 (gem adj (cis or cisplat or carbo)).mp.
24 exp Aziridines/
25 exp Indolequinones/
26 (EO9 or EO-9 or apaziquone or eoquin).tw.
27 114560-48-4.rn.
28 exp BCG Vaccine/
29 (bacillus calmette guerin or bcg).mp.
30 or/10-29
31 9 and 30
32 exp Administration, Intravesical/
33 intravesical drug administration/
34 (intraves\$ or instill\$ or region\$ or install\$).mp.
35 (induction or maintenance).tw.
36 or/32-35
36 31 and 35

37 9 and 35
38 36 or 37

2. Health Economics Literature search details

This topic was identified as an economic priority and further health economics work was undertaken but no additional searches were required. The health economics search undertaken across the population identified any general health economics papers on bladder cancer.

3. Any further comments

Basic exclusions filter and Systematic Reviews and RCT filters were applied as an intervention topic. No date limits applied.

4. Update Search

For the update search, the same search criteria/filters were applied as initial search with a date limit of 2013 onwards.

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	80	14	03/06/2014
<i>Premedline (2 Jun, 2014)</i>	23	5	03/06/2014
<i>Embase</i>	155	35	03/06/2014
<i>Cochrane Library</i>	39	18	03/06/2014
<i>Web of Science (SCI & SSCI)</i>	274	32	03/06/2014

Total References retrieved (after de-duplication): 68

Topic F4: In patients with recurrent bladder cancer and previous low risk bladder cancer does treatment without histological sampling affect outcome?

1. Literature search details

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	2000 -	1036	117	02/09/2013
<i>Premedline</i>	2000 -	212	11	03/09/2013
<i>Embase</i>	2000 -	1796	144	16/09/2013
<i>Cochrane Library</i>	As per database	515	23	04/09/2013
<i>Web of Science (SCI & SSCI)</i>	2000 -	1896	100	18/09/2013

Total References retrieved (after de-duplication): 254

Medline search strategy (*This search strategy is adapted to each database*)

1. exp Urinary Bladder Neoplasms/
2. Ureteral Neoplasms/
3. ((bladder* or urethra* or ureter* or urin* or urotheli* or renal pelvis or calice*) adj3 (cancer* or carcinoma* or adenoma* or adenocarcinoma* or squamous or neoplas* or tumo?* or malignan*)).tw.
4. exp Carcinoma, Transitional Cell/
5. ((recur* or progress*) adj3 ((bladder* or urethra* or ureter* or urin* or urotheli* or renal pelvis or calice*) adj3 (cancer* or carcinoma* or adenoma* or adenocarcinoma* or squamous or neoplas* or tumo?* or malignan*))).tw.
6. or/1-5
7. (active adj1 surveillance).tw.
8. (active adj1 monitor*).tw.
9. watchful wait*.tw.
10. exp Watchful Waiting/

11. (watch* adj2 wait*).tw.
12. (watchful adj2 (observ* or surveillance or monitor*)).tw.
13. (expectant adj2 (surveillance or monitor* or treatment*)).tw.
14. ((defer* or delay*) adj2 (therap* or treatment*)).tw.
15. conservative monitoring.tw.
16. or/7-15
17. exp Cystoscopy/
18. cystoscop*.tw.
19. 17 or 18
20. (follow up or follow-up or followup or surveillance or monitor* or check).tw.
21. 19 and 20
22. (intravesical adj2 chemotherap*).tw.
23. (chemoresection or chemo-resection).tw.
24. 22 or 23
25. (fulguration or electrofulguration).tw.
26. exp Diathermy/
27. (diathermy or cystodiathermy).tw.
28. or/25-27
29. 16 or 21 or 24 or 28
30. 6 and 29

2. Health Economics Literature search details

This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on bladder cancer.

3. Any further comments

Basic exclusions filter only and no date limits applied. Any possibly relevant material selected.

4. Update Search

For the update search, the same search criteria/filters were applied as initial search with a date limit of 2013 onwards.

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	119	4	03/06/2014
<i>Premedline (Jun 2, 2014)</i>	133	3	03/06/2014
<i>Embase</i>	434	21	03/06/2014
<i>Cochrane Library</i>	56	2	08/04/2014
<i>Web of Science (SCI & SSCI)</i>	277	5	03/06/2014

Total References retrieved (after de-duplication): 26

Topic G1: Does re-resection in high risk NMIBC influence outcomes?

1. Literature search details

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	509	95	27/11/2012
<i>Premedline</i>	Nov 26, 2012	33	13	27/11/2012
<i>Embase</i>	1974 -	760	185	28/11/2012
<i>Cochrane Library</i>	As per database	39	10	28/11/2012
<i>Web of Science (SCI & SSCI)</i>	1970 -	877	139	06/12/2012

Total References retrieved (after de-duplication): 257

Medline search strategy (This search strategy is adapted to each database)

1 exp Urinary Bladder Neoplasms/
2 (bladder\$ adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
3 (tcc or transitional cell).mp.
4 exp Ureteral Neoplasms/
5 bladder neoplasms/
6 Urethral Neoplasms/
7 ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$)).tw.
8 exp Carcinoma, Transitional Cell/
9 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8
10 reoperation/ or second-look surgery/
11 ((second\$ or 2nd or subsequent\$ or repeat\$) adj2 (resect\$ or TUR or TURB or TURBT)).tw.
12 (re-resect\$ or reresect\$ or re-TURB or re-TUR or re-TURBT or reTURB or reTUR or reTURBT).tw.
13 (sampl\$ adj2 resect\$).tw.
14 (re adj resect\$).tw.
15 (restaging or re-staging).tw.
16 (re adj staging).tw
17 or/10-16
18 9 and 17
19 Neoplasm, Residual/
20 Neoplasm Staging/
21 19 or 20
22 resection.m_titl.
23 9 and 21 and 22
24 18 or 23

2. Health Economics Literature search details

This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on bladder cancer.

3. Any further comments

Basic exclusions filter only and no date limits applied. Any possibly relevant material selected.

4. Update Search

For the update search, the same search criteria/filters were applied as initial search with a date limit of 2012 onwards.

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	86	10	04/06/2014
<i>Premedline (Jun 3, 2014)</i>	43	6	04/06/2014
<i>Embase</i>	330	30	04/06/2014
<i>Cochrane Library</i>	7	0	04/06/2014
<i>Web of Science (SCI & SSCI)</i>	202	15	04/06/2014

Total References retrieved (after de-duplication): 34

Topic G2: For which patients with non-muscle invasive bladder cancer would primary cystectomy produce better outcomes than BCG?

1. Literature search details

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	1946 -	1569	479	04/06/2014
<i>Premedline</i>	Apr 23, 2014	122	35	04/06/2014
<i>Embase</i>	1974 -	2730	525	04/06/2014
<i>Cochrane Library</i>	As per database	169	105	04/06/2014
<i>Web of Science (SCI & SSCI)</i>	1970 -	546 (focused search)	65	04/06/2014

Total References retrieved (after de-duplication): 810

Medline search strategy (*This search strategy is adapted to each database*)

- 1 exp Urinary Bladder Neoplasms/
- 2 (bladder\$ adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
- 3 (tcc or transitional cell).mp.
- 4 exp Ureteral Neoplasms/
- 5 bladder neoplasms/
- 6 Urethral Neoplasms/
- 7 ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$)).tw.
- 8 exp Carcinoma, Transitional Cell/
- 9 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8
- 10 exp Cystectomy/
- 11 cystectom\$.tw.
- 12 10 or 11
- 13 BCG Vaccine/
- 14 BCG.tw.
- 15 "bacillus calmette-guerin".tw.
- 16 (intravesical adj3 (therap* or treatment)).tw.
- 17 or/13-16
- 18 exp Radiotherapy/
- 19 exp Radiation/
- 20 (radiation or irradiation or radiotherap*).tw.
- 21 exp Chemoradiotherapy/
- 22 (chemoradiotherap* or chemoradiation).tw.
- 23 or/18-22
- 24 9 and 17 and 23
- 25 9 and 12 and 17
- 26 24 or 25
- 27 ((early or earlier or defer* or delay* or immediate) adj3 cystectom*).tw.
- 28 Cystectomy/mt [Methods]
- 29 Time Factors/
- 30 9 and 28 and 29
- 31 9 and 33
- 32 26 or 30 or 31
- 33 (high-risk or high-grade or PT1G3 or T1G3 or T1).m_titl.
- 34 9 and 33
- 35 32 or 34
- 36 (conservative adj (management or treatment)).tw.
- 37 (bladder adj (sparing or conservation)).tw.

38 36 or 37
39 9 and 12 and 28
40 35 or 39

2. Health Economics Literature search details

This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on bladder cancer.

3. Any further comments

Basic exclusions filter only and no date limits applied. Any possibly relevant material selected.

4. Update Search

The figures for the update search have been combined with the initial search (see section 1 above).

Topic F3: What is the optimum treatment for patients with non-muscle invasive bladder cancer who have failed BCG?

1. Literature search details

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	1085	242	01/07/2013
<i>Premedline</i>	June 28, 2013	57	16	02/07/2013
<i>Embase</i>	1974 -	1853	280	05/07/2013
<i>Cochrane Library</i>	As per database	153	17	02/07/2013
<i>Web of Science (SCI & SSCI)</i>	1970 -	1223	155	11/07/2013

Total References retrieved (after de-duplication): 483

Medline search strategy *(This search strategy is adapted to each database)*

- 1 exp Urinary Bladder Neoplasms/
- 2 (bladder\$ adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
- 3 (tcc or transitional cell).mp.
- 4 exp Ureteral Neoplasms/
- 5 bladder neoplasms/
- 6 Urethral Neoplasms/
- 7 ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$)).tw.
- 8 exp Carcinoma, Transitional Cell/
- 9 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8
- 10 BCG Vaccine/
- 11 BCG.tw.
- 12 "bacillus calmette-guerin".tw.
- 13 or/10-12
- 14 ((BCG or bacill\$ or calmett\$ or guerin\$) adj3 (refract\$ or resistan\$ or relaps\$ or intoleran\$ or contraindicat\$ or naive or fail\$)).tw.
- 15 (intravesical adj3 (refract\$ or resistan\$ or relaps\$ or intoleran\$ or contraindicat\$ or naive or fail\$)).tw.
- 16 14 or 15
- 17 9 and 16
- 18 exp Interferons/
- 19 (interferon\$ adj2 (alpha\$ or alfa\$)).tw.
- 20 exp Cystectomy/
- 21 cystectom\$.tw.
- 22 exp Chemoradiotherapy/

23 (chemoradiotherap\$ or chemoradiation or chemoirradiation).tw.
 24 exp Radiotherapy/
 25 exp Radiation/
 26 (radiotherap\$ or radiation or irradiation).tw.
 27 exp Mitomycin/
 28 (mytomycin\$ or mytomycin\$ or mitomycin\$ or mitomicin\$ or mutamycin\$ or mitosol).tw.
 29 50-07-7.rn.
 30 (gemcitabin\$ or gemzar).mp.
 31 B76N6SBZ8R.rn.
 32 or/18-31
 33 Paclitaxel/
 34 (paclitaxel\$ or docetaxel\$).tw.
 35 (taxol\$ or taxotere\$).tw.
 36 33069-62-4.rn.
 37 15H5577CQD.rn.
 38 or/18-37
 39 9 and 13 and 38
 40 17 or 39
 41 Hyperthermia, Induced/
 42 hyperthermia.tw.
 43 (thermochemotherap\$ or thermo-chemotherap\$ or chemohypertherm\$).tw.
 44 (electromotiv\$ adj2 (administrat\$ or instill\$)).tw.
 45 (EDMA or EMDA).tw.
 46 or/41-45
 47 9 and 46
 48 40 or 47

2. Health Economics Literature search details

This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on bladder cancer.

3. Any further comments

Basic exclusions filter only and no date limits applied. Any possibly relevant material selected.

4. Update Search

For the update search, the same search criteria/filters were applied as initial search with a date limit of 2013 onwards.

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	85	8	03/06/2014
<i>Premedline (2 Jun, 2014)</i>	74	4	03/06/2014
<i>Embase</i>	324	16	03/06/2014
<i>Cochrane Library</i>	19	1	03/06/2014
<i>Web of Science (SCI & SSCI)</i>	145	12	03/06/2014

Total References retrieved (after de-duplication): 19

Topic M: What is the most effective intervention for bladder toxicity following radiotherapy or BCG therapy for bladder cancer?

1. Literature search details

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	475	50	16/11/12
<i>Premedline</i>	Nov 15, 2012	24	8	16/11/12
<i>Embase</i>	1974 -	951	205	14/11/12
<i>Cochrane Library</i>	As per database	169	14	20/11/12
<i>Web of Science (SCI & SSCI)</i>	1970 -	725	75	21/11/12
<i>Biomed Central</i>	As per database	35	2	20/11/12
<i>Psychinfo</i>	1806 -	0	0	16/11/12
<i>AMED</i>	1985 -	0	0	16/11/12

Total References retrieved (after de-duplication): 225

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	222	19	13/12/12
<i>Premedline</i>	Dec 13, 2012	2	1	13/12/12
<i>Embase</i>	1974 -	284	29	13/12/12
<i>Cochrane Library</i>	As per database	116	10	14/12/12
<i>Web of Science (SCI & SSCI)</i>	1970 -	203	60	18/12/12
<i>Biomed Central</i>	As per database	14	0	14/12/12
<i>Psychinfo</i>	1806 -	0	0	13/12/12
<i>AMED</i>	1985 -	0	0	13/12/12

Total References retrieved (after de-duplication): 80

Medline search strategy (*This search strategy is adapted to each database*)

1. exp urinary bladder neoplasms/
2. (bladder adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
3. exp carcinoma, transitional cell/
4. (tcc or transitional cell).mp.
5. exp ureteral neoplasms/
6. bladder neoplasms/
7. urethral neoplasms/
8. ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous or neoplas\$ or tumo?r\$ or malignan\$)).tw.
9. or/1-8
10. exp Drug Toxicity/
11. (toxic\$ or failure or refractory or intoleran\$ or resistan\$).tw.
12. 10 or 11
13. BCG Vaccine/
14. (BCG or bacillus calmette guerin or calmette\$ vaccin\$ or oncotice or immucyst or calgevax or monovax or mycobax or pastimmun or ticebcg or tuberculosis vaccin\$ or antituberculosis vaccin\$ or theracys).tw.
15. 13 or 14
16. exp Radiotherapy/
17. (radiotherap\$ or radiation therap\$ or radiation treatment\$ or irradiation).tw.
18. 16 or 17
19. 15 or 18
20. 12 and 19
21. 9 and 20

22. cystectomy/
23. (cystectom\$ or excision or resection\$ or extirpation\$ or cystoprostatectom\$).tw.
24. 22 or 23
25. exp Urinary Catheterization/
26. catheri?ation\$.tw.
27. 25 or 26
28. exp Cholinergic Antagonists/
29. (anticholinergic\$ or anti-cholinergic\$ or cholinergic blocking or cholinergic antagonist\$ or cholinolytic\$ or acetylcholine antagonist\$).tw.
30. (Darifenacin or Flavoxate or Oxybutynin or Propiverine or Solifenacin or Tolterodine or Trospium or Propantheline).tw.
31. or/28-30
32. Pentosan Sulfuric Polyester/
33. (pentosan\$ polysulf\$ or pentosanpolysulf\$ or elmiron or thrombocid or xylan sulfate or pz68 or fibrocid or sp54 or polypentose sulfate or polysulf\$ xylan or sulf\$ xylan or hemoclar).tw.
34. 32 or 33
35. hyaluronic acid/
36. (hyaluronic acid or sodium hyaluron\$ or biolon or cystistat or duralone or hyalgan or hyvisc or etamucine or amvisc or healon or luronit or hyaluronan or amo vitrax).tw.
37. 35 or 36
38. Ofloxacin/
39. (ofloxacin\$ or tarivid or levaquin or quixin or levofloxacin).tw.
40. 38 or 39
41. Isoniazid/
42. (isoniazid\$ or phthivazide or hydrazide isonicotinic acid or tubazide or isonex or ftivazide).tw.
43. 41 or 42
44. 24 or 27 or 31 or 34 or 37 or 40 or 43
45. 21 and 44

Additional Search

1. exp urinary bladder neoplasms/
2. (bladder adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
3. exp carcinoma, transitional cell/
4. (tcc or transitional cell).mp.
5. exp ureteral neoplasms/
6. bladder neoplasms/
7. urethral neoplasms/
8. ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous or neoplas\$ or tumo?r\$ or malignan\$)).tw.
9. or/1-8
10. exp Botulinum Toxins/
11. botulin\$ toxin\$.tw.
12. botox\$.tw.
13. dysport\$.tw.
14. exp Clostridium botulinum/
15. clostridium botulin\$.tw.
16. or/10-15
17. exp Formaldehyde/
18. (formaldehyde or formalin).mp. or formol.tw.
19. 17 or 18
20. Hyperbaric Oxygenation/
21. Hyperbaric oxygen therapy.mp.
22. HBO.mp. or HBOT.tw.
23. or/20-23
24. exp Embolization, Therapeutic/
25. emboli?ation.mp.
26. 24 or 25

27. exp aluminum compounds/ or alum compounds/
28. alum.tw.
29. 27 or 28
30. 16 or 19 or 23 or 26 or 29
31. 9 and 30
32. exp Drug Toxicity/
33. (toxic\$ or failure or refractory or intoleran\$ or resistan\$).tw.
34. BCG Vaccine/
35. (BCG or bacillus calmette guerin or calmette\$ vaccin\$ or oncotice or immucyst or calgevax or monovax or mycobax or pastimmun or ticebcg or tuberculosis vaccin\$ or antituberculosis vaccin\$ or theracys).tw.
36. exp Radiotherapy/
37. (radiotherap\$ or radiation therap\$ or radiation treatment\$ or irradiation).tw.
38. or/34-37
39. 32 or 33
40. 31 and 38 and 39
41. exp BCG Vaccine/ad, ae [Administration & Dosage, Adverse Effects]
42. 9 and 41
43. 39 and 42
44. 40 or 43

2. Health Economics Literature search details

This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on bladder cancer.

3. Any further comments

Basic exclusions filter only and no date limits applied. Any possibly relevant material selected.

4. Update Search

For the update search, the same search criteria/filters were applied as initial search with a date limit of 2012 onwards.

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	82	3	03/06/2014
<i>Premedline (Jun 2, 2014)</i>	38	0	03/06/2014
<i>Embase</i>	305	6	03/06/2014
<i>Cochrane Library</i>	18	3	03/06/2014
<i>Psychinfo</i>	0	0	03/06/2014
<i>AMED</i>	0	0	03/06/2014
<i>Cinahl</i>	0	0	03/06/2014
<i>Web of Science (SCI & SSCI)</i>	80	13	03/06/2014

Total References retrieved (after de-duplication): 21

Topic K1 & K2: What are the optimum follow-up protocols for low-risk and high-risk non-muscle invasive bladder cancer? What is the optimum follow-up protocol for muscle invasive bladder cancer?

1. Literature search details

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	713	298	16/11/2012
<i>Premedline</i>	Nov 14, 2012	32	22	16/11/2012
<i>Embase</i>	1974 -	1032	422	19/11/2012
<i>Cochrane Library</i>	As per database	59	25	16/11/2012
<i>Web of Science (SCI & SSCI)</i>	1970 -	1151	329	16/11/2012
<i>Psycinfo</i>	1806 -	2	0	16/11/2012
<i>AMED</i>	1985 -	7	0	16/11/2012

Total References retrieved (after de-duplication): 518

Medline search strategy (*This search strategy is adapted to each database*)

- 1 exp Urinary Bladder Neoplasms/
- 2 (bladder\$ adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
- 3 (tcc or transitional cell).mp.
- 4 exp Ureteral Neoplasms/
- 5 bladder neoplasms/
- 6 Urethral Neoplasms/
- 7 ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$)).tw.
- 8 exp Carcinoma, Transitional Cell/
- 9 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8
- 10 exp Aftercare/
- 11 (aftercare or after-care or followup or follow-up or surveillance).m_titl.
- 12 ((post-treatment or posttreatment) adj1 evaluation\$).mp. [mp=title, original title, abstract, name of substance word, subject heading word, unique identifier]
- 13 ((post-treatment or posttreatment) adj1 care).mp. [mp=title, original title, abstract, name of substance word, subject heading word, unique identifier]
- 14 ((post-treatment or posttreatment) adj1 monitoring).mp. [mp=title, original title, abstract, name of substance word, subject heading word, unique identifier]
- 15 or/10-14
- 16 9 and 15

2. Health Economics Literature search details

This topic was identified as an economic priority and further health economics work was undertaken but no additional searches were required. The health economics search undertaken across the population identified any general health economics papers on bladder cancer.

3. Any further comments

Basic exclusions filter only and no date limits applied. Any possibly relevant material selected.

4. Update Search

For the update search, the same search criteria/filters were applied as initial search with a date limit of 2012 onwards.

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	75	17	02/06/2014
<i>Premedline (30 May, 2014)</i>	39	10	02/06/2014
<i>Embase</i>	246	56	02/06/2014
<i>Cochrane Library</i>	15	3	02/06/2014
<i>Cinahl</i>	168	0 (after search de-dup)	02/06/2014
<i>Psychinfo</i>	2	1	02/06/2014
<i>AMED</i>	0	0	02/06/2014
<i>Web of Science (SCI & SSCI)</i>	226	34	02/06/2014

Total References retrieved (after de-duplication): 70

NATIONAL COLLABORATING CENTRE FOR CANCER

Bladder Cancer Clinical Guideline

Chapter 5 – Management of Muscle-Invasive Bladder Cancer

Literature search summary

**Topic H3 & H4: Which patients with bladder cancer should be offered neoadjuvant chemotherapy?
Which patients with bladder cancer should be offered adjuvant chemotherapy?**

1. Literature search details

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	2004 -	1330	184	18/03/2013
<i>Premedline</i>	2004 -	351	39	18/03/2013
<i>Embase</i>	2004 -	1353	168	18/03/2013
<i>Cochrane Library</i>	2004 -	126	25	18/03/2013
<i>Web of Science (SCI & SSCI)</i>	2004 -	667	174	18/03/2013

Total References retrieved (after de-duplication): 412

Medline search strategy (*This search strategy is adapted to each database*)

1. exp Urinary Bladder Neoplasms/
2. (bladder adj3 (cancer* or carcinoma* or neoplas* or tumor?r*)).tw.
3. exp Carcinoma, Transitional Cell/
4. (invasive* adj bladder*).tw.
5. MIBC*.tw.
6. exp Urethral Neoplasms/
7. 1 or 2 or 3 or 4 or 5 or 6
8. exp Antineoplastic Combined Chemotherapy Protocols/
9. exp Chemotherapy, Adjuvant/
10. exp Cisplatin/
11. exp Cystectomy/
12. exp Doxorubicin/
13. exp Methotrexate/
14. exp Neoadjuvant Therapy/
15. exp Deoxycytidine/
16. Chemotherap*.tw.
17. adjuvant chemotherapy*.tw.
18. exp Radiotherapy, Adjuvant/
19. adjuvant radiotherap*.tw.
20. neoadjuvant* chemotherapy*.tw.
21. induction* chemotherapy*.tw.
22. perioperative* chemotherapy*.tw.
23. preoperative* chemotherapy*.tw.
24. Cystectomy*.tw.
25. surgery*.tw.
26. exp Drug Therapy/
27. or/8- 26
28. 7 and 27
29. limit 28 to yr="2004 -Current"

2. Health Economics Literature search details

This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on bladder cancer.

3. Any further comments

Basic exclusions filter and Systematic Reviews and RCT filters were applied. Search was executed from 2004 onwards as per GDG decision, because of Cochrane reviews published in 2005.

4. Update Search

For the update search, the same search criteria/filters were applied as initial search with a date limit of 2013 onwards.

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	184	26	02/06/2014
<i>Premedline</i>	426	51	02/06/2014
<i>Embase</i>	231	21	02/06/2014
<i>Cochrane Library</i>	32	6	02/06/2014
<i>Web of Science (SCI & SSCI)</i>	167	31	02/06/2014

Total References retrieved (after de-duplication): 113

Topic H1: In which patient groups with muscle invasive bladder cancer would radical cystectomy produce better outcomes than radical radiotherapy and in which groups would radical radiotherapy produce better outcomes?

1. Literature search details

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	2491	768	11/06/2013
<i>Premedline</i>	June 13, 2013	71	27	14/06/2013
<i>Embase</i>	1974 -	2870	668	13/06/2013
<i>Cochrane Library</i>	As per database	504	152	04/06/2013
<i>Web of Science (SCI & SSCI)</i>	1970 -	596 (focused)	189	22/10/2013

Total References retrieved (after de-duplication): 1210

Medline search strategy (*This search strategy is adapted to each database*)

- 1 exp Urinary Bladder Neoplasms/
- 2 (bladder\$ adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
- 3 (tcc or transitional cell).mp.
- 4 exp Ureteral Neoplasms/
- 5 bladder neoplasms/
- 6 Urethral Neoplasms/
- 7 ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$)).tw.
- 8 exp Carcinoma, Transitional Cell/
- 9 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8
- 10 exp Cystectomy/
- 11 cystectom\$.tw.
- 12 exp Radiotherapy/
- 13 exp Radiation/
- 14 exp Chemoradiotherapy/

15 (radiation or irradiation or radiotherap\$.tw.
 16 (chemoradiotherap\$ or chemoradiation).tw.
 17 10 or 11 or 12 or 13 or 14 or 15 or 16
 18 9 and 17
 19 ((radical or total) adj (cystectom\$ or radiotherap\$ or radiation or irradiation or chemoradiotherap\$ or chemoradiation)).tw.
 20 9 and 19
 21 18 or 20

2. Health Economics Literature search details

This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on bladder cancer.

3. Any further comments

The following Cochrane Review was a useful starting point for this topic:

Shelley M, Barber J, Wilt TJ, Mason M. Surgery versus radiotherapy for muscle invasive bladder cancer. Cochrane Database of Systematic Reviews 2001, Issue 4. Art. No.: CD002079. DOI: 10.1002/14651858.CD002079

Basic exclusions filter and then Systematic Reviews and RCT filters were applied for line 18 (2010 onwards), and observational studies filter (2001 onwards updating Cochrane Review). Then basic exclusions filter and then Systematic Reviews, RCT and observational filters were applied for line 19 (2001 onwards updating Cochrane Review). The GDG did not want to restrict the search to RCTs only, but the search was too large to do full search without filters or date limits, so the search strategy incorporated the terms 'radical' or 'total' in order to limit the results and also used the Cochrane Review above to restrict the date coverage.

4. Update Search

For the update search, an RCT filter was applied with a date limit of 2013 onwards.

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	67	12	04/06/2014
<i>Premedline (Jun 3, 2014)</i>	19	4	04/06/2014
<i>Embase</i>	349	25	04/06/2014
<i>Cochrane Library</i>	39	7	04/06/2014
<i>Web of Science (SCI & SSCI)</i>	65	16	04/06/2014

Total References retrieved (after de-duplication): 42

Topic H2: What is the optimal radiotherapy regimen (including chemoradiotherapy) for patients offered radical radiotherapy for bladder cancer?

1. Literature search details

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1990 -	771	271	19/06/2013
<i>Premedline</i>	June 17, 2013	40	19	18/06/2013
<i>Embase</i>	1990 -	1354	456	25/06/2013
<i>Cochrane Library</i>	As per database	91	34	20/06/2013
<i>Web of Science (SCI & SSCI)</i>	1990 -	760	268	21/06/2013

Total References retrieved (after de-duplication): 581

Medline search strategy (*This search strategy is adapted to each database*)

1 exp Urinary Bladder Neoplasms/
2 (bladder\$ adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
3 (tcc or transitional cell).mp.
4 exp Ureteral Neoplasms/
5 bladder neoplasms/
6 Urethral Neoplasms/
7 ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$)).tw.
8 exp Carcinoma, Transitional Cell/
9 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8
10 exp Radiotherapy/
11 exp Radiation/
12 (radiotherap\$ or radiation or irradiation).tw.
13 or/10-12
14 9 and 13
15 exp Radiation-Sensitizing Agents/
16 Radiation Tolerance/
17 radiosensiti\$.tw.
18 ((radiotherap\$ or radiation or irradiation) adj3 (sensiti\$ or toleran\$ or resistan\$)).tw.
19 (radiosensiti\$ or radioresistan\$).tw.
20 hypoxi\$.tw.
21 or/15-20
22 exp Chemoradiotherapy/
23 (chemoradiotherap\$ or chemoradiation or chemoirradiation).tw.
24 22 or 23
25 exp Mitomycin/
26 (mytomycin\$ or mytomycin\$ or mitomycin\$ or mitomicin\$ or mutamycin\$ or mitosol).tw.
27 exp Fluorouracil/
28 fluorouracil\$.tw.
29 flourouracil\$.tw.
30 5FU\$.tw.
31 5 FU\$.tw.
32 (gemcitabin\$ or gemzar).mp.
33 exp Cisplatin/
34 (cisplatin\$ or cis-platin\$ or platinoI\$ or cis-DDP or cis-diamminedichloroplatinum or DDP).tw.
35 50-07-7.rn.
36 51-21-8.rn.
37 103882-84-4.rn.
38 15663-27-1.rn.
39 or/25-38
40 (carbogen\$ or nicotinamid\$).tw.
41 exp Carbon Dioxide/
42 exp Oxygen/
43 exp Niacinamide/
44 or/40-43
45 14 and 39
46 14 and 44
47 14 and 21
48 9 and 24
49 or/45-48
50 limit 49 to yr="1990 -Current"

2. Health Economics Literature search details

This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on bladder cancer.

3. Any further comments

Basic exclusions filter only. Search was executed from 1990 onwards as per GDG decision due to changes in techniques in this area. Any possibly relevant material selected.

4. Update Search

For the update search, the same search criteria/filters were applied as initial search with a date limit of 2013 onwards.

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	72	13	04/06/2014
<i>Premedline (3 Jun, 2014)</i>	51	10	04/06/2014
<i>Embase</i>	223	45	04/06/2014
<i>Cochrane Library</i>	18	2	04/06/2014
<i>Web of Science (SCI & SSCI)</i>	84	22	04/06/2014

Total References retrieved (after de-duplication): 54

Topic H5: Is bladder reconstruction or urinary stoma the more effective method of urinary diversion?

1. Literature search details

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	2006 -	52	27	12/07/2013
<i>Premedline</i>	July 1, 2013	63	19	12/07/2013
<i>Embase</i>	2006 -	140	42	12/07/2013
<i>Cochrane Library</i>	As per database	68	31	12/07/2013
<i>Web of Science (SCI & SSCI)</i>	2006 -	372	103	12/07/2013

Total References retrieved (after de-duplication): 173

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	80	80	11/07/2013
<i>Premedline</i>	July 10, 2013	9	9	11/07/2013
<i>Embase</i>	1974 -	336	336	11/07/2013
<i>Cochrane Library</i>	As per database	29	29	11/07/2013
<i>Web of Science (SCI & SSCI)</i>	1970 -	297	297	11/07/2013
<i>AMED</i>	1970 -	8	1	11/07/2013
<i>Pscycinfo</i>	1806 -	9	4	11/07/2013

Total References retrieved (after de-duplication): 622 (QoL search – mainly unsifted)

Medline search strategy (*This search strategy is adapted to each database*)

- 1 exp Urinary Bladder Neoplasms/
- 2 (bladder\$ adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
- 3 (tcc or transitional cell).mp.
- 4 exp Ureteral Neoplasms/

5 bladder neoplasms/
6 Urethral Neoplasms/
7 ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$)).tw.
8 exp Carcinoma, Transitional Cell/
9 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8
10 exp Urinary Diversion/
11 Urinary Reservoirs, Continent/
12 Urinary Catheterization/
13 (conduit\$ adj5 (ile\$ or urin\$ or contine\$ or colon\$)).tw.
14 ((continen\$ or incontinen\$ or urin\$) adj2 diversion\$).tw.
15 (reservoir\$ adj5 (ile\$ or urin\$ or contine\$ or colon\$)).tw.
16 (bladder\$ adj2 (substitut\$ or reconstruc\$ or artificial or replac\$)).tw.
17 neobladder\$.tw.
18 (cystoplast\$ or enterocystoplast\$).tw.
19 (continen\$ adj2 outlet\$).tw.
20 (conduit\$ adj2 diversion\$).tw.
21 (urin\$ adj2 stoma\$).tw.
22 mitrofanoff.tw.
23 urostom\$.tw.
24 (urostom\$ or cystostom\$ or ureterostom\$).tw.
25 or/10-24
26 9 and 25

2. Health Economics Literature search details

This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on bladder cancer.

3. Any further comments

Basic exclusions filter and Systematic Reviews and RCT filters were applied. Search was executed from 2006 onwards due to systematic reviews on this topic. Quality of Life search also executed for whole guideline using SchARR QoL search filter and no date limits.

4. Update Search

For the update search, the same search criteria/filters were applied as initial search with a date limit of 2013 onwards.

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	20	0	04/06/2014
<i>Premedline (Jun 3, 2014)</i>	22	4	04/06/2014
<i>Embase</i>	51	2	04/06/2014
<i>Cochrane Library</i>	21	0	04/06/2014
<i>Web of Science (SCI & SSCI)</i>	263	37	04/06/2014

Total References retrieved (after de-duplication): 47

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	13	4	04/06/2014
<i>Pubmed</i>	53	53	04/06/2014
<i>Premedline (Jun 3, 2014)</i>	11	7	04/06/2014
<i>Embase</i>	96	76	04/06/2014
<i>Cochrane Library</i>	14	0	04/06/2014
<i>Web of Science (SCI & SSCI)</i>	45	40	04/06/2014
<i>AMED</i>	0	0	04/06/2014
<i>Psycinfo</i>	1	0	04/06/2014
<i>Cinahl</i>	108	78	04/06/2014

Total References retrieved (after de-duplication): 235 (QoL search – mainly unsifted)

NATIONAL COLLABORATING CENTRE FOR CANCER

Bladder Cancer Clinical Guideline

Chapter 6 – Management of Patients with Advanced Bladder Cancer

Literature search summary

Topic J1 & J2: What is the optimal first-line chemotherapy regimen for patients with incurable locally advanced or metastatic bladder cancer? What is the optimal post first-line chemotherapy regimen for patients with incurable locally advanced or metastatic bladder cancer?

1. Literature search details

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	1013	287	10/01/2013
<i>Premedline</i>	Jan 9, 2013	8	3	10/01/2013
<i>Embase</i>	1974 -	1905	383	15/01/2013
<i>Cochrane Library</i>	As per database	398	120	15/01/2013
<i>Web of Science (SCI & SSCI)</i>	1970 -	1422	287	15/01/2013

Total References retrieved (after de-duplication): 605

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	118	31	28/01/2013
<i>Premedline</i>	Jan 25, 2013	13	3	28/01/2013
<i>Embase</i>	1974 -	454	106	28/01/2013
<i>Cochrane Library</i>	As per database	17	6	28/01/2013
<i>Web of Science (SCI & SSCI)</i>	1970 -	772	108	28/01/2013

Total References retrieved (after de-duplication): 157

Medline search strategy (*This search strategy is adapted to each database*)

Search 1

- 1 exp Urinary Bladder Neoplasms/
- 2 (bladder\$ adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
- 3 (tcc or transitional cell).mp.
- 4 exp Ureteral Neoplasms/
- 5 bladder neoplasms/
- 6 Urethral Neoplasms/
- 7 ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$)).tw.
- 8 exp Carcinoma, Transitional Cell/
- 9 or/1-8
- 10 Paclitaxel/
- 11 (paclitaxel* or docetaxel*).mp.
- 12 (taxol* or taxotere* or abraxane).mp.
- 13 33069-62-4.rn.
- 14 114977-28-5.rn.
- 15 Methotrexate/
- 16 (methotrexate or methotrex\$ or amethopterin or methotrexate hydrate or dicesium salt methotrexate or mexate or

sodium salt methotrexate or disodium salt methotrexate or MTX or amethopte\$ or mexat\$ or MVAC).mp.
17 (Rheumatrex or Trexall).mp.
18 59-05-2.rn.
19 Carboplatin/
20 (carboplatin* or paraplatin* or CBDCA).mp.
21 Cisplatin/
22 (Cisplatin or cis-Diamminedichloroplatinum or Platinum Diamminodichloride or Diamminodichloride, Platinum or cis-Platinum or cis Platinum or Cisplatinum or Dichlorodiammineplatinum or cis-Diamminedichloroplatinum or cis Diamminedichloroplatinum or cis-Dichlorodiammineplatinum or Platinol or Platidiam or Platino or NSC-119875 or Biocisplatinum).mp.
23 15663-27-1.rn.
24 41575-94-4.rn.
25 Vinblastine/
26 (vinblastin* or velban).mp.
27 865-21-4.rn.
28 (gemcitabin\$ or gemzar).mp.
29 103882-84-4.rn.
30 Doxorubicin/
31 (doxorubicin or adriamycin).mp.
32 23214-92-8.rn.
33 or/10-32
34 9 and 33
35 (first adj2 chemo*).m_titl.
36 9 and 35
37 34 or 36

Search 2

1 exp Urinary Bladder Neoplasms/
2 (bladder\$ adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
3 (tcc or transitional cell).mp.
4 exp Ureteral Neoplasms/
5 bladder neoplasms/
6 Urethral Neoplasms/
7 ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$)).tw.
8 exp Carcinoma, Transitional Cell/
9 or/1-8
10 (Irinotecan or Camptosar or camptothecin-11 or CPT-11 or SN-38).tw.
11 "7673326042".rn.
12 (bortezomib or velcade).tw.
13 (pemetrexed or alimta).tw.
14 04Q9AIZ7NO.rn.
15 (oxaliplatin or eloxatin).tw.
16 63121-00-6.rn.
17 Ifosfamide/
18 (ifosfamide or iphosphamide or iso-endoxan or iso endoxan or isophosphamide or isofosfamide or holoxan or asta z 4942 or NSC-109,724 or NSC 109,724 or NSC109,724 or NSC 109724 or NSC-109724 or NSC109724 or cyclic p-oxides or ethylamines or oxazines or ifosfa* or iphospha* or isofosfa* or isophospha* or Ifex).tw.
19 3778-73-2.rn.
20 Topotecan/
21 (topotecan or Hycamtin).tw.
22 123948-87-8.rn.
23 (gefitinib or ZD1839 or ZD 1839).mp.
24 Iressa.ti,ab.
25 184475-35-2.rn.
26 (sorafenib or nexavar).tw.
27 (sunitinib or sutent).tw.

28 (lapatinib or tykerb).mp.
 29 0VUA21238F.rn.
 30 or/10-29
 31 9 and 30

2. Health Economics Literature search details

This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on bladder cancer.

3. Any further comments

Basic exclusions filter and Systematic Reviews and RCT filters were applied as an intervention topic. No date limits applied.

4. Update Search

For the update search, the same search criteria/filters were applied as initial search with a date limit of 2013 onwards.

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	51	10	04/06/2014
<i>Premedline (Jun 3, 2014)</i>	17	3	04/06/2014
<i>Embase</i>	216	20	04/06/2014
<i>Cochrane Library</i>	52	9	04/06/2014
<i>Web of Science (SCI & SSCI)</i>	132	37	04/06/2014

Total References retrieved (after de-duplication): 58

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	8	2	04/06/2014
<i>Premedline (Jun 3, 2014)</i>	21	2	04/06/2014
<i>Embase</i>	59	6	04/06/2014
<i>Cochrane Library</i>	7	2	04/06/2014
<i>Web of Science (SCI & SSCI)</i>	92	12	04/06/2014

Total References retrieved (after de-duplication): 64

Topic J3: What is the optimal pelvic radiotherapy regimen for patients with incurable locally advanced or metastatic bladder cancer?

1. Literature search details

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	1331	393	19/07/2013
<i>Premedline</i>	July, 2013	128	17	19/07/2013
<i>Psychinfo</i>	1806 -	8	1	19/07/2013
<i>Embase</i>	1974 -	2543	681	08/08/2013
<i>Cochrane Library</i>	As per database	279	36	16/07/2013
<i>Web of Science (SCI & SSCI)</i>	1970 -	3352	398	23/08/2013

Total References retrieved (after de-duplication): 1097

Medline search strategy (This search strategy is adapted to each database)

1. exp Urinary Bladder Neoplasms/
2. Ureteral Neoplasms/
3. ((bladder* or urethra* or ureter* or urin* or urotheli* or renal pelvis or calice*) adj3 (cancer* or carcinoma* or adenoma* or adenocarcinoma* or squamous or neoplas* or tumo?* or malignan*)).tw.
4. exp Carcinoma, Transitional Cell/
5. or/1-4
6. exp Radiotherapy/
7. exp Radiation/
8. exp Radiotherapy Dosage/
9. exp Dose Fractionation/
10. Pelvis/
11. exp Urinary Bladder/
12. or/6-9
13. 10 or 11
14. 12 and 13
15. ((palliat* or pelvi* or bladder) adj3 (radiat* or irradiat* or radiotherap*)).tw.
16. 14 or 15
17. 5 and 16
18. exp Palliative Care/
19. (palliat* adj (care* or medicine or therap*)).tw.
20. "end of life care".tw.
21. or/18-20
22. 5 and 21
23. 17 or 22

2. Health Economics Literature search details

This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on bladder cancer.

3. Any further comments

Basic exclusions filter only and no date limits applied. Any possibly relevant material selected.

4. Update Search

For the update search, the same search criteria/filters were applied as initial search with a date limit of 2013 onwards.

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	66	2	03/06/2014
<i>Premedline (Jun 2, 2014)</i>	42	3	03/06/2014
<i>Embase</i>	403	7	03/06/2014
<i>Cochrane Library</i>	17	0	03/06/2014
<i>Psycinfo</i>	0	0	03/06/2014
<i>Web of Science (SCI & SSCI)</i>	549	5	03/06/2014

Total References retrieved (after de-duplication): 10

Topic J4: What is the best way to manage cancer related ureteric obstruction in patients with bladder cancer?

1. Literature search details

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	897	320	04/02/2013
<i>Premedline</i>	Feb 4, 2013	18	10	05/02/2013
<i>Embase</i>	1974 -	1182	359	07/02/2013
<i>Cochrane Library</i>	As per database	13	3	05/02/2013
<i>Web of Science (SCI & SSCI)</i>	1970 -	1935	289	12/02/2013
<i>AMED</i>	1985 -	5	4	05/02/2013
<i>Psycinfo</i>	1806 -	0	0	05/02/2013

Total References retrieved (after de-duplication): 554

Medline search strategy (*This search strategy is adapted to each database*)

- 1 Ureteral Obstruction/
- 2 (ureter\$ adj3 obstruction).tw.
- 3 1 or 2
- 4 exp Stents/
- 5 stent.tw.
- 6 Nephrostomy, Percutaneous/
- 7 nephrostom\$.tw.
- 8 exp Urinary Diversion/
- 9 (urinary adj3 diver\$).tw.
- 10 or/4-9
- 11 exp Urinary Bladder Neoplasms/
- 12 (bladder\$ adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
- 13 exp Carcinoma, Transitional Cell/
- 14 (tcc or transitional cell).mp.
- 15 exp Ureteral Neoplasms/
- 16 bladder neoplasms/
- 17 urethral neoplasms/
- 18 ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$)).tw.
- 19 or/11-18
- 20 3 and 19
- 21 3 and 10
- 22 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$).mp.
- 23 21 and 22
- 24 20 or 23
- 25 Urethral Obstruction/ or Urinary Bladder Neck Obstruction/
- 26 (obstructive adj uropath\$).tw.
- 27 25 or 26
- 28 10 and 22 and 27
- 29 24 or 28

2. Health Economics Literature search details

This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on bladder cancer.

3. Any further comments

Basic exclusions filter only and no date limits applied. Any possibly relevant material selected.

4. Update Search

For the update search, the same search criteria/filters were applied as initial search with a date limit of 2013 onwards.

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	47	5	02/06/2014
<i>Premedline (May 20, 2014)</i>	31	6	02/06/2014
<i>Embase</i>	197	29	02/06/2014
<i>Cochrane Library</i>	1	0	02/06/2014
<i>Cinahl</i>	6	0 (after search de-dup)	02/06/2014
<i>Psycinfo</i>	0	0	02/06/2014
<i>AMED</i>	0	0	02/06/2014
<i>Web of Science (SCI & SSCI)</i>	251	15	02/06/2014

Total References retrieved (after de-duplication): 36

Topics L1 & L2: What specific interventions are most effective for patients with incurable bladder cancer and intractable bleeding? What specific interventions are most effective for patients with incurable bladder cancer and pelvic pain?

1. Literature search details

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	474	115	19/08/2013
<i>Premedline</i>	Aug 19, 2013	56	1	20/08/2013
<i>Embase</i>	1974 -	1464	172	20/08/2013
<i>Cochrane Library</i>	As per database	114	3	20/08/2013
<i>Web of Science (SCI & SSCI)</i>	1970 -	1246	76	21/08/2013
<i>AMED</i>	1985 -	2	2	20/08/2013
<i>Psycinfo</i>	1806 -	0	0	20/08/2013
<i>Cinahl</i>	1937 -	26	1	20/08/2013

Total References retrieved (after de-duplication): 241

Database name	Dates Covered	No of references found	No of references retrieved	Finish date of search
<i>Medline</i>	1946 -	642	59	27/08/2013
<i>Premedline</i>	Aug 26, 2013	165	19	27/08/2013
<i>Embase</i>	1974 -	4547	330	04/09/2013
<i>Cochrane Library</i>	As per database	147	14	28/08/2013
<i>Web of Science (SCI & SSCI)</i>	1970 -	2387	61	30/08/2013
<i>AMED</i>	1985 -	9	2	28/08/2013
<i>Psycinfo</i>	1806 -	98	30	28/08/2013
<i>Cinahl</i>	1937 -	70	7	28/08/2013

Total References retrieved (after de-duplication): 429

Medline search strategy (*This search strategy is adapted to each database*)

Topic L1

1. exp urinary bladder neoplasms/
2. (bladder adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
3. exp carcinoma, transitional cell/
4. (tcc or transitional cell).mp.
5. exp ureteral neoplasms/
6. bladder neoplasms/
7. urethral neoplasms/
8. ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous or neoplas\$ or tumo?r\$ or malignan\$)).tw.
9. or/1-8
10. (bladder adj3 (haemorrhag\$ or hemorrhag\$ or bleed\$)).tw.
11. (intract\$ adj3 (hematuria or haematuria or haemorrhag\$ or hemorrhag\$ or bleed\$ or bladder)).tw.
12. (macrohematuria or macrohaematuria).tw.
13. ((hemorrhagic or haemorrhagic) adj2 cystitis).tw.
14. (massive adj bleed\$).tw.
15. ((massive or chronic or gross or terminal or total) adj (hematuria or haematuria)).tw.
16. or/10-15
17. 9 and 16
18. exp Hemorrhage/
19. exp Urinary Bladder/
20. 18 and 19
21. 16 and 20
22. 17 or 21
23. exp Hematuria/
24. (hematuria or haematuria).tw.
25. 23 or 24
26. 16 and 25
27. (haemorrhag\$ or hemorrhag\$ or bleed\$ or hematuria or haematuria).tw.
28. Formaldehyde/
29. (formaldehyde or formalin or formol).tw.
30. exp aluminum compounds/ or alum compounds/
31. alum.tw.
32. Hyperbaric Oxygenation/
33. Hyperbaric oxygen therapy.mp.
34. (HBO or HBOT).tw.
35. exp Embolization, Therapeutic/
36. emboli?ation.mp.
37. Tranexamic Acid/
38. Tranexamic Acid.tw.
39. Lysteda.tw.
40. Hydrostatic Pressure/
41. hydrostatic pressure.tw.
42. Pentosan Sulfuric Polyester/
43. pentosan polysulphate.tw.
44. or/28-43
45. 26 and 44
46. 9 and 27 and 44
47. 45 or 46
48. (palliative adj (radiation or radiotherapy or irradiation or resect\$ or TURBT or cystectom\$ or chemotherap\$ or chemoradiation)).tw.
49. 26 and 48
50. 47 or 49

Topic L2

- 1-9 (as per lines 1-9 of Topic L1)
10. exp Pain/ or exp Pain, Intractable/
11. pain.mp.
12. 10 or 11
13. 9 and 12
14. (bladder adj pain).tw.
15. (intractable adj pain).tw.
16. (pelvic adj pain).tw.
17. or/14-16
18. (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$).tw.
19. 17 and 18
20. 13 or 19

2. Health Economics Literature search details

This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on bladder cancer.

3. Any further comments

Basic exclusions filter only and no date limits applied. Any possibly relevant material selected.

4. Update Search

For the update search, the same search criteria/filters were applied as initial search with a date limit of 2013 onwards.

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	35	1	02/06/2014
<i>Premedline (May 30, 2014)</i>	68	2	02/06/2014
<i>Embase</i>	352	6	02/06/2014
<i>Cochrane Library</i>	6	0	02/06/2014
<i>Cinahl</i>	6	0	02/06/2014
<i>Psychinfo</i>	0	0	02/06/2014
<i>AMED</i>	0	0	02/06/2014
<i>Web of Science (SCI & SSCI)</i>	113	6	02/06/2014

Total References retrieved (after de-duplication): 13

Database name	No of references found	No of references retrieved	Finish date of search
<i>Medline (Pubmed checked)</i>	140	3	03/06/2014
<i>Premedline (Jun 2, 2014)</i>	198	5	03/06/2014
<i>Embase</i>	889	19	03/06/2014
<i>Cochrane Library</i>	37	1	03/06/2014
<i>Cinahl</i>	9	0	03/06/2014
<i>Psychinfo</i>	10	1	03/06/2014
<i>AMED</i>	0	0	03/06/2014
<i>Web of Science (SCI & SSCI)</i>	246	2	03/06/2014

Total References retrieved (after de-duplication): 25

NATIONAL COLLABORATING CENTRE FOR CANCER

Bladder Cancer Clinical Guideline

Health Economics

1. Literature search details

Database name	No of references found	Finish date of search
<i>Medline (2010 onwards, HE filter)</i>	72	15/05/2012
<i>Premedline (May 9, 2012)</i>	16	11/05/2012
<i>Embase (2010 onwards, HE filter)</i>	272	15/05/2012
<i>Cochrane: HTA</i>	28	15/05/2012
<i>Cochrane: NHSEED</i>	42	15/05/2012
<i>HEED</i>	180	11/07/2013

Total References retrieved (after de-duplication): 361

Medline search strategy (*This search strategy is adapted to each database*)

1. exp urinary bladder neoplasms/
2. (bladder\$ adj3 (cancer\$ or carcinoma\$ or neoplas\$ or tumo?r\$)).mp.
3. exp carcinoma, transitional cell/
4. (tcc or transitional cell).mp.
5. exp ureteral neoplasms/
6. bladder neoplasms/
7. urethral neoplasms/
8. ((bladder\$ or urethra\$ or ureter\$ or urin\$ or urotheli\$ or renal pelvis or calice\$) adj3 (cancer\$ or carcinoma\$ or adenoma\$ or adenocarcinoma\$ or squamous\$ or neoplas\$ or tum?r\$ or malignan\$)).tw.
9. or/1-8

2. Any further comments

A full search of HTA, NHSEED and HEED was undertaken with no date limit to ensure full coverage of topics for the economic plan and for dealing with different health economic analyses. SIGN Health Economics filter applied to the guideline population search for Medline/Premedline and Embase from 2010 onwards.

3. Update Search

For the update search, the same search criteria/filters were applied as initial search with a date limit of 15/05/2012 onwards for the first update, and then 18/11/2013 onwards for the second update.

Database name	No of references found	Finish date of search
<i>Medline (2012 onwards, HE filter)</i>	47	18/11/2013
<i>Premedline (Nov 15, 2013)</i>	32	18/11/2013
<i>Embase (2012 onwards, HE filter)</i>	400	18/11/2013
<i>Cochrane: HTA</i>	6	18/11/2013
<i>Cochrane: NHSEED</i>	11	18/11/2013
<i>HEED</i>	7	18/11/2013

Total References retrieved (after de-duplication): 435 + 5 in HEED

Database name	No of references found	Finish date of search
<i>Medline (2013 onwards, HE filter)</i>	60	28/05/2014
<i>Premedline (May 27, 2014)</i>	13	28/05/2014
<i>Embase (2013 onwards, HE filter)</i>	215	28/05/2014
<i>Cochrane: HTA (2013 onwards)</i>	0	28/05/2014
<i>Cochrane: NHSEED (2013 onwards)</i>	5	28/05/2014
<i>HEED</i>	1	28/05/2014

Total References retrieved (after de-duplication): 233 + 1 in HEED