

Database searching was conducted on 17 November 2010 with the database results being uploaded first into EndNote X4 for conversion into RIS format and second into EPPI Reviewer (version 4) for deduplication and screening.

Tappenden and colleagues' 2007 search strategy<sup>10</sup> was employed as the initial basis for syntax development. Early includable studies/trials from testing the search syntax were used to benchmark the development of the strategy and the final result was checked again on this basis. The final strategy was quality controlled by our clinical expert, Dr Mark Napier.

No study design filters were added to the searches in order to retrieve a range of study designs and to locate results of mixed methodological focus, including RCTs, clinically controlled trials and systematic reviews, in addition to economic evaluations and any adverse event literature relating to the interventions.

Significant duplication between the resources was anticipated, giving a reasonable *n* for screening.

## MEDLINE

**Host:** Ovid

**Resource parameters:** 1950 to November Week 1 2010 – current

**Date searched:** 17 November 2010

**Date limits applied:** 2005 – current

**Searcher:** C Cooper

**Hits:** 1472

1. (Cetuximab or IMC C225 or MAb C225 or C225 or Erbitux).mp.
2. (Bevacizumab or Avastin or nsc 704865 or nsc704865).mp.
3. (Panitumumab or ABX-EGF\* or Vectibix).mp.
4. or/1-3
5. Neoplasms/
6. Carcinoma/
7. Adenocarcinoma/
8. Or/5-7
9. Colonic Diseases/
10. Rectal Diseases/
11. Exp Colon/
12. Exp rectum/
13. Or/9-12
14. 8 AND 13
15. exp Colorectal Neoplasms/
16. (neoplasm\$ or neoplasia adj3 (colorectal or colon\$ or rect\$ or intestin\$ or bowel)).ti,ab.
17. (carcinoma adj3 (colorectal or colon\$ or rect\$ or intestin\$ or bowel)).ti,ab.
18. (adenocarcinoma adj3 (colorectal or colon\$ or rect\$ or intestin\$ or bowel)).ti,ab.
19. (cancer\$ or CRC adj3 (colorectal or colon\$ or rect\$ or intestin\$ or bowel)).ti,ab.

20. (tumour\$ or tumor\$ adj3 (colorectal or colon\$ or rect\$ or intestin\$ or bowel)).ti,ab.
21. (malignan\$ adj3 (colorectal or colon\$ or rect\$ or intestin\$ or bowel)).ti,ab.
22. (metasta\$ adj3 (colorectal or colon\$ or rect\$ or intestin\$ or bowel)).ti,ab.
23. ((First line or second line or first-line or second-line or 1st line or 2nd line) and (chemo\$) adj3 (colorectal or colon\$ or rect\$ or intestin\$ or bowel)).ti,ab.
24. (Epidermal Growth Factor Receptor or EGFR or KRAS or VEGF adj3 (colorectal or colon\$ or rect\$ or intestin\$ or bowel)).ti,ab.
25. or/15-24
26. 14 or 25
27. 4 AND 26
28. limit 27 to yr="2005 -Current"

## EMBASE

**Host:** Ovid

**Resource parameters:** 1980 to 2010 Week 45

**Date searched:** 17 November 2010

**Date limits applied:** 2005 – current

**Searcher:** C Cooper

**Hits:** 3417

1. (Cetuximab or IMC C225 or MAb C225 or C225 or Erbitux).mp. or cetuximab/
2. (Bevacizumab or Avastin or nsc 704865 or nsc704865).mp. or Bevacizumab/
3. (Panitumumab or ABX-EGF\* or Vectibix).mp. or Panitumumab/
4. Or/1-3
5. \*neoplasm/
6. \*Carcinoma/
7. \*Adenocarcinoma/
8. Or/5-7
9. exp colon disease/
10. exp rectum disease/
11. Exp Colon/
12. Exp rectum/
13. Or/9-12
14. 8 AND 13
15. exp colorectal tumor/
16. (neoplasm\$ or neoplasia adj3 (colorectal or colon\$ or rect\$ or intestin\$ or bowel)).ti,ab.
17. (carcinoma adj3 (colorectal or colon\$ or rect\$ or intestin\$ or bowel)).ti,ab.
18. (adenocarcinoma adj3 (colorectal or colon\$ or rect\$ or intestin\$ or bowel)).ti,ab.
19. (cancer\$ or CRC adj3 (colorectal or colon\$ or rect\$ or intestin\$ or bowel)).ti,ab.
20. (tumour\$ or tumor\$ adj3 (colorectal or colon\$ or rect\$ or intestin\$ or bowel)).ti,ab.
21. (malignan\$ adj3 (colorectal or colon\$ or rect\$ or intestin\$ or bowel)).ti,ab.
22. (metasta\$ adj3 (colorectal or colon\$ or rect\$ or intestin\$ or bowel)).ti,ab.
23. ((first line or second line or first-line or second-line or 1st line or 2nd line) and (chemo\$) adj3 (colorectal or colon\$ or rect\$ or intestin\$ or bowel)).ti,ab.
24. (Epidermal Growth Factor Receptor or EGFR or KRAS or VEGF adj3 (colorectal or colon\$ or rect\$ or intestin\$ or bowel)).ti,ab.
25. or/15-24
26. 14 or 25
27. 4 AND 26
28. limit 27 to yr="2005 -Current"

## The Cochrane Library

**Host:** [http://onlinelibrary.wiley.com/o/cochrane/cochrane\\_search\\_fs.html?newSearch=true](http://onlinelibrary.wiley.com/o/cochrane/cochrane_search_fs.html?newSearch=true)

**Resource parameters:** Issue 11 of 12, November 2010

**Date searched:** 17 November 2010

**Date limits applied:** 2005 – current

**Searcher:** C Cooper

**Hits:** 269

1. (“Cetuximab” or “IMC C225” or “MAb C225” or “C225” or “Erbitux”)
2. (“Bevacizumab” or “Avastin” or “nsc 704865” or “nsc704865”)
3. (“Panitumumab” or “ABX-EGF\*” or “Vectibix”)
4. #1 or #2 or #3
5. MeSH descriptor Neoplasms, this term only
6. MeSH descriptor Carcinoma, this term only
7. MeSH descriptor Adenocarcinoma, this term only
8. #5 or #6 or #7
9. MeSH descriptor Colonic Diseases, this term only
10. MeSH descriptor Rectal Diseases, this term only
11. MeSH descriptor Colon explode all trees
12. MeSH descriptor Rectum explode all trees
13. #9 or #10 or #11 or #12
14. #8 AND #13
15. MeSH descriptor Colorectal Neoplasms explode all trees
16. (neoplasm\* or neoplasia near/3 (colorectal or colon\* or rect\* or intestine\* or bowel))
17. (carcinoma near/3 (colorectal or colon\* or rect\* or intestine\* or bowel))
18. (adenocarcinoma near/3 (colorectal or colon\* or rect\* or intestine\* or bowel))
19. (cancer\* or CRC near/3 (colorectal or colon\* or rect\* or intestine\* or bowel))
20. (tumour\* or tumor near/3 (colorectal or colon\* or rect\* or intestine\* or bowel))
21. (malignan\* near/3 (colorectal or colon\* or rect\* or intestine\* or bowel))
22. (metasta\* near/3 (colorectal or colon\* or rect\* or intestine\* or bowel))
23. ((First line or second line or first-line or second-line or 1st line or 2nd line) and (chemo\*) near/3 (colorectal or colon\* or rect\* or intestine\* or bowel))
24. (Epidermal Growth Factor Receptor or EGFR or KRAS or VEGF near/3 (colorectal or colon\* or rect\* or intestine\* or bowel))
25. (#15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24)
26. (#14 OR #25)
27. (#4 AND #26), from 2005 to 2010

## Web of Science

**Host:** ISI

**Resource parameters:** 1900 – current

**Date searched:** 17 November 2010

**Date limits applied:** 2005 – current

**Searcher:** C Cooper

**Hits:** 2481

1. TS=((Cetuximab or Erbitux OR Bevacizumab or Avastin OR Panitumumab or Vectibix))

2. TS=((colorectal) SAME (neoplasm\* or neoplasia or carcinoma or adenocarcionoma or cancer\* or tumour\* or tumor\* or malignan\* or metastasi\*))
3. TS=((bowel) SAME (neoplasm\* or neoplasia or carcinoma or adenocarcionoma or cancer\* or tumour\* or tumor\* or malignan\* or metastasi\*))
4. TS=((colon\*) SAME (neoplasm\* or neoplasia or carcinoma or adenocarcionoma or cancer\* or tumour\* or tumor\* or malignan\* or metastasi\*))
5. TS=((animal\* or mice or rat or rats or dog\* or cat\* or rabbit\* or pig))
6. #2 OR #3 OR #4
7. #1 AND #6
8. #6 NOT #5
9. Timespan=2005-2010

## EconLit

**Host:** EBSCOhost

**Resource parameters:** (1969 – current)

**Date searched:** 17 November 2010

**Date limits applied:** 2005 – current

**Searcher:** C Cooper

**Hits:** 0

(Cetuximab OR Erbitux OR Bevacizumab OR Avastin OR Panitumumab OR Vectibix)