**Anal dysplasia**

Primary search terms: “anus, neoplasms” (focus); AND “precancerous conditions”

Databases: Ovid MEDLINE® Without Revisions, 1996 to October Week 1 2017

Cochrane Database of Systematic Reviews 2005 to June 14, 2017

Ovid Medline® Epub Ahead of Print, In-Process & Other Non-Indexed Citations

Language: English.

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**Identification**

Total records (n=203)

**Screening**

Records screened (n=172) → Records excluded (n=31)

**Eligibility**

Full-text articles assessed for eligibility (n=51) → Additional records identified through imbedded references (n=19)

**Included**

Studies included in qualitative synthesis (n=70) → Full-text articles excluded, with reasons (n=122)

- Secondary source, cervix or oropharynx focus

Studies referenced in CPG assignments (n=39) → Full-text articles excluded, with reasons (n=31)

- Insufficient level of evidence, case report, incomplete data

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Search strategy for anal cancer CPG assignments
HPV vaccination
Primary search terms: “anal cancer” OR “anal squamous cell carcinoma” AND “HPV” OR “HPV vaccination.” All fields & MeSH terms. Humans only.
Databases: Medline and Cochrane Library.
Years covered: July 2011 to January 2018.
Language: English.

Records screened (n=586)

Records excluded (n=469)

Additional references from bibliography review (n=7)

Full-text articles assessed for eligibility (n=124)

Full-text articles excluded, with reasons (n=106)
- Non-squamous anal cancer
- Pre-clinical/basic science
- Review papers/case reports

Studies referenced in CPG assignments (n=18)
Chemoradiation for squamous cell cancer of the anus
Primary search terms: “anal cancer” OR “anal squamous cell carcinoma” AND “chemoradiation.” All fields & MeSH terms. Humans only.
Databases: Medline and Cochrane Library.
Years covered: January 1960 to January 2018.
Language: English.

Records screened (n=1220) → Records excluded (n=1106)

Additional references from bibliography review (n=12)

Full-text articles assessed for eligibility (n=114)

Full-text articles excluded, with reasons (n=76)
- Non-squamous anal cancer
- Pre-clinical/basic science
- Small case series

Studies referenced in CPG assignments (n=38)
Salvage APR and surveillance
Primary search terms: “anal cancer” OR “anal squamous cell carcinoma.”
Databases: Medline, Web of Science, and Cochrane Library.
Years covered: July 2011 to February 2018.
Language: English.

Identification
- Total records (n=2,262)
  - Total records after duplicates removed (n=1,857)
- Additional records identified through other sources (n=12)

Screening
- Records screened (n=1,869)
- Records excluded (n=1,645)

Eligibility
- Full-text articles assessed for eligibility (n=224)
- Full-text articles excluded, with reasons (n=137)
  - Rectal cancer (n=77)
  - Non-squamous anal cancer (n=60)
- Studies included in qualitative synthesis (n=87)
- Full-text articles excluded, with reasons (n=36)
  - Retrospective design (n=17)
  - No comparison group (n=11)
  - Insufficient data (n=8)

Included
- Studies referenced in CPG assignments (n=51)
Metastatic disease

Primary search terms: “anus, neoplasms” (focus) (therapy)
Databases: Ovid MEDLINE® without Revisions, 1996 to June Week 2 2017
Cochrane Database of Systematic Reviews 2005 to June 14, 2017
Ovid Medline® Epub Ahead of Print, In-Process & Other Non-Indexed Citations
Language: English.

Identification

Total records (n=372)

Screening

Records screened (n= 28)

Records excluded (n=344)
- Treatment other than metastatic disease

Eligibility

Full-text articles assessed for eligibility (n= 6)

Full-text articles excluded, with reasons (n=22)
- Secondary source, treatment other than metastatic disease

Additional records identified through imbedded references (n=4)

Studies included in qualitative synthesis (n= 10)

Full-text articles excluded, with reasons (n=31)
- Insufficient level of evidence, incomplete data

Included

Studies referenced in CPG assignments (n= 8)