Supplementary Material II. Search Flow Charts

1. Superficial esophageal squamous cell carcinoma

![Search Flow Chart]

Statement E1-E7
Superficial esophageal squamous cell carcinoma guidelines

- Records identified through databases searching (n=1,315)
  - Ovid-MEDLINE (n=665)
  - KoreaMed (n=1)
  - EMBASE (n=630)
  - G-I-N (n=19)
  Hand searching (n=0)

- Records after duplicates removed (n=887)

- Records screened (n=887)

- Full-text articles assessed for eligibility (n=17)

- Studies finally included (n=11)

Records excluded by screening the title and abstract (n=870)

Records excluded according to selection criteria (n=6)
1. P: Irrelevant population (n=4)
2. I: Irrelevant intervention (n=2)
3. C: Irrelevant comparator (n=0)
4. O: Irrelevant outcome (n=0)
5. Inappropriate study design (n=0)
6. Duplicate (n=0)
7. Others (n=0)
2. Early gastric cancer

**Records identified through databases searching**
(n=1,271)
- Ovid-MEDLINE (n=497)
- EMBASE (n=676)
- Cochrane library (n=98)
- Hand searching (n=0)

**Records after duplicates removed (n=857)**

**Records screened (n=857)**

**Full-text articles assessed for eligibility (n=41)**

**Studies finally included (n=9)**

**Records excluded by screening the title and abstract (n=816)**

**Records excluded according to selection criteria (n=32)**
1. P: Irrelevant population (n=9)
2. I: Irrelevant intervention (n=0)
3. C: Irrelevant comparator (n=23)
4. O: Irrelevant outcome (n=0)
5. Inappropriate study design (n=0)
6. Duplicate (n=0)
7. Others (n=0)

**Statement G1 & G2**
Pre-endoscopic resection work-up: chromoendoscopy, EUS

EUS, endoscopic ultrasound.
Statement G3
Indication & curability: absolute indication & criteria

Identification
- Records identified through databases searching (n=1,725)
  - Ovid-MEDLINE (n=661)
  - EMBASE (n=819)
  - KoreaMed (n=29)
  - Cochrane library (n=216)
  - Hand searching (n=0)

Screening
- Records after duplicates removed (n=1,671)
- Records screened (n=1,671)
- Records excluded by screening the title and abstract (n=1,561)

Eligibility
- Full-text articles assessed for eligibility (n=110)
- Records excluded according to selection criteria (n=95)
  1. P: Irrelevant population (n=0)
  2. I: Irrelevant intervention (n=42)
  3. C: Irrelevant comparator (n=22)
  4. O: Irrelevant outcome (n=31)
  5. Inappropriate study design (n=1, a preclinical study)
  6. Duplicate (n=0)
  7. Others (n=0)

Included
- Studies finally included (n=15)
Records identified through databases searching (n=1,673)
  - Ovid-MEDLINE (n=689)
  - KoreaMed (n=61)
  - EMBASE (n=809)
  - Cochrane library (n=114)
    Hand searching (n=0)

Records after duplicates removed (n=1,059)

Records screened (n=1,059)

Records excluded by screening the title and abstract (n=909)

Full-text articles assessed for eligibility (n=150)

Records excluded according to selection criteria (n=141)
1. P: Irrelevant population (n=114)
2. I: Irrelevant intervention (n=14)
3. C: Irrelevant comparator (n=7)
4. O: Irrelevant outcome (n=6)
5. Inappropriate study design (n=0)
6. Duplicate (n=0)
7. Others (n=0)

Studies finally included (n=9)

Statement G4
Indication & curability: expanded indication & criteria about differentiated type
Records identified through databases searching (n=1,673)
- Ovid-MEDLINE (n=689)
- EMBASE (n=809)
- Cochrane library (n=114)
  Hand searching (n=0)

Records after duplicates removed (n=1,059)

Records screened (n=1,059)

Records excluded by screening the title and abstract (n=1,014)

Full-text articles assessed for eligibility (n=45)

Records excluded according to selection criteria (n=41)
1. P: Irrelevant population (n=30)
2. I: Irrelevant intervention (n=4)
3. C: Irrelevant comparator (n=3)
4. O: Irrelevant outcome (n=4)
5. Inappropriate study design (n=0)
6. Duplicate (n=0)
7. Others (n=0)

Studies finally included (n=4)

Statement G5
Indication & curability: expanded indication & criteria about undifferentiated type
Statement G6
Prevention of delayed bleeding

Records identified through databases searching (n=225)
- Ovid-MEDLINE (n=58)
- KoreaMed (n=16)
- EMBASE (n=136)
- Cochrane library (n=15)
  Hand searching (n=0)

Records after duplicates removed (n=179)
Records screened (n=179)
Records excluded by screening the title and abstract (n=178)

Full-text articles assessed for eligibility (n=1)

Studies finally included (n=1)

Records excluded according to selection criteria (n=0)
1. P: Irrelevant population (n=0)
2. I: Irrelevant intervention (n=0)
3. C: Irrelevant comparator (n=0)
4. O: Irrelevant outcome (n=0)
5. Inappropriate study design (n=0)
6. Duplicate (n=0)
7. Others (n=0)
PPI, proton pump inhibitor.
Statement G8
Management of perforation

Identification
Records identified through databases searching (n=1,473)
  • Ovid-MEDLINE (n=554)  • KoreaMed (n=74)
  • EMBASE (n=674)  • Cochrane library (n=171)
  Hand searching (n=0)

Screening
Records after duplicates removed (n=999)

Records screened (n=999)

Eligibility
Full-text articles assessed for eligibility (n=16)

Records excluded by screening the title and abstract (n=983)

Included
Studies finally included (n=10)

Records excluded according to selection criteria (n=6)
1. P: Irrelevant population (n=3)
2. I: Irrelevant intervention (n=2)
3. C: Irrelevant comparator (n=0)
4. O: Irrelevant outcome (n=0)
5. Inappropriate study design (n=0)
6. Duplicate (n=1)
7. Others (n=0)
Statement G9
Non-curative resection except for positive lateral margin only

Records identified through databases searching (n=906)
  • Ovid-MEDLINE (n=375)
  • KoreaMed (n=1)
  • EMBASE (n=424)
  • Cochrane library (n=106)
  Hand searching (n=0)

Records after duplicates removed (n=610)

Records screened (n=610)

Records excluded by screening the title and abstract (n=584)

Full-text articles assessed for eligibility (n=26)

Records excluded according to selection criteria (n=12)
1. P: Irrelevant population (n=4)
2. I: Irrelevant intervention (n=8)
3. C: Irrelevant comparator (n=0)
4. O: Irrelevant outcome (n=0)
5. Inappropriate study design (n=0)
6. Duplicate (n=4)
7. Others (n=0)

Studies finally included (n=14)
Statement G10
Noncurative resection defined as positive lateral margin only

Records identified through databases searching (n=1,044)
  - Ovid-MEDLINE (n=434)
  - KoreaMed (n=5)
  - EMBASE (n=489)
  - Cochrane library (n=116)
  - Hand searching (n=0)

Records after duplicates removed (n=708)

Records screened (n=708)

Records excluded by screening the title and abstract (n=700)

Full-text articles assessed for eligibility (n=8)

Records excluded according to selection criteria (n=4)
1. P: Irrelevant population (n=1)
2. I: Irrelevant intervention (n=3)
3. C: Irrelevant comparator (n=0)
4. O: Irrelevant outcome (n=0)
5. Inappropriate study design (n=0)
6. Duplicate (n=0)
7. Others (n=0)

Studies finally included (n=4)
H. pylori, Helicobacter pylori.
Statement G12
Post-resection endoscopy surveillance

Records identified through databases searching (n=230)
- Ovid-MEDLINE (n=62)
- EMBASE (n=72)
- Cochrane library (n=93)
  Hand searching (n=0)

Records after duplicates removed (n=173)

Records screened (n=173)

Records excluded by screening the title and abstract (n=166)

Full-text articles assessed for eligibility (n=7)

Records excluded according to selection criteria (n=0)
1. P: Irrelevant population (n=0)
2. I: Irrelevant intervention (n=0)
3. C: Irrelevant comparator (n=0)
4. O: Irrelevant outcome (n=0)
5. Inappropriate study design (n=0)
6. Duplicate (n=0)
7. Others (n=0)

Studies finally included (n=7)
Statement G13
Post-resection computed tomography surveillance

Records identified through databases searching (n=563)
- Ovid-MEDLINE (n=172)
- EMBASE (n=327)
- Cochrane library (n=60)
- Hand searching (n=0)

Records after duplicates removed (n=416)

Records screened (n=416)

Records excluded by screening the title and abstract (n=410)

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

Records excluded according to selection criteria (n=2)
1. P: Irrelevant population (n=0)
2. I: Irrelevant intervention (n=0)
3. C: Irrelevant comparator (n=2)
4. O: Irrelevant outcome (n=0)
5. Inappropriate study design (n=0)
6. Duplicate (n=0)
7. Others (n=0)

Studies finally included (n=4)
3. Early colorectal cancer

**Statement C1**
Lymph node metastasis in intramucosal colorectal cancer

**Identification**
Records identified through databases searching (n=705)
- Ovid-MEDLINE (n=153)
- EMBASE (n=226)
- Cochrane library (n=33)
  - Hand searching (n=0)

**Screening**
Records after duplicates removed (n=661)
Records screened (n=661)
Records excluded by screening the title and abstract (n=618)

**Eligibility**
Full-text articles assessed for eligibility (n=43)
Records excluded according to selection criteria (n=21)
1. P: Irrelevant population (n=5)
2. I: Irrelevant intervention (n=5)
3. C: Irrelevant comparator (n=3)
4. O: Irrelevant outcome (n=7)
5. Inappropriate study design (n=0)
6. Duplicate (n=1)
7. Others (n=0)

**Included**
Studies finally included (n=22)
Statement C1
Association of deep submucosal invasive cancer or lymphovascular invasion with lymph node metastasis.

Records identified through databases searching (n=672)
- Ovid-MEDLINE (n=112)
- KoreaMed (n=293)
- EMBASE (n=252)
- Cochrane library (n=15)
  Hand searching (n=0)

Records after duplicates removed (n=576)

Records screened (n=576)
Records excluded by screening the title and abstract (n=544)

Full-text articles assessed for eligibility (n=32)

Records excluded according to selection criteria (n=18)
1. Irrelevant population (n=10)
2. Irrelevant intervention (n=2)
3. Irrelevant comparator (n=0)
4. Irrelevant outcome (n=0)
5. Inappropriate study design (n=0)
6. Duplicate (n=0)
7. Others (n=0)

Studies finally included (n=14)
Statement C1
Association of tumor budding with lymph node metastasis

Records identified through databases searching (n=407)
- Ovid-MEDLINE (n=61)
- EMBASE (n=47)
- Cochrane library (n=6)
- Hand searching (n=0)

Records after duplicates removed (n=379)

Records screened (n=379)

Records excluded by screening the title and abstract (n=340)

Full-text articles assessed for eligibility (n=39)

Records excluded according to selection criteria (n=26)
1. P: Irrelevant population (n=12)
2. I: Irrelevant intervention (n=5)
3. C: Irrelevant comparator (n=0)
4. O: Irrelevant outcome (n=9)
5. Inappropriate study design (n=0)
6. Duplicate (n=0)
7. Others (n=0)

Studies finally included (n=13)
Statement C1
Association of histologic differentiation with lymph node metastasis

Identified: Records identified through databases searching (n=467)
- Ovid-MEDLINE (n=38)
- EMBASE (n=129)
- KoreaMed (n=293)
- Cochrane library (n=7)
- Hand searching (n=0)

Screening: Records after duplicates removed (n=427)

Eligibility: Records screened (n=427)

Full-text articles assessed for eligibility (n=30)

Included: Studies finally included (n=13)

Excluded: Records excluded by screening the title and abstract (n=397)

Excluded according to selection criteria (n=17)
1. P: Irrelevant population (n=6)
2. I: Irrelevant intervention (n=6)
3. C: Irrelevant comparator (n=1)
4. O: Irrelevant outcome (n=4)
5. Inappropriate study design (n=0)
6. Duplicate (n=0)
7. Others (n=0)
Statement C2
Association of lymph node metastasis risk with recurrence and survival after endoscopic resection

- Records identified through databases searching (n=1,718)
  - Ovid-MEDLINE (n=489)
  - KoreaMed (n=44)
  - EMBASE (n=892)
  - Cochrane library (n=293)
  - Hand searching (n=0)

- Records after duplicates removed (n=1,310)

- Records screened (n=1,310)

- Full-text articles assessed for eligibility (n=209)

- Studies finally included (n=10)

- Records excluded by screening the title and abstract (n=1,101)

- Records excluded according to selection criteria (n=199)
  1. P: Irrelevant population (n=28)
  2. E: Irrelevant intervention (n=151)
  3. C: Irrelevant comparator (n=16)
  4. O: Irrelevant outcome (n=4)
  5. Inappropriate study design (n=0)
  6. Duplicate (n=0)
  7. Others (n=0)
Records identified through databases searching (n=223)
- Ovid-MEDLINE (n=65)
- KoreaMed (n=57)
- EMBASE (n=72)
- Cochrane library (n=29)
- Hand searching (n=0)

Records after duplicates removed (n=160)

Records screened (n=160)

Records excluded by screening the title and abstract (n=121)

Full-text articles assessed for eligibility (n=39)

Records excluded according to selection criteria (n=38)
1. P: Irrelevant population (n=16)
2. I: Irrelevant intervention (n=11)
3. C: Irrelevant comparator (n=3)
4. O: Irrelevant outcome (n=7)
5. Inappropriate study design (n=1, a preclinical study)
6. Duplicate (n=0)
7. Others (n=0)

Studies finally included (n=1)

Statement C3
Endoscopic estimation of histology: narrow band imaging vs white light endoscopy in early colorectal cancer
Statement C3
Endoscopic estimation of histology: chromoendoscopy vs. white light endoscopy in early colorectal cancer
**Statement C3**
Endoscopic estimation of histology: magnified endoscopy vs. conventional endoscopy in early colorectal cancer

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**Identification**
Records identified through databases searching (n=508)
- Ovid-MEDLINE (n=171)
- KoreaMed (n=57)
- EMBASE (n=234)
- Cochrane library (n=46)
- Hand searching (n=0)

**Screening**
Records after duplicates removed (n=361)
Records screened (n=361)
Records excluded by screening the title and abstract (n=246)

**Eligibility**
Full-text articles assessed for eligibility (n=115)

**Included**
Studies finally included (n=16)

**Records excluded according to selection criteria (n=99)**
1. P: Irrelevant population (n=28)
2. E: Irrelevant intervention (n=19)
3. C: Irrelevant comparator (n=19)
4. O: Irrelevant outcome (n=19)
5. Inappropriate study design (n=0)
6. Duplicate (n=14)
7. Others (n=0)
**Statement C4**
Endoscopic treatment of early colorectal cancer

- Records identified through databases searching (n=844)
  - Ovid-MEDLINE (n=135)
  - KoreaMed (n=90)
  - EMBASE (n=382)
  - Cochrane library (n=237)
  - Hand searching (n=0)

- Records after duplicates removed (n=710)

- Records screened (n=710)

- Full-text articles assessed for eligibility (n=373)

- Studies finally included (n=7)

- Records excluded by screening the title and abstract (n=337)

- Records excluded according to selection criteria (n=366)
  1. P: Irrelevant population (n=110)
  2. I: Irrelevant intervention (n=42)
  3. C: Irrelevant comparator (n=209)
  4. O: Irrelevant outcome (n=1)
  5. Inappropriate study design (n=1, a preclinical study)
  6. Duplicate (n=2)
  7. Others (n=1, a full paper unavailable)