

Optical Diagnosis Curriculum: Search strategy

Main topics

- A. Diminutive polyps
- B. Early colorectal cancer
- C. Dysplasia IBD
- D. Barrett's oesophagus
- E. Early gastric cancer
- F. Oesophageal squamous cell carcinoma

A. **DIMINUTIVE POLYPS**

PMID references classification: 23885144 17005766 25748647 23433877 22695207 22609383 17963882 25753029 25387891 23300139 26928372 25839686 26719019 17227517 19251021 18072061

PMID references training: 25597420 26541734 23871094 26897055 26418441 23368810 26171437 22032847 25978459 23614122 20493482 19910250 21184878 25714058 22609999 25264764 23528656 22859259 23466714 26522260 23943666 20561618 22987213 23614121 19251016 24021492 27196576 21353837 18691708 26381309 26719019 25952799 25689934 26874597 25287002 29425923

Pubmed:

976 hits:

("diagnosis" [Subheading] OR diagnos*[tiab] OR real time histology[tiab] OR detect*[tiab] OR predict*[tiab] OR validation*[tiab] OR visualization[tiab] OR assess[tiab] OR resect[tiab])

AND

("Optical Imaging"[Mesh] OR "Narrow Band Imaging"[Mesh] OR image enhanc*[tiab] OR advanced imag*[tiab] OR virtual chromoendoscopy[tiab] OR conventional endoscopy[tiab] OR white light*[tiab] OR chromo*[tiab] OR indigo carmine[tiab] OR crystal violet[tiab] OR narrow band[tiab] OR narrowband[tiab] OR NBI[tiab] OR blue light*[tiab] OR BLI[tiab] OR blue laser*[tiab] OR linked color*[tiab] OR LCI[tiab] OR pentax OR i-scan[tiab] OR iscan OR optical enhance*[tiab] OR autofluorescence[tiab] OR real-time endoscop*[tiab] OR imaging[ti] OR diagnostic performance[tiab] OR histopathological diagnos*[tiab] OR optical diagnosis[tiab])

AND

("Classification"[Mesh] OR "classification" [Subheading] OR classification*[tiab] OR accura*[tiab] OR differentiation[tiab] OR difference[tiab] OR performance[tiab] OR characterization[tiab] OR analysis[tiab] OR valid*[tiab] OR KUDO[tiab] OR International Colorectal Endoscopic[tiab] OR NICE[tiab] OR Japan NBI Expert Team[tiab] OR JNET[tiab] OR WASP[tiab] OR BING[tiab] OR SIMPLE classification[tiab] OR PICASSO[tiab] OR ICE[tiab] OR Hiroshima[tiab] OR "Teaching"[Mesh] OR training[tiab] OR teach*[tiab] OR learning curve[tiab] OR learn*[ti] OR demonstrate[tiab] OR guide[tiab] OR performance[tiab] OR accura*[tiab] OR sensitivit*[tiab] OR specific*[tiab] OR NPV[tiab] OR inter-observer agreement[tiab] OR intra-observer agreement[tiab] OR interobserver agreement[tiab] OR intraobserver agreement[tiab])

AND

("Colonic Polyps"[Majr] OR "Colorectal Neoplasms"[Majr:NoExp] OR diminutive[tiab] OR small polyp*[tiab] OR PIVI[tiab])

Embase via Ovid:

#	Searches	Results
1	(diagnos* or real time histology or detect* or predict* or validation* or visualization or assess or resect).ti,ab,kw.	7490641
2	exp fluorescence imaging/ or narrow band imaging/ or (image enhanc* or advanced imag* or virtual chromoendoscopy or conventional endoscopy or white light* or chromo* or indigo carmine or crystal violet or narrow band or narrowband or NBI or blue light* or BLI or blue laser* or linked color* or LCI or pentax or i-scan or iscan or optical enhance* or autofluorescence or real-time endoscop* or diagnostic performance or histopathological diagnos* or optical diagnosis).ti,ab,kw. or imaging.ti.	801308
3	exp classification/ or cl.fs. or (classification* or accura* or differentiation or difference or performance or characterization or analysis or valid* or KUDO or International Colorectal Endoscopic or NICE or Japan NBI Expert Team or JNET or WASP or BING or SIMPLE classification or PICASSO or ICE or Hiroshima or teaching/ or exp learning/ or (training or teach* or learning curve or demonstrate or guide or performance or accura* or sensitivit* or specifici* or NPV or inter-observer agreement or intra-observer agreement or interobserver agreement or intraobserver agreement).ti,ab,kw. or learn*.ti.	10885845
4	*colon polyp/ or *colorectal tumor/ or *colorectal polyp/ or *colorectal cancer/ or rectum polyp/ or (diminutive or small polyp* or PIVI).ti,ab,kw.	91200
5	1 and 2 and 3 and 4	2123
6	limit 5 to conference abstract status	747
7	5 not 6	1376

Cochrane Library (Wiley)

834 hits

ID Search Hits

#1 diagnos* or real time histology or detect* or predict* or validation* or visualization or assess or resect:ti,ab,kw (Word variations have been searched) 335547

#2 MeSH descriptor: [Optical Imaging] explode all trees 1246

#3 image enhanc* or advanced imag* or virtual chromoendoscopy or conventional endoscopy or white light* or chromo* or indigo carmine or crystal violet or narrow band or narrowband or NBI or blue light* or BLI or blue laser* or linked color* or LCI or pentax or i-scan or iscan or optical enhance* or autofluorescence or real-time endoscop* or diagnostic performance or histopathological diagnos* or optical diagnosis:ti,ab,kw (Word variations have been searched) 22463

#4 imaging:ti (Word variations have been searched) 6103

#5 #2 or #3 or #4 28197

#6 classification* or accura* or differentiation or difference or performance or characterization or analysis or valid* or KUDO or International Colorectal Endoscopic or NICE or Japan NBI Expert Team or JNET or WASP or BING or SIMPLE classification or PICASSO or ICE or Hiroshima or teach* or train* or learning curve or demonstrate or guide or performance or accura* or sensitivit* or specifici* or NPV or inter-observer agreement or intra-observer agreement or interobserver agreement or intraobserver agreement (Word variations have been searched) 575193

#7 colonic polyp* or colorectal neoplasm* or diminutive or small polyp* or PIVI:ti,ab,kw (Word variations have been searched) 8027

#8 #1 and #5 and #6 and #7 834

B. **EARLY COLORECTAL CANCER**

PMID references classification: 23910062 17324407 20346170 19251003 29258091 26927367 26601626 28257790 27460392 23614123 24210654

PMID references training: 27035080 27644737 23368810 23946382 25954088

Pubmed

813 hits:

("diagnosis" [Subheading] OR diagnos*[tiab] OR real time histology[tiab] OR detect*[tiab] OR predict*[tiab] OR validation*[tiab] OR visualization[tiab] OR assess[tiab] OR resect[tiab])

AND

("Optical Imaging"[Mesh] OR "Narrow Band Imaging"[Mesh] OR image enhanc*[tiab] OR advanced imag*[tiab] OR virtual chromoendoscopy[tiab] OR conventional endoscopy[tiab] OR white light*[tiab] OR chromo*[tiab] OR indigo carmine[tiab] OR crystal violet[tiab] OR narrow band[tiab] OR narrowband[tiab] OR NBI[tiab] OR blue light*[tiab] OR BLI[tiab] OR blue laser*[tiab] OR linked color*[tiab] OR LCI[tiab] OR pentax OR i-scan[tiab] OR iscan OR optical enhance*[tiab] OR autofluorescence[tiab] OR real-time endoscop*[tiab] OR imaging[ti] OR diagnostic performance[tiab] OR histopathological diagnos*[tiab] OR optical diagnosis[tiab])

AND

("Classification"[Mesh] OR "classification" [Subheading] OR classification*[tiab] OR accura*[tiab] OR differentiation[tiab] OR difference[tiab] OR performance[tiab] OR characterization[tiab] OR analysis[tiab] OR valid*[tiab] OR KUDO[tiab] OR International Colorectal Endoscopic[tiab] OR NICE[tiab] OR Japan NBI Expert Team[tiab] OR JNET[tiab] OR WASP[tiab] OR BING[tiab] OR SIMPLE classification[tiab] OR PICASSO[tiab] OR ICE[tiab] OR Hiroshima[tiab] OR "Teaching"[Mesh] OR training[tiab] OR teach*[tiab] OR learning curve[tiab] OR learn*[ti] OR demonstrate[tiab] OR guide[tiab] OR performance[tiab] OR accura*[tiab] OR sensitivit*[tiab] OR specifici*[tiab] OR NPV[tiab] OR inter-observer agreement[tiab] OR intra-observer agreement[tiab] OR interobserver agreement[tiab] OR intraobserver agreement[tiab])

AND

(colorectal cancer*[ti] OR colorectal neoplas*[ti] OR colorectal lesion*[ti] OR colorectal tumo*[ti] OR Colorectal laterally spreading tumor[tiab] OR deep submucosal invasive carcinoma*[tiab] OR ((T1[tiab] AND colo*[tiab]) OR (early cancer[tiab] and colo*[tiab]) OR colorectal neoplasm*[tiab] OR colorectal carcinoma*[tiab] OR colorectal adenocarcinoma*[tiab] OR colorectal malignan*[tiab] OR (colo*[tiab] AND invasion[tiab]) OR (colo*[tiab] AND depth[tiab]) OR (colo*[tiab] AND submucosal[tiab]) OR (colo*[tiab] AND invasive[tiab]) OR malignant polyp[tiab]))

Embase via Ovid:

#	Searches	Results
1	(diagnos* or real time histology or detect* or predict* or validation* or visualization or assess or resect).ti,ab,kw.	7490641
2	exp fluorescence imaging/ or narrow band imaging/ or (image enhanc* or advanced imag* or virtual chromoendoscopy or conventional endoscopy or white light* or chromo* or indigo carmine or crystal violet or narrow band or narrowband or NBI or blue light* or BLI or blue laser* or linked color* or LCI or pentax or i-scan or iscan or optical enhance* or autofluorescence or real-time endoscop* or diagnostic performance or histopathological diagnos* or optical diagnosis).ti,ab,kw. or imaging.ti.	801308
3	exp classification/ or cl.fs. or (classification* or accura* or differentiation or difference or performance or characterization or analysis or valid* or KUDO or International Colorectal Endoscopic or NICE or Japan NBI Expert Team or JNET or WASP or BING or SIMPLE classification or PICASSO or ICE or Hiroshima or teaching/ or exp learning/ or (training or teach* or learning curve or demonstrate or guide or performance or accura* or sensitivit* or specifici* or NPV or inter-observer agreement or intra-observer agreement or interobserver agreement or intraobserver agreement).ti,ab,kw. or learn*.ti.	10885845
4	*colorectal carcinoma/di or *colorectal polyp/di or *colorectal tumor/ or *colorectal carcinoma/ or *colorectal cancer/di or colorectal tumor/di or (colorectal laterally spreading tumor or deep submucosal invasive carcinoma* or colorectal neoplasm* or colorectal carcinoma* or colorectal adenocarcinoma* or colorectal malignan* or malignant polyp).ti,ab,kw. or (T1 adj3 colo*).ti,ab,kw. or (early cancer adj3 colo*).ti,ab,kw. or (colo* adj3 depth).ti,ab,kw. or (colo* adj3 submucosal).ti,ab,kw. or (colo* adj3 invasive).ti,ab,kw.	58710
5	1 and 2 and 3 and 4	1488
6	limit 5 to conference abstract status	316
7	5 not 6	1172

Cochrane Library (Wiley)

719 hits

#1 diagnos* or real time histology or detect* or predict* or validation* or visualization or assess or resect:ti,ab,kw (Word variations have been searched) 335547

#2 MeSH descriptor: [Optical Imaging] explode all trees 1246

#3 image enhanc* or advanced imag* or virtual chromoendoscopy or conventional endoscopy or white light* or chromo* or indigo carmine or crystal violet or narrow band or narrowband or NBI or blue light* or BLI or blue laser* or linked color* or LCI or pentax or i-scan or iscan or optical enhance* or autofluorescence or real-time endoscop* or diagnostic performance or histopathological diagnos* or optical diagnosis:ti,ab,kw (Word variations have been searched) 22463

- #4 imaging:ti (Word variations have been searched) 6103
- #5 #2 or #3 or #4 28197
- #6 classification* or accura* or differentiation or difference or performance or characterization or analysis or valid* or KUDO or International Colorectal Endoscopic or NICE or Japan NBI Expert Team or JNET or WASP or BING or SIMPLE classification or PICASSO or ICE or Hiroshima or teach* or train* or learning curve or demonstrate or guide or performance or accura* or sensitivit* or specifici* or NPV or inter-observer agreement or intra-observer agreement or interobserver agreement or intraobserver agreement (Word variations have been searched) 575193
- #7 MeSH descriptor: [Colorectal Neoplasms] explode all trees 6659
- #8 colorectal laterally spreading tumor or deep submucosal invasive carcinoma* or colorectal neoplasm* or colorectal carcinoma* or colorectal adenocarcinoma* or colorectal malignan* or malignant polyp:ti,ab,kw (Word variations have been searched) 7790
- #9 T1 near/3 colo*:ti,ab,kw (Word variations have been searched) 17
- #10 early cancer near/3 colo*:ti,ab,kw (Word variations have been searched) 1387
- #11 colo* near/3 depth:ti,ab,kw (Word variations have been searched) 28
- #12 colo* near/3 submucosal:ti,ab,kw (Word variations have been searched) 36
- #13 colo* near/3 invasive:ti,ab,kw (Word variations have been searched) 98
- #14 #7 or #8 or #9 or #10 or #11 or #12 or #13 9939
- #15 #1 and #5 and #6 and #14 719

C. **DYSPLASIA IBD**

PMID references classification: 28986266 29394176 28322774

Pubmed

670 hits:

("diagnosis" [Subheading] OR diagnos*[tiab] OR real time histology[tiab] OR detect*[tiab] OR predict*[tiab] OR validation*[tiab] OR visualization[tiab] OR assess[tiab] OR resect[tiab])

AND

("Optical Imaging"[Mesh] OR "Narrow Band Imaging"[Mesh] OR image enhanc*[tiab] OR advanced imag*[tiab] OR virtual chromoendoscopy[tiab] OR conventional endoscopy[tiab] OR white light*[tiab] OR chromo*[tiab] OR indigo carmine[tiab] OR crystal violet[tiab] OR narrow band[tiab] OR narrowband[tiab] OR NBI[tiab] OR blue light*[tiab] OR BLI[tiab] OR blue laser*[tiab] OR linked color*[tiab] OR LCI[tiab] OR pentax OR i-scan[tiab] OR iscan OR optical enhance*[tiab] OR autofluorescence[tiab] OR real-time endoscop*[tiab] OR imaging[ti] OR diagnostic performance[tiab] OR histopathological diagnos*[tiab] OR optical diagnosis[tiab])

AND

("Classification"[Mesh] OR "classification" [Subheading] OR classification*[tiab] OR accura*[tiab] OR differentiation[tiab] OR difference[tiab] OR performance[tiab] OR characterization[tiab] OR analysis[tiab] OR valid*[tiab] OR KUDO[tiab] OR International Colorectal Endoscopic[tiab] OR NICE[tiab] OR Japan NBI Expert Team[tiab] OR JNET[tiab] OR WASP[tiab] OR BING[tiab] OR SIMPLE classification[tiab] OR PICASSO[tiab] OR ICE[tiab] OR Hiroshima[tiab] OR "Teaching"[Mesh] OR training[tiab] OR teach*[tiab] OR learning curve[tiab] OR learn*[ti] OR demonstrate[tiab] OR guide[tiab] OR performance[tiab] OR accura*[tiab] OR sensitivit*[tiab] OR specifici*[tiab] OR NPV[tiab] OR inter-observer agreement[tiab] OR intra-observer agreement[tiab] OR interobserver agreement[tiab] OR intraobserver agreement[tiab])

AND

("Colitis, Ulcerative"[Mesh] OR "Inflammatory Bowel Diseases"[Mesh] OR "Colitis"[Mesh] OR colitis[tiab] OR IBD[tiab] OR inflammatory bowel disease*[tiab])

Embase via Ovid:

#	Searches	Results
1	(diagnos* or real time histology or detect* or predict* or validation* or visualization or assess or resect).ti,ab,kw.	7470872
2	exp fluorescence imaging/ or narrow band imaging/ or (image enhanc* or advanced imag* or virtual chromoendoscopy or conventional endoscopy or white light* or chromo* or indigo carmine or crystal violet or narrow band or narrowband or NBI or blue light* or BLI or blue laser* or linked color* or LCI or pentax or i-scan or iscan or optical enhance* or autofluorescence or real-time endoscop* or diagnostic performance or histopathological diagnos* or optical diagnosis).ti,ab,kw. or imaging.ti.	799901
3	exp classification/ or cl.fs. or (classification* or accura* or differentiation or difference or performance or characterization or analysis or valid* or KUDO or International Colorectal Endoscopic or NICE or Japan NBI Expert Team or JNET or WASP or BING or SIMPLE classification or PICASSO or ICE or Hiroshima or teaching/ or exp learning/ or (training or teach* or learning curve or demonstrate or guide or performance or accura* or sensitivit* or specifici* or NPV or inter-observer agreement or intra-observer agreement or interobserver agreement or intraobserver agreement).ti,ab,kw. or learn*.ti.	8989859
4	exp *ulcerative colitis/ or exp *inflammatory bowel disease/ or exp *colitis/ or (colitis or IBD or inflammatory bowel disease*).ti,ab,kw.	170973
5	1 and 2 and 3 and 4	1489
6	limit 5 to conference abstract status	692
7	5 not 6	797

Cochrane Library

455 hits

ID Search Hits

#1 diagnos* or real time histology or detect* or predict* or validation* or visualization or assess or resect:ti,ab,kw (Word variations have been searched) 335547

#2 MeSH descriptor: [Optical Imaging] explode all trees 1246

#3 image enhanc* or advanced imag* or virtual chromoendoscopy or conventional endoscopy or white light* or chromo* or indigo carmine or crystal violet or narrow band or narrowband or NBI or blue light* or BLI or blue laser* or linked color* or LCI or pentax or i-scan or iscan or optical enhance* or autofluorescence or real-time endoscop* or diagnostic performance or histopathological diagnos* or optical diagnosis:ti,ab,kw (Word variations have been searched) 22463

#4 imaging:ti (Word variations have been searched) 6103

#5 #2 or #3 or #4 28197

#6 classification* or accura* or differentiation or difference or performance or characterization or analysis or valid* or KUDO or International Colorectal Endoscopic or NICE or Japan NBI Expert Team or JNET or WASP or BING or SIMPLE classification or PICASSO or ICE or Hiroshima or teach* or train* or learning curve or demonstrate or guide or performance or accura* or sensitivit* or specifici* or NPV or inter-observer agreement or intra-observer agreement or interobserver agreement or intraobserver agreement (Word variations have been searched) 575193

#7 colitis or ulcerative colitis or IBD or inflammatory bowel disease*:ti,ab,kw (Word variations have been searched) 8570

#8 #1 and #5 and #6 and #7 455

D. BARRETT'S ESOPHAGUS

PMID references classification: 16860063 16860062 18459090 25621687 28432477 27448208 26627609 24165812 21184868

PMID references training: 19318970 23215965 28103621 26272857 27009460 23433595 15543378 21184868 26874597 24379583 24721106

Pubmed

337 hits:

("diagnosis" [Subheading] OR diagnos*[tiab] OR real time histology[tiab] OR detect*[tiab] OR predict*[tiab] OR validation*[tiab] OR visualization[tiab] OR assess[tiab] OR resect[tiab])

AND

("Optical Imaging"[Mesh] OR "Narrow Band Imaging"[Mesh] OR image enhanc*[tiab] OR advanced imag*[tiab] OR virtual chromoendoscopy[tiab] OR conventional endoscopy[tiab] OR white light*[tiab] OR chromo*[tiab] OR indigo carmine[tiab] OR crystal violet[tiab] OR narrow band[tiab] OR narrowband[tiab] OR NBI[tiab] OR blue light*[tiab] OR BLI[tiab] OR blue laser*[tiab] OR linked color*[tiab] OR LCI[tiab] OR pentax OR i-scan[tiab] OR iscan OR optical enhance*[tiab] OR autofluorescence[tiab] OR real-time endoscop*[tiab] OR imaging[ti] OR diagnostic performance[tiab] OR histopathological diagnos*[tiab] OR optical diagnosis[tiab])

AND

("Classification"[Mesh] OR "classification" [Subheading] OR classification*[tiab] OR accura*[tiab] OR differentiation[tiab] OR difference[tiab] OR performance[tiab] OR characterization[tiab] OR analysis[tiab] OR valid*[tiab] OR Kansas[tiab] OR Amsterdam[tiab] OR Nottingham[tiab] OR (Barret*[tiab] AND International NBI Group[tiab]) OR BING[tiab] OR IPCL[tiab] OR intrapapillary capillary loop[tiab] OR Inoue[tiab] OR "Teaching"[Mesh] OR training[tiab] OR teach*[tiab] OR learning curve[tiab] OR learn*[ti] OR demonstrate[tiab] OR guide[tiab] OR performance[tiab] OR accura*[tiab] OR sensitivit*[tiab] OR specific*[tiab] OR NPV[tiab] OR inter-observer agreement[tiab] OR intra-observer agreement[tiab] OR interobserver agreement[tiab] OR intraobserver agreement[tiab])

AND

("Barrett Esophagus"[Mesh] OR barret*[tiab])

Embase via Ovid:

#	Searches	Results
1	(diagnos* or real time histology or detect* or predict* or validation* or visualization or assess or resect).ti,ab,kw.	7470872
2	exp fluorescence imaging/ or narrow band imaging/ or (image enhanc* or advanced imag* or virtual chromoendoscopy or conventional endoscopy or white light* or chromo* or indigo carmine or crystal violet or narrow band or narrowband or NBI or blue light* or BLI or blue laser* or linked color* or LCI or pentax or i-scan or iscan or optical enhance* or autofluorescence or real-time endoscop* or diagnostic performance or histopathological diagnos* or optical diagnosis).ti,ab,kw. or imaging.ti.	799901
3	exp classification/ or cl.fs. or (classification* or accura* or differentiation or difference or performance or characterization or analysis or valid* or Kansas or Amsterdam or Nottingham or BING or IPCL or intrapapillary capillary loop or Inoue).ti,ab,kw. or (Barret* and International NBI Group).ti,ab,kw. or (teaching/ or exp learning/ or (training or teach* or learning curve or demonstrate or guide or performance or accura* or sensitivit* or specifici* or NPV or inter-observer agreement or intra-observer agreement or interobserver agreement or intraobserver agreement)).ti,ab,kw. or (learn*).ti.	10844632
4	Barrett esophagus/ or barret*.ti,ab,kw.	18709
5	1 and 2 and 3 and 4	928
6	limit 5 to conference abstract status	425
7	5 not 6	503

Cochrane Library

81 hits

ID Search Hits

#1 diagnos* or real time histology or detect* or predict* or validation* or visualization or assess or resect:ti,ab,kw (Word variations have been searched) 335547

#2 MeSH descriptor: [Optical Imaging] explode all trees 1246

#3 image enhanc* or advanced imag* or virtual chromoendoscopy or conventional endoscopy or white light* or chromo* or indigo carmine or crystal violet or narrow band or narrowband or NBI or blue light* or BLI or blue laser* or linked color* or LCI or pentax or i-scan or iscan or optical enhance* or autofluorescence or real-time endoscop* or diagnostic performance or histopathological diagnos* or optical diagnosis:ti,ab,kw (Word variations have been searched) 22463

#4 imaging:ti (Word variations have been searched) 6103

#5 #2 or #3 or #4 28197

- #6 classification* or accura* or differentiation or difference or performance or characterization or analysis or valid* or Kansas or Amsterdam or Nottingham or BING or IPCL or intrapapillary capillary loop or Inoue or International NBI Group or teach* or train* or learning curve or demonstrate or guide or performance or accura* or sensitivit* or specifi* or NPV or inter-observer agreement or intra-observer agreement or interobserver agreement or intraobserver agreement :ti,ab,kw (Word variations have been searched) 575194
- #7 MeSH descriptor: [Barrett Esophagus] explode all trees 252
- #8 barret*:ti,ab,kw (Word variations have been searched) 557
- #9 #7 or #8 557
- #10 #1 and #5 and #6 and #9 81

E. **EARLY GASTRIC CANCER**

PMID references classification: 17001572 27280384 22294194 26140102 25632201 22752002 29399611 26381303 26135651

PMID references training: 24287281 24988209 23678267 25590840

Pubmed

841 hits:

("diagnosis" [Subheading] OR diagnos*[tiab] OR real time histology[tiab] OR detect*[tiab] OR predict*[tiab] OR validation*[tiab] OR visualization[tiab] OR assess[tiab] OR resect[tiab])

AND

("Optical Imaging"[Mesh] OR "Narrow Band Imaging"[Mesh] OR image enhanc*[tiab] OR advanced imag*[tiab] OR virtual chromoendoscopy[tiab] OR conventional endoscopy[tiab] OR white light*[tiab] OR chromo*[tiab] OR indigo carmine[tiab] OR crystal violet[tiab] OR narrow band[tiab] OR narrowband[tiab] OR NBI[tiab] OR blue light*[tiab] OR BLI[tiab] OR blue laser*[tiab] OR linked color*[tiab] OR LCI[tiab] OR pentax OR i-scan[tiab] OR iscan OR optical enhance*[tiab] OR autofluorescence[tiab] OR real-time endoscop*[tiab] OR imaging[ti] OR diagnostic performance[tiab] OR histopathological diagnos*[tiab] OR optical diagnosis[tiab])

AND

("Classification"[Mesh] OR "classification" [Subheading] OR classification*[tiab] OR accura*[tiab] OR differentiation[tiab] OR difference[tiab] OR performance[tiab] OR characterization[tiab] OR analysis[tiab] OR valid*[tiab] OR Kansas[tiab] OR Amsterdam[tiab] OR Nottingham[tiab] OR (Barret*[tiab] AND International NBI Group[tiab]) OR BING[tiab] OR IPCL[tiab] OR intrapapillary capillary loop[tiab] OR Inoue[tiab] OR "Teaching"[Mesh] OR training[tiab] OR teach*[tiab] OR learning curve[tiab] OR learn*[ti] OR demonstrate[tiab] OR guide[tiab] OR performance[tiab] OR accura*[tiab] OR sensitivit*[tiab] OR specifici*[tiab] OR NPV[tiab] OR inter-observer agreement[tiab] OR intra-observer agreement[tiab] OR interobserver agreement[tiab] OR intraobserver agreement[tiab])

AND

("Stomach Neoplasms"[Mesh] OR stomach neoplasm*[tiab] OR stomach cancer*[tiab] OR gastric cancer[tiab] OR gastric neoplasm*[tiab] OR gastric dysplasia*[tiab] OR gastric intestinal metaplasia*[tiab] OR gastric mucosa[tiab])

Embase via Ovid:

#	Searches	Results
1	(diagnos* or real time histology or detect* or predict* or validation* or visualization or assess or resect).ti,ab,kw.	7470872
2	exp fluorescence imaging/ or narrow band imaging/ or (image enhanc* or advanced imag* or virtual chromoendoscopy or conventional endoscopy or white light* or chromo* or indigo carmine or crystal violet or narrow band or narrowband or NBI or blue light* or BLI or blue laser* or linked color* or LCI or pentax or i-scan or iscan or optical enhance* or autofluorescence or real-time endoscop* or diagnostic performance or histopathological diagnos* or optical diagnosis).ti,ab,kw. or imaging.ti.	799901
3	exp classification/ or cl.fs. or (classification* or accura* or differentiation or difference or performance or characterization or analysis or valid* or Kansas or Amsterdam or Nottingham or BING or IPCL or intrapapillary capillary loop or Inoue).ti,ab,kw. or (Barret* and International NBI Group).ti,ab,kw. or (teaching/ or exp learning/ or (training or teach* or learning curve or demonstrate or guide or performance or accura* or sensitivit* or specifici* or NPV or inter-observer agreement or intra-observer agreement or interobserver agreement or intraobserver agreement)).ti,ab,kw. or (learn*).ti.	10844632
4	exp *stomach cancer/ or *stomach lesion/ or (stomach neoplasm* or stomach cancer* or gastric cancer or gastric neoplasm* or gastric dysplasia* or gastric intestinal metaplasia* or gastric mucosa).ti,ab,kw.	126239
5	1 and 2 and 3 and 4	1759
6	limit 5 to conference abstract status	561
7	5 not 6	1198

Cochrane Library

636 hits

ID Search Hits

#1 diagnos* or real time histology or detect* or predict* or validation* or visualization or assess or resect:ti,ab,kw (Word variations have been searched) 335547

#2 MeSH descriptor: [Optical Imaging] explode all trees 1246

#3 image enhanc* or advanced imag* or virtual chromoendoscopy or conventional endoscopy or white light* or chromo* or indigo carmine or crystal violet or narrow band or narrowband or NBI or blue light* or BLI or blue laser* or linked color* or LCI or pentax or i-scan or iscan or optical enhance* or autofluorescence or real-time endoscop* or diagnostic performance or histopathological diagnos* or optical diagnosis:ti,ab,kw (Word variations have been searched) 22463

#4 imaging:ti (Word variations have been searched) 6103

#5 #2 or #3 or #4 28197

#6 classification* or accura* or differentiation or difference or performance or characterization or analysis or valid* or Kansas or Amsterdam or Nottingham or BING or IPCL or intrapapillary capillary loop or Inoue or International NBI Group or teach* or train* or learning curve or demonstrate or guide or performance or accura* or sensitivit* or specifici* or NPV or inter-observer agreement or intra-observer agreement or interobserver agreement or intraobserver agreement :ti,ab,kw (Word variations have been searched) 575194

#7 stomach neoplasm* or stomach cancer* or gastric cancer or gastric neoplasm* or gastric dysplasia* or gastric intestinal metaplasia* or gastric mucosa:ti,ab,kw (Word variations have been searched) 8420

#8 #1 and #5 and #6 and #7 636

F. **OESOPHAGEAL SQUAMOUS CELL CARCINOMA**

PMID references classification: 25590187 28386209 28706424 25608626 25683023 27895406

PMID references training: 20095991 29247549

Pubmed

1889 hits:

("diagnosis" [Subheading] OR diagnos*[tiab] OR real time histology[tiab] OR detect*[tiab] OR predict*[tiab] OR validation*[tiab] OR visualization[tiab] OR assess[tiab] OR resect[tiab])

AND

("Optical Imaging"[Mesh] OR "Narrow Band Imaging"[Mesh] OR image enhanc*[tiab] OR advanced imag*[tiab] OR virtual chromoendoscopy[tiab] OR conventional endoscopy[tiab] OR white light*[tiab] OR chromo*[tiab] OR indigo carmine[tiab] OR crystal violet[tiab] OR narrow band[tiab] OR narrowband[tiab] OR NBI[tiab] OR blue light*[tiab] OR BLI[tiab] OR blue laser*[tiab] OR linked color*[tiab] OR LCI[tiab] OR pentax OR i-scan[tiab] OR iscan OR optical enhance*[tiab] OR autofluorescence[tiab] OR real-time endoscop*[tiab] OR imaging[ti] OR diagnostic performance[tiab] OR histopathological diagnos*[tiab] OR optical diagnosis[tiab])

AND

("Classification"[Mesh] OR "classification" [Subheading] OR classification*[tiab] OR accura*[tiab] OR differentiation[tiab] OR difference[tiab] OR performance[tiab] OR characterization[tiab] OR analysis[tiab] OR valid*[tiab] OR Kansas[tiab] OR Amsterdam[tiab] OR Nottingham[tiab] OR (Barret*[tiab] AND International NBI Group[tiab]) OR BING[tiab] OR IPCL[tiab] OR intrapapillary capillary loop[tiab] OR Inoue[tiab] OR "Teaching"[Mesh] OR training[tiab] OR teach*[tiab] OR learning curve[tiab] OR learn*[ti] OR demonstrate[tiab] OR guide[tiab] OR performance[tiab] OR accura*[tiab] OR sensitivit*[tiab] OR specific*[tiab] OR NPV[tiab] OR inter-observer agreement[tiab] OR intra-observer agreement[tiab] OR interobserver agreement[tiab] OR intraobserver agreement[tiab])

AND

("Neoplasms, Squamous Cell"[Mesh] OR squamous cell ca*[tiab] OR squamous cell neoplasm*[tiab])

Embase via Ovid:

#	Searches	Results
1	(diagnos* or real time histology or detect* or predict* or validation* or visualization or assess or resect).ti,ab,kw.	7470872
2	exp fluorescence imaging/ or narrow band imaging/ or (image enhanc* or advanced imag* or virtual chromoendoscopy or conventional endoscopy or white light* or chromo* or indigo carmine or crystal violet or narrow band or narrowband or NBI or blue light* or BLI or blue laser* or linked color* or LCI or pentax or i-scan or iscan or optical enhance* or autofluorescence or real-time endoscop* or diagnostic performance or histopathological diagnos* or optical diagnosis).ti,ab,kw. or imaging.ti.	799901
3	exp classification/ or cl.fs. or (classification* or accura* or differentiation or difference or performance or characterization or analysis or valid* or Kansas or Amsterdam or Nottingham or BING or IPCL or intrapapillary capillary loop or Inoue).ti,ab,kw. or (Barret* and International NBI Group).ti,ab,kw. or (teaching/ or exp learning/ or (training or teach* or learning curve or demonstrate or guide or performance or accura* or sensitivit* or specifici* or NPV or inter-observer agreement or intra-observer agreement or interobserver agreement or intraobserver agreement)).ti,ab,kw. or (learn*).ti.	10844632
4	exp *squamous cell carcinoma/ or (squamous adj4 (ca* or neoplas*)).ti,ab,kw.	156779
5	1 and 2 and 3 and 4	3260
6	limit 5 to conference abstract status	945
7	5 not 6	2315

Cochrane Library

400 hits

ID Search Hits

#1 diagnos* or real time histology or detect* or predict* or validation* or visualization or assess or resect:ti,ab,kw (Word variations have been searched) 335547

#2 MeSH descriptor: [Optical Imaging] explode all trees 1246

#3 image enhanc* or advanced imag* or virtual chromoendoscopy or conventional endoscopy or white light* or chromo* or indigo carmine or crystal violet or narrow band or narrowband or NBI or blue light* or BLI or blue laser* or linked color* or LCI or pentax or i-scan or iscan or optical enhance* or autofluorescence or real-time endoscop* or diagnostic performance or histopathological diagnos* or optical diagnosis:ti,ab,kw (Word variations have been searched) 22463

#4 imaging:ti (Word variations have been searched) 6103

#5 #2 or #3 or #4 28197

#6 classification* or accura* or differentiation or difference or performance or characterization or analysis or valid* or Kansas or Amsterdam or Nottingham or BING or IPCL or intrapapillary capillary loop or Inoue or International NBI Group or teach* or train* or learning curve or demonstrate or guide or performance or accura* or sensitivit* or specifici* or NPV or inter-observer agreement or intra-observer agreement or interobserver agreement or intraobserver agreement :ti,ab,kw (Word variations have been searched) 575194

#7 squamous cell ca* or squamous cell neoplasm*:ti,ab,kw (Word variations have been searched) 6460

#8 #1 and #5 and #6 and #7 400