**Appendix 1. Detailed search strategy**

MEDLINE (on PubMed)

(Helicobacter[Title/Abstract] OR pylori[Title/Abstract] OR Campylobacter[Title/Abstract] OR helicobacter[MeSH Terms]) AND (((colorectal[Title/Abstract] OR colon[Title/Abstract] OR colons[Title/Abstract] OR colonic[Title/Abstract] OR rectal[Title/Abstract] OR rectum[Title/Abstract] OR large bowel[Title/Abstract] OR large bowels[Title/Abstract] OR large intestine[Title/Abstract] OR large intestines[Title/Abstract] OR large intestinal[Title/Abstract]) AND (neoplasm[Title/Abstract] OR neoplasms[Title/Abstract] OR neoplasia[Title/Abstract] OR cancer[Title/Abstract] OR cancers[Title/Abstract] OR carcinoma[Title/Abstract] OR carcinomas[Title/Abstract] OR adenoma[Title/Abstract] OR adenomas[Title/Abstract] OR polyp[Title/Abstract] OR polyps[Title/Abstract] OR polypoid[Title/Abstract] OR tumor[Title/Abstract] OR tumors[Title/Abstract] OR tumour[Title/Abstract] OR tumours[Title/Abstract])) OR (colorectal neoplasms[MeSH Terms])) AND ("1980/01/01"[Date - Publication] : "3000"[Date - Publication])

EMBASE (on Ovid)

#1: (Helicobacter or pylori or Campylobacter).ab,ti.

#2: Helicobacter/

#3: ((colorectal or colon or colons or colonic or rectal or rectum or 'large bowel' or 'large bowels' or 'large intestine' or 'large intestines' or 'large intestinal') and (neoplasm or neoplasms or neoplasia or cancer or cancers or carcinoma or carcinomas or adenoma or adenomas or polyp or polyps or polypoid or tumor or tumors or tumour or tumours)).ab,ti.

#4: colorectal tumor/

#5: (1 or 2) and (3 or 4)

#6: limit 5 to (full text and y r="1990 -Current")

Cochrane library

#1: Helicobacter or pylori or Campylobacter

#2: colorectal or colon or colons or colonic or rectal or rectum or "large bowel" or "large bowels" or "large intestine" or "large intestines" or "large intestinal"

#3: neoplasm or neoplasms or neoplasia or cancer or cancers or carcinoma or carcinomas or adenoma or adenomas or polyp or polyps or polypoid or tumor or tumors or tumour or tumours

#4: #1 and #2 and #3 (with Publication Year from 1980 to 2019, in Trials)