

## Appendix 1: Search strategy

The following databases were searched:

MEDLINE (OvidSP, 1946 onwards)

PubMed (epublications only)

Embase (OvidSP, 1974 onwards)

CDSR, CENTRAL, DARE, HTA & NHSEED (The Cochrane Library 2015, Issue 3)

Transfusion Evidence Library

Ongoing Trials:

ClinicalTrials.gov

WHO International Clinical Trials Registry Platform: 36 refs

**N.B. The Data Providers of the ICTRP Search Portal currently are:**

Australian New Zealand Clinical Trials Registry (ANZCTR)  
Brazilian Clinical Trials Registry (ReBec)  
Chinese Clinical Trial Register (ChiCTR)  
Clinical Research Information Service (CRIS), Republic of Korea  
ClinicalTrials.gov  
Clinical Trials Registry - India (CTRI)  
Cuban Public Registry of Clinical Trials (RPCEC)  
EU Clinical Trials Register (EU-CTR)  
German Clinical Trials Register (DRKS)  
Iranian Registry of Clinical Trials (IRCT)  
ISRCTN.org  
Japan Primary Registries Network (JPRN)  
Pan African Clinical Trial Registry (PACTR)  
Sri Lanka Clinical Trials Registry (SLCTR)  
The Netherlands National Trial Register (NTR)

## SEARCH STRATEGIES

MEDLINE (OvidSP)

1. exp Lower Gastrointestinal Tract/
2. exp Intestines/
3. Gastrointestinal Tract/
4. exp Mesenteric Arteries/
5. (lower gastrointestinal tract\* or lower gastro-intestinal tract\* or lower GI tract\* or large intestine\* or small intestine\* or mesenteric arter\*).tw,kf.
6. or/1-5
7. (h?emorrhag\* or bleed\* or re-bleed\* or rebleed\* or blood loss\*).mp.
8. 6 and 7
9. exp Gastrointestinal Hemorrhage/
10. ((anal or anus or rectum or rectal or colon or colonic or colorectal or cecum or caecum or jejunum or cloaca or gut or ileum or diverticula\* or lower intestine\* or large intestine\* or small intestine\* or bowel or lower gastrointestinal or lower gastro-intestinal or lower GI or mesenteric) adj6 (h?emorrhag\* or bleed\* or re-bleed\* or rebleed\* or blood loss\*)).tw,kf.
11. (hematochezia or mel?ena or colonic angiodysplasia or proctorrhagi\* or rectocolic\* or rectorrhagi\*).tw,kf.
12. or/8-11
13. exp Colonoscopy/
14. Proctoscopy/
15. (colonoscop\* or coloscop\* or sigmoidoscop\* or proctoscop\* or rectoscop\* or enteroscop\* or anoscop\*).tw,kf.
16. Endoscopy, Gastrointestinal/
17. Capsule Endoscopy/
18. (endoscop\* adj3 (capsule or video or lower or mesenteric or colon\* or bowel)).tw,kf.
19. pillcam.tw,kf.
20. or/13-19
21. Colonography, Computed Tomographic/

22. ((CT or computed or tomograph\* or virtual) adj2 (colonograph\* or colonoscop\* or pneumocolon\*)).tw,kf.
23. Tomography, X-Ray Computed/
24. Radiology, Interventional/
25. (tomograph\* angiogra\* or CTA or CT angiogra\* or mesenteric angiogra\* or GI angiogra\* or (radiolog\* adj2 (diagnos\* or intervention\*))).tw,kf.
26. Angiography/
27. or/21-26
28. Hemostasis, Endoscopic/
29. ((therap\* or treatment\* or h?emosta\* or epinephrine or adrenaline or cyanoacrylate or inject\* or band\* or electrocauter\* or argon plasma or thermal coagulat\* or thermocoagulat\* or thermo-coagulat\* or heater probe\* or argon coagulat\* or laser coagulat\* or YAG laser or ablat\* or h?emoclip\* or h?emospray or sclerotherap\*) adj10 endoscop\*).tw,kf.
30. (endotherap\* or endoclip\* or over-the-scope clip\*).tw,kf.
31. 20 or 28 or 29 or 30
32. Embolization, Therapeutic/
33. (emboli?ation or emboli?ed or embolotherap\* or angioemboli\* or microemboli\*).tw,kf.
34. 27 or 32 or 33
35. 12 and (31 or 34)
36. limit 35 to yr="2000 -Current"

#### EMBASE (OvidSP)

1. exp Large Intestine/
2. exp Small Intestine/
3. exp Anus/
4. exp Mesenteric Artery/
5. Intestine/
6. Gastrointestinal Tract/
7. (lower gastrointestinal tract\* or lower gastro-intestinal tract\* or lower GI tract\* or large intestin\* or small intestin\* or mesenteric arter\*).tw.
8. 1 or 2 or 4 or 5 or 6 or 7
9. (h?emorrhag\* or bleed\* or re-bleed\* or rebleed\* or blood loss\*).mp.
10. Bleeding/
11. 9 or 10
12. 8 and 11
13. Gastrointestinal Hemorrhage/ or Colon Hemorrhage/ or Hemorrhagic Colitis/ or Intestinal Bleeding/ or Intestine Hematoma/ or Large Intestine Hemorrhage/ or Melena/ or Rectum Hemorrhage/ or Small Intestine Hemorrhage/
14. ((anal or anus or rectum or rectal or colon or colonic or colorectal or cecum or caecum or jejunum or cloaca or gut or ileum or diverticula\* or lower intestin\* or large intestin\* or small intestin\* or bowel or lower gastrointestinal or lower gastro-intestinal or lower GI or mesenteric) adj6 (h?emorrhag\* or bleed\* or re-bleed\* or rebleed\* or blood loss\*)).tw.
15. (hematochezia or mel?ena or colonic angiodysplasia or proctorrhagi\* or rectocolic\* or rectorrhagi\*).tw.
16. or/12-15
17. Intestine Endoscopy/ or Capsule Endoscopy/ or Colonoscopy/ or Push Enteroscopy/ or Rectoscopy/ or Sigmoidoscopy/
18. Gastrointestinal Endoscopy/
19. (colonoscop\* or coloscop\* or sigmoidoscop\* or proctoscop\* or rectoscop\* or enteroscop\* or anoscop\* or pillcam\*).tw.
20. (endoscop\* adj3 (capsule or video or lower or mesenteric or colon\* or bowel)).tw.
21. or/17-20
22. \*Endoscopy/ and \*Hemostasis/
23. ((therap\* or treatment\* or h?emosta\* or epinephrine or adrenaline or cyanoacrylate or inject\* or banded or banding or electrocauter\* or argon plasma or thermal coagulat\* or thermocoagulat\* or thermo-coagulat\* or heater probe\* or argon coagulat\* or laser coagulat\* or YAG laser or ablat\* or h?emoclip\* or h?emospray or sclerotherap\*) adj10 endoscop\*).tw.
24. (endotherap\* or endoclip\* or over-the-scope clip\*).tw.
25. or/21-24
26. Computed Tomographic Colonography/

27. ((CT or computed or tomograph\* or virtual) adj2 (colonograph\* or colonoscop\* or pneumocolon\*)).tw.
28. Computer Assisted Tomography/
29. Interventional Radiology/
30. (tomograph\* angiogra\* or CTA or CT angiogra\* or mesenteric angiogra\* or GI angiogra\* or (radiolog\* adj2 (diagnos\* or intervention\*))).tw.
31. Abdominal Angiography/ or Superior Mesenteric Angiography/
32. Pelvic Angiography/
33. or/26-32
34. Artificial Embolism/
35. (emboli?ation or emboli?ed or embolotherap\* or angioemboli\* or microemboli\*).tw.
36. or/33-35
37. 16 and (25 or 36)

PubMed (epublications only)

- #1 (lower gastrointestinal tract\* OR lower gastro-intestinal tract\* OR lower GI tract\* OR large intestine\* OR small intestine\* OR mesenteric arter\*) AND (hemorrhag\* OR haemorrhag\* OR bleed\* OR re-bleed\* OR rebleed\* OR blood loss\*)
- #2 ((anal OR anus OR rectum OR rectal OR colon OR colonic OR colorectal OR cecum OR caecum OR jejunum OR cloaca OR gut OR ileum OR diverticula\* OR lower intestine\* OR large intestine\* OR small intestine\* OR bowel OR lower gastrointestinal OR lower gastro-intestinal OR lower GI OR mesenteric) AND (hemorrhag\* OR haemorrhage\* OR bleed\* OR re-bleed\* OR rebleed\* OR blood loss\*))
- #3 (hematochezia OR melena OR melaena OR colonic angiodysplasia OR proctorrhagi\* OR rectocolic\* OR rectorrhagi\*)
- #4 #1 OR #2 OR #3
- #5 (colonoscop\* OR coloscop\* OR sigmoidoscop\* OR proctoscop\* OR rectoscop\* OR anoscop\* OR pillcam OR endotherap\* OR endoclip\* OR over-the-scope clip\*)
- #6 ((capsule OR video OR lower OR mesenteric OR colon OR colonic OR bowel OR hemosta\* OR haemostat\* OR epinephrine OR adrenaline OR cyanoacrylate OR inject\* OR banded OR banding OR electrocauter\* OR argon plasma OR thermal coagulat\* OR thermocoagulat\* OR thermo-coagulat\* OR heater probe\* OR argon coagulat\* OR laser coagulat\* OR YAG laser OR ablat\* OR hemoclip\* OR hemospray OR sclerotherap\*) AND endoscop\*)
- #7 #5 OR #6
- #8 ((CT OR computed OR tomograph\* OR virtual) AND (colonograph\* OR colonoscop\* OR pneumocolon\*))
- #9 (tomograph\* angiogra\* OR CTA OR CT angiogra\* OR mesenteric angiogra\* OR GI angiogra\* OR (radiolog\* AND (diagnos\* OR intervention\*)))
- #10 (embolization OR embolized OR embolization OR embolised OR embolotherap\* OR angioemboli\* OR microemboli\*)
- #11 #8 OR #9 OR #10
- #12 #4 and (#7 OR #11)
- #13 ((random\* OR blind\* OR "control group" OR placebo\* OR controlled OR cohort\* OR nonrandom\* OR observational OR retrospective\* OR prospective\* OR comparative OR comparator OR groups OR trial\* OR "systematic review" OR "meta-analysis" OR metaanalysis OR "literature search" OR medline OR cochrane OR embase) AND (publisher[sb] OR inprocess[sb] OR pubmednotmedline[sb]))
- #14 #12 and #13

#### TRANSFUSION EVIDENCE LIBRARY

Clinical Specialty: Gastrointestinal Disorders

Subject Area: Red Cells

ClinicalTrials.gov

Conditions/Search Terms: GI bleeding OR lower gastrointestinal hemorrhage OR colorectal bleeding OR colonic bleeding OR intestinal bleeding OR rectal bleeding OR mesenteric bleeding OR hematochezia OR melena OR bowel bleeding OR diverticular bleeding  
Interventions: endoscopy OR colonoscopy OR CT OR tomography OR proctoscopy OR endoclip OR colonography OR angiography OR embolization OR capsule OR pillcam

ICTRP

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Interventions: endoscopy OR colonoscopy OR CT OR tomography OR proctoscopy OR endoclip OR colonography OR angiography OR embolization OR capsule OR pillcam