|  |  |
| --- | --- |
| PICO 1 | Risk stratification to identify low-risk patients with LGIB who can be discharged early from the hospital with outpatient evaluation  P: People with LGIB with very low risk scores (e.g. Oakland<=8) at presentation  I: Discharge from the ED with outpatient management  C: Hospitalize  O: Safe discharge (absence of blood transfusion, rebleeding, hemostatic intervention [endoscopic hemostasis, arterial embolization, surgery], hospital readmission, death) |

**Databases: PubMed, Embase, Scopus, Cochrane, & Google Scholar (first 100 results)**

**Total Articles Screened: 1203**

**Irrelevant on first pass: 1184**

**Excluded on full text review: 15**

**Final studies extracted: 4**

**Medline via PubMed Search: 316 results**

**Filters:** English, Humans, (no country limit)

Date filter: Dec 1, 2013 – Dec 31, 2021

**Last run: Dec 8, 2021**

**LGIB Concept:**

(("Intestine, Large"[Mesh] OR "Lower Gastrointestinal Tract"[Mesh] OR "lower gastrointestinal"[tiab] OR "lower gastro-intestinal"[tiab] OR "lower intestinal"[tiab] OR "lower intestine"[tiab] OR lower-GI[tiab] OR "lower GI"[tiab] OR anal[tiab] OR anus[tiab] OR rectal[tiab] OR rectum[tiab] OR colon[tiab] OR colonic[tiab] OR colorectal[tiab] OR cecum[tiab] OR caecum[tiab] OR diverticula\*[tiab] OR jejunum[tiab] OR cloaca[tiab] OR gut[tiab] OR ileum[tiab] OR bowel[tiab] OR mesenteric[tiab]) AND (LIB[tiab] OR LGIB[tiab] OR "Gastrointestinal Hemorrhage"[Mesh] OR gastrointestinal-hemorrhag\*[tiab] OR gastrointestinal-haemorrhag\*[tiab] OR "gastrointestinal-bleed\*"[tiab] OR bleed\*[tiab] OR rebleed\*[tiab] OR re-bleed\*[tiab] OR blood-loss\*[tiab] OR "blood loss"[tiab] OR hemorrhag\*[tiab] OR haemorrhag\*[tiab])) OR ((Hematochezia[tiab] OR Haematochezia[tiab] OR "Diverticular-bleed\*"[tiab] OR "Diverticular-hemorrhag\*"[tiab] OR "Diverticular-haemorrhag\*"[tiab] OR Melena[tiab] OR melaena[tiab] OR proctorrhagi\*[tiab] OR rectocolic\*[tiab] OR rectorrhagi\*[tiab] OR LGIB[tiab] OR LIB[tiab]))

**Risk stratification concept:**

("Risk Stratification"[tiab] OR stratification[tiab] OR stratify[tiab] OR "Risk Assessment"[Mesh] OR "Risk Management"[Mesh] OR "Severity of Illness Index"[Mesh] OR "Risk Factors"[Mesh:NoExp] OR risk-factor\* OR low risk\*[tiab] OR "low-risk"[tiab] OR "Triage"[Mesh] OR risk-scor\*[tiab] OR scoring-system\*[tiab] OR BLEED[tiab] OR Oakland[tiab] OR "Charlson Comorbidity Index"[tiab] OR "Glasgow blatchford"[tiab] OR NOBLADS[tiab] OR Rockall[tiab] OR SHAP(2)PE[tiab] OR SHA2PE[tiab] OR STRATE[tiab]) OR (risk\*[tiab] AND (factor\*[tiab] OR prediction-tool\*[tiab] OR scoring-system\*[tiab] OR assess\*[tiab] OR decision-making[tiab] OR prediction-tool\*[tiab] OR severity[tiab] OR clinical-tool\*[tiab] OR algorithm\*[tiab] OR "patient presentation"[tiab] OR validation[tiab] OR evaluation[tiab] OR management[tiab] OR classification\*[tiab]))

**Safe discharge concept:**

("Patient Discharge"[Mesh] OR "patient discharge"[tiab] OR "Patient Readmission"[Mesh] OR "patient readmission"[tiab] OR "Hospitalization"[Mesh] OR "hospital readmission"[tiab] OR inpatient-discharge\*[tiab] OR outpatient-discharge\*[tiab] OR "outpatient management" OR "discharge times"[tiab] OR "early discharge"[tiab] OR "early patient discharge"[tiab] OR "early hospital discharge"[tiab] OR post-discharge\*[tiab] OR "safe discharge"[tiab] OR "home discharge"[tiab] OR "emergency department"[tiab] OR "Emergency Room"[tiab] OR ER[tiab] OR "emergency service\*"[tiab] OR "Emergency Service, Hospital"[Mesh] OR "Outpatient Clinics, Hospital"[Mesh] OR "Outpatients"[Mesh] OR outpatient\*[tiab] OR out-patient\*[tiab] OR "urgent care"[tiab] OR "hospital-based intervention"[tiab] OR "Patient Safety"[Mesh] OR "patient safety"[tiab] OR "Contraindications"[Mesh] OR contraindication\*[tiab])

Date:

(2013/12/01[PDAT]:2021/12/31[PDAT]) OR (2013/12/01[EPDAT]:2021/12/31[EPDAT])

Human:

NOT (animals[mesh] NOT humans[mesh])

English:

AND (english[Filter])

**Embase Search: 690 Results**

**Filters: Exclude Medine;** English, Humans, (no country limit)

Date filter: Dec 1, 2013 – Dec 31, 2021

**Last run: Dec 8, 2021**

('large intestine'/exp OR 'lower gastrointestinal tract'/exp OR 'lower gastrointestinal':ti,ab OR 'lower gastro-intestinal':ti,ab OR 'lower intestinal':ti,ab OR 'lower intestine':ti,ab OR 'lower gi':ti,ab OR anal:ti,ab OR anus:ti,ab OR rectal:ti,ab OR rectum:ti,ab OR colon:ti,ab OR colonic:ti,ab OR colorectal:ti,ab OR cecum:ti,ab OR caecum:ti,ab OR diverticula\*:ti,ab OR jejunum:ti,ab OR cloaca:ti,ab OR gut:ti,ab OR ileum:ti,ab OR bowel:ti,ab OR mesenteric:ti,ab) AND (lib:ti,ab OR lgib:ti,ab OR 'gastrointestinal hemorrhage'/exp OR 'gastrointestinal hemorrhag\*':ti,ab OR 'gastrointestinal haemorrhag\*':ti,ab OR 'gastrointestinal bleed\*':ti,ab OR bleed\*:ti,ab OR rebleed\*:ti,ab OR 're bleed\*':ti,ab OR 'blood loss\*':ti,ab OR 'blood loss':ti,ab OR hemorrhag\*:ti,ab OR haemorrhag\*:ti,ab) OR hematochezia:ti,ab OR haematochezia:ti,ab OR 'diverticular bleed\*':ti,ab OR 'diverticular hemorrhag\*':ti,ab OR 'diverticular haemorrhag\*':ti,ab OR melena:ti,ab OR melaena:ti,ab OR proctorrhagi\*:ti,ab OR rectocolic\*:ti,ab OR rectorrhagi\*:ti,ab OR lgib:ti,ab OR lib:ti,ab)

**AND (**'risk stratification':ti,ab OR stratify:ti,ab OR 'risk assessment'/de OR 'risk management'/de OR 'severity of illness index'/de OR 'risk factor'/de OR 'risk factor\*' OR 'low risk\*':ti,ab OR 'low risk':ti,ab OR 'triage'/exp OR 'risk scor\*':ti,ab OR 'scoring system\*':ti,ab OR bleed:ti,ab OR oakland:ti,ab OR 'charlson comorbidity index':ti,ab OR 'glasgow blatchford':ti,ab OR noblads:ti,ab OR rockall:ti,ab OR sha2pe:ti,ab OR strate:ti,ab) OR (risk\*:ti,ab AND (factor\*:ti,ab OR 'scoring system\*':ti,ab OR stratification:ti,ab OR stratify:ti,ab OR assess\*:ti,ab OR 'decision making':ti,ab OR 'prediction tool\*':ti,ab OR severity:ti,ab OR 'clinical tool\*':ti,ab OR algorithm\*:ti,ab OR 'patient presentation':ti,ab OR validation:ti,ab OR evaluation:ti,ab OR management:ti,ab OR classification\*:ti,ab))

**AND** ('hospital discharge'/de OR 'patient discharge':ti,ab OR 'hospital readmission'/de OR 'patient readmission':ti,ab OR 'hospitalization'/de OR 'hospital readmission':ti,ab OR 'inpatient discharge\*':ti,ab OR 'outpatient discharge\*':ti,ab OR 'outpatient management' OR 'discharge times':ti,ab OR 'early discharge':ti,ab OR 'early patient discharge':ti,ab OR 'early hospital discharge':ti,ab OR 'post discharge\*':ti,ab OR 'safe discharge':ti,ab OR 'home discharge':ti,ab OR 'emergency department':ti,ab OR 'emergency room':ti,ab OR er:ti,ab OR 'emergency service\*':ti,ab OR 'hospital emergency service'/de OR 'outpatient department'/de OR 'outpatient'/de OR outpatient\*:ti,ab OR 'out patient\*':ti,ab OR 'urgent care':ti,ab OR 'hospital-based intervention':ti,ab OR 'patient safety'/exp OR 'patient safety':ti,ab OR 'contraindication'/exp OR contraindication\*:ti,ab)

**NOT (('animal'/exp OR 'nonhuman'/exp) NOT 'human'/exp) AND [english]/lim AND [embase]/lim AND [31-12-2013]/sd NOT [1-1-2022]/sd** AND ('Article'/it OR 'Article in Press'/it OR 'Review'/it)

**Scopus Search : 60 results**

**Filters:** Exclude Medline; 2013-2021; English; Human

**Last run:** Dec 8, 2021

**Copy/paste in advanced search:**

((TITLE-ABS((("Large Intestine" OR "Lower Gastrointestinal Tract" OR "lower gastrointestinal" OR "lower gastro-intestinal" OR "lower intestinal" OR "lower intestine" OR lower-GI OR "lower GI" OR anal OR anus OR rectal OR rectum OR colon OR colonic OR colorectal OR cecum OR caecum OR diverticula\* OR jejunum OR cloaca OR gut OR ileum OR bowel OR mesenteric) AND (LIB OR LGIB OR "Gastrointestinal Hemorrhage" OR gastrointestinal-hemorrhag\* OR gastrointestinal-haemorrhag\* OR gastrointestinal-bleed\* OR bleed\* OR rebleed\* OR re-bleed\* OR blood-loss\* OR "blood loss" OR hemorrhag\* OR haemorrhag\*)) OR ((Hematochezia OR Haematochezia OR Diverticular-bleed\* OR Diverticular-hemorrhag\* OR Diverticular-haemorrhag\* OR Melena OR melaena OR proctorrhagi\* OR rectocolic\* OR rectorrhagi\* OR LGIB OR LIB)))) AND ((TITLE-ABS(("Risk Stratification" OR stratify OR "Risk Assessment" OR "Risk Management" OR "Severity of Illness Index" OR "Risk Factors" OR risk-factor\* OR "low risk" OR low-risk OR Triage OR risk-scor\* OR scoring-system\* OR BLEED OR Oakland OR "Charlson Comorbidity Index" OR "Glasgow blatchford" OR NOBLADS OR Rockall OR SHA2PE OR STRATE))) OR (TITLE-ABS((risk\* AND (factor\* OR prediction-tool\* OR scoring-system\* OR stratification OR assess\* OR decision-making OR prediction-tool\* OR severity OR clinical-tool\* OR algorithm\* OR "patient presentation" OR validation OR evaluation OR management OR classification\*)))))) AND (TITLE-ABS(("patient discharge" OR "patient readmission" OR hospitalization OR "hospital readmission" OR inpatient-discharge\* OR outpatient-discharge\* OR "outpatient management" OR "discharge times" OR "early discharge" OR "early patient discharge" OR "early hospital discharge" OR post-discharge\* OR "safe discharge" OR "home discharge" OR "emergency department" OR "Emergency Room" OR ER OR "emergency service\*" OR outpatient\* OR out-patient\* OR "urgent care" OR "hospital-based intervention" OR "patient safety" OR contraindication\*))) AND NOT INDEX(medline) AND ( LIMIT-TO ( PUBYEAR,2021) OR LIMIT-TO ( PUBYEAR,2020) OR LIMIT-TO ( PUBYEAR,2019) OR LIMIT-TO ( PUBYEAR,2018) OR LIMIT-TO ( PUBYEAR,2017) OR LIMIT-TO ( PUBYEAR,2016) OR LIMIT-TO ( PUBYEAR,2015) OR LIMIT-TO ( PUBYEAR,2014) OR LIMIT-TO ( PUBYEAR,2013) ) AND ( LIMIT-TO ( LANGUAGE,"English" ) ) AND ( LIMIT-TO ( EXACTKEYWORD,"Human" ) OR LIMIT-TO ( EXACTKEYWORD,"Humans" ) )

**Cochrane Search: 323 results (307 trials; 16 reviews)**

**Filters:** 12/31/2013-12/31/2021

**Last search ran: Dec 9, 2021**

**Search Name: PICO#1\_Sengupta\_Cochrane323\_Dec2021**

**Date Run: 09/12/2021 17:34:32**

ID Search Hits

#1 MeSH descriptor: [Intestine, Large] explode all trees 3349

#2 MeSH descriptor: [Lower Gastrointestinal Tract] explode all trees 3828

#3 ("lower gastrointestinal" OR "lower gastro-intestinal" OR "lower intestinal" OR "lower intestine" OR lower-GI OR "lower GI" OR anal OR anus OR rectal OR rectum OR colon OR colonic OR colorectal OR cecum OR caecum OR diverticula\* OR jejunum OR cloaca OR gut OR ileum OR bowel OR mesenteric):ti,ab,kw 68230

#4 #1 OR #2 OR #3 68291

#5 MeSH descriptor: [Gastrointestinal Hemorrhage] explode all trees 2022

#6 (LIB OR LGIB OR gastrointestinal-hemorrhag\* OR gastrointestinal-haemorrhag\* OR "gastrointestinal-bleed\*" OR bleed\* OR rebleed\* OR re-bleed\* OR blood-loss\* OR "blood loss" OR hemorrhag\* OR haemorrhag\*):ti,ab,kw 77152

#7 #5 OR #6 77169

#8 (Hematochezia OR Haematochezia OR "Diverticular-bleed\*" OR "Diverticular-hemorrhag\*" OR "Diverticular-haemorrhag\*" OR Melena OR melaena OR proctorrhagi\* OR rectocolic\* OR rectorrhagi\* OR LGIB OR LIB):ti,ab,kw 804

#9 #7 OR #8 77298

#10 #4 AND #9 5595

#11 MeSH descriptor: [Risk] explode all trees 38959

#12 MeSH descriptor: [Severity of Illness Index] this term only 20131

#13 #11 OR #12 56302

#14 (("Risk Stratification" OR stratification OR stratify OR risk-factor\* OR low risk\* OR "low-risk" OR risk-scor\* OR scoring-system\* OR BLEED OR Oakland OR "Charlson Comorbidity Index" OR "Glasgow blatchford" OR NOBLADS OR Rockall OR SHAP(2)PE OR SHA2PE OR STRATE)):ti,ab,kw 143862

#15 #13 OR #14 169872

#16 ((risk\* AND (factor\* OR prediction-tool\* OR scoring-system\* OR assess\* OR decision-making OR prediction-tool\* OR severity OR clinical-tool\* OR algorithm\* OR "patient presentation" OR validation OR evaluation OR management OR classification\*))):ti,ab,kw 198943

#17 #15 OR #16 252778

#18 MeSH descriptor: [Patient Discharge] this term only 1701

#19 MeSH descriptor: [Emergency Service, Hospital] this term only 2490

#20 MeSH descriptor: [Patient Safety] this term only 701

#21 MeSH descriptor: [Contraindications] this term only 256

#22 (("patient discharge" OR "patient readmission" OR "hospitalization" OR "hospital readmission" OR inpatient-discharge\* OR outpatient-discharge\* OR "outpatient management" OR "discharge times" OR "early discharge" OR "early patient discharge" OR "early hospital discharge" OR post-discharge\* OR "safe discharge" OR "home discharge" OR "emergency department" OR "Emergency Room" OR "emergency service\*" OR outpatient\* OR out-patient\* OR "urgent care" OR "hospital-based intervention" OR "patient safety" OR contraindication\*)):ti,ab,kw 115602

#23 #18 OR #19 OR #20 OR #21 OR #22 115602

#24 #10 AND #17 AND #23 323

**Google Scholar (First 100 results only, sorted by relevancy)**

**Last search ran: Dec 9, 2021**

**Filters:** 2013-2021; English

(LGIB OR LIB OR "Lower gastrointestinal bleeding" OR "Lower Gastrointestinal Hemorrhage") AND "Risk Stratification" AND ("Patient Discharge" OR "Patient Safety" OR "Safe Discharge" OR "Emergency Department" OR Hospitalization)

|  |  |
| --- | --- |
| PICO 2 | Restrictive or liberal transfusion strategy for patients with GIB (including lower GI bleeding)  P: Patients with LGIB  I: Restrictive transfusion (e.g., hemoglobin 7-8g /dL)  C: Liberal transfusion (e.g., hemoglobin 9,10 g/dL)  O: **CRITICAL:** Further bleeding, mortality  **IMPORTANT:** Transfusion-related adverse events, cardiovascular events |

**Databases: PubMed, Embase, Scopus, Cochrane, & Google Scholar (first 100 results)**

Filters:English, Humans, (no country limit)

Date filter: Dec 1, 2013 – Oct 31, 2021

**Total Articles Screened: 1268**

**Irrelevant on first pass: 1245**

**Excluded on full text review: 19**

**Final studies extracted: 4**

**Medline via PubMed Search: 297 results**

**Filters: English, Humans, (no country limit)**

**Date filter: Dec 1, 2013 – Oct 31, 2021**

**Last run: Dec 13, 2021**

**GIB/LGIB Concept:**

((("Gastrointestinal Tract"[Mesh] OR "Intestines"[Mesh] OR "Intestinal Mucosa"[Mesh] OR "Intestine, Large"[Mesh] OR "Intestine, Small"[Mesh] OR "Lower Gastrointestinal Tract"[Mesh] OR "Ileum"[Mesh] OR "Jejunum"[Mesh] OR "Upper Gastrointestinal Tract"[Mesh] OR "Duodenum"[Mesh] OR "Esophagus"[Mesh:NoExp] OR "Stomach"[Mesh] OR digestive-tract\*[tiab] OR GI-tract\*[tiab] OR gastro\*[tiab] OR gastric\*[tiab] OR gastrointestin\*[tiab] OR gastro-intestin\*[tiab] OR GI[tiab] OR stomach[tiab] OR anal[tiab] OR anus[tiab] OR rectal[tiab] OR rectum[tiab] OR colon[tiab] OR colonic[tiab] OR colorectal[tiab] OR cecum[tiab] OR caecum[tiab] OR diverticula\*[tiab] OR jejunum[tiab] OR cloaca[tiab] OR gut[tiab] OR ileum[tiab] OR bowel[tiab] OR mesenteric[tiab] OR pyloric[tiab] OR pylorus[tiab] OR "cardia"[tiab]) AND (LIB[tiab] OR LGIB[tiab] OR "Gastrointestinal Hemorrhage"[Mesh] OR GIB[tiab] OR UIB[tiab] OR UGIB[tiab] OR bleed\*[tiab] OR rebleed\*[tiab] OR re-bleed\*[tiab] OR blood-loss\*[tiab] OR "blood loss"[tiab] OR hemorrhag\*[tiab] OR haemorrhag\*[tiab])) OR (GIB[tiab] OR LGIB[tiab] OR LIB[tiab] OR UGIB[tiab] OR UIB[tiab]))

AND

**Restrictive or liberal transfusion concept:**

"Blood Transfusion"[Mesh] OR "Transfusion Medicine"[Mesh] OR "Transfusion Reaction"[Mesh] OR "Platelet Transfusion"[Mesh] OR "blood-transfus\*"[tiab] OR TRIGGER[tiab] OR (blood[tiab] OR plasma[tiab] OR "red blood cell"[tiab] OR RBC OR transfus\*[tiab]) AND (liberal-transfus\*[tiab] OR liberal-RBC[tiab] OR restrictive-transfus\*[tiab] OR restrictive-RBC[tiab] OR "red blood cell"[tiab] OR "red cell"[tiab] OR restrictive[tiab] OR liberal[tiab])

Date:

(2013/12/01[PDAT]:2021/12/31[PDAT]) OR (2013/12/01[EPDAT]:2021/12/31[EPDAT])

Human:

NOT (animals[mesh] NOT humans[mesh])

English:

AND (english[Filter])

**Embase Search: 573 results**

**Filters: Exclude Medline; English; Humans; With Abstracts; Articles, Articles in Press, or Reviews**

**Date filter: Dec 1, 2013 – Oct 31, 2021**

**Last run: Dec 13, 2021**

((('gastrointestinal tract'/exp OR 'intestine'/exp OR 'intestine mucosa'/exp OR 'large intestine'/exp OR 'small intestine'/exp OR 'lower gastrointestinal tract'/exp OR 'ileum'/exp OR 'jejunum'/exp OR 'upper gastrointestinal tract'/exp OR 'duodenum'/exp OR 'esophagus'/exp OR 'stomach'/exp OR digestive-tract\*:ti,ab OR GI-tract\*:ti,ab OR gastro\*:ti,ab OR gastric\*:ti,ab OR gastrointestin\*:ti,ab OR gastro-intestin\*:ti,ab OR GI:ti,ab OR stomach:ti,ab OR anal:ti,ab OR anus:ti,ab OR rectal:ti,ab OR rectum:ti,ab OR colon:ti,ab OR colonic:ti,ab OR colorectal:ti,ab OR cecum:ti,ab OR caecum:ti,ab OR diverticula\*:ti,ab OR jejunum:ti,ab OR cloaca:ti,ab OR gut:ti,ab OR ileum:ti,ab OR bowel:ti,ab OR mesenteric:ti,ab OR pyloric:ti,ab OR pylorus:ti,ab OR cardia:ti,ab) AND (LIB:ti,ab OR LGIB:ti,ab OR 'gastrointestinal hemorrhage'/exp OR GIB:ti,ab OR UIB:ti,ab OR UGIB:ti,ab OR bleed\*:ti,ab OR rebleed\*:ti,ab OR re-bleed\*:ti,ab OR blood-loss\*:ti,ab OR 'blood loss':ti,ab OR hemorrhag\*:ti,ab OR haemorrhag\*:ti,ab)) OR (GIB:ti,ab OR LGIB:ti,ab OR LIB:ti,ab OR UGIB:ti,ab OR UIB:ti,ab)) AND ('blood transfusion'/exp OR 'transfusion medicine'/exp OR 'blood transfusion reaction'/exp OR 'thrombocyte transfusion'/exp OR blood-transfus\*:ti,ab OR TRIGGER:ti,ab) OR (blood:ti,ab OR plasma:ti,ab OR 'red blood cell':ti,ab OR RBC OR transfus\*:ti,ab OR platelet:ti,ab) AND (liberal-transfus\*:ti,ab OR liberal-RBC:ti,ab OR restrictive-transfus\*:ti,ab OR restrictive-RBC:ti,ab OR 'red blood cell':ti,ab OR 'red cell':ti,ab OR restrictive:ti,ab OR liberal:ti,ab) AND [embase]/lim AND [english]/lim AND [humans]/lim AND [abstracts]/lim AND [31-12-0292]/sd NOT [1-1-2022]/sd­­ AND ('article'/it OR 'article in press'/it OR 'review'/it)

**Scopus Search: 75 results**

**Filters: Exclude Medline; English; Humans; Article or Review**

**Date filter: 2013 – 2021**

**Last run: Dec 13, 2021**

TITLE-ABS(((("Gastrointestinal Tract" OR Intestines OR "Intestinal Mucosa" OR "Large intestine" OR "Small intestine" OR "Lower Gastrointestinal Tract" OR Ileum OR Jejunum OR "Upper Gastrointestinal Tract" OR Duodenum OR Esophagus OR Stomach OR digestive-tract\* OR GI-tract\* OR gastro\* OR gastric\* OR gastrointestin\* OR gastro-intestin\* OR GI OR stomach OR anal OR anus OR rectal OR rectum OR colon OR colonic OR colorectal OR cecum OR caecum OR diverticula\* OR jejunum OR cloaca OR gut OR ileum OR bowel OR mesenteric OR pyloric OR pylorus OR cardia) AND (LIB OR LGIB OR "Gastrointestinal Hemorrhage" OR GIB OR UIB OR UGIB OR bleed\* OR rebleed\* OR re-bleed\* OR blood-loss\* OR "blood loss" OR hemorrhag\* OR haemorrhag\*)) OR (GIB OR LGIB OR LIB OR UGIB OR UIB)) AND ("Blood Transfusion" OR "Transfusion Medicine" OR "Transfusion Reaction" OR "Platelet Transfusion" OR blood-transfus\* OR TRIGGER) OR (blood OR plasma OR "red blood cell" OR RBC OR transfus\*) AND (liberal-transfus\* OR liberal-RBC OR restrictive-transfus\* OR restrictive-RBC OR "red blood cell" OR "red cell" OR restrictive OR liberal)) AND NOT INDEX(Medline) AND ( LIMIT-TO ( EXACTKEYWORD,"Human" ) ) AND ( LIMIT-TO ( LANGUAGE,"English" ) ) AND ( LIMIT-TO ( PUBYEAR,2021) OR LIMIT-TO ( PUBYEAR,2020) OR LIMIT-TO ( PUBYEAR,2019) OR LIMIT-TO ( PUBYEAR,2018) OR LIMIT-TO ( PUBYEAR,2017) OR LIMIT-TO ( PUBYEAR,2016) OR LIMIT-TO ( PUBYEAR,2015) OR LIMIT-TO ( PUBYEAR,2014) OR LIMIT-TO ( PUBYEAR,2013) ) AND ( LIMIT-TO ( DOCTYPE,"ar" ) OR LIMIT-TO ( DOCTYPE,"re" ) )

Cochrane Search: 524 results

Filters: Publication Year from 2013 to 2021, with Cochrane Library publication date Between Dec 2013 and Dec 2021, in Trials

ID Search Hits

#1 MeSH descriptor: [Gastrointestinal Tract] explode all trees 12235

#2 MeSH descriptor: [Intestines] explode all trees 6577

#3 (digestive-tract OR GI-tract OR gastro\* OR gastric\* OR gastrointestin\* OR gastro-intestin\* OR GI OR stomach OR anal OR anus OR rectal OR rectum OR colon OR colonic OR colorectal OR cecum OR caecum OR diverticula\* OR jejunum OR cloaca OR gut OR ileum OR bowel OR mesenteric OR pyloric OR pylorus OR cardia):ti,ab,kw 142345

#4 #1 OR #2 OR #3 145239

#5 MeSH descriptor: [Gastrointestinal Hemorrhage] explode all trees 2022

#6 (LIB OR LGIB OR GIB OR UIB OR UGIB OR bleed\* OR rebleed\* OR re-bleed\* OR blood-loss\* OR "blood loss" OR hemorrhag\* OR haemorrhag\*):ti,ab,kw 77174

#7 GIB OR LGIB OR LIB OR UGIB OR UIB 691

#8 #5 OR #6 OR #7 77392

#9 #4 AND #8 14813

#10 MeSH descriptor: [Blood Transfusion] explode all trees 3702

#11 MeSH descriptor: [Transfusion Medicine] explode all trees 1

#12 MeSH descriptor: [Transfusion Reaction] explode all trees 252

#13 MeSH descriptor: [Platelet Transfusion] explode all trees 333

#14 (blood-transfus\* OR TRIGGER):ti,ab,kw 14996

#15 #10 OR #11 OR #12 OR #13 OR #14 16039

#16 ((blood OR plasma OR "red blood cell" OR RBC OR transfus\*) AND (liberal-transfus\* OR liberal-RBC OR restrictive-transfus\* OR restrictive-RBC OR "red blood cell" OR "red cell" OR restrictive OR liberal)):ti,ab,kw 7171

#17 #15 OR #16 21900

#18 #9 AND #17 with Publication Year from 2013 to 2021, with Cochrane Library publication date Between Dec 2013 and Dec 2021, in Trials 524

**Google Scholar Search: First 100 results**

**Filters: English; 2013-2021; Sorted by relevancy**

("gastrointestinal bleeding" OR "Gastrointestinal Hemorrhage") AND "liberal transfusion" AND "restrictive transfusion"

|  |  |
| --- | --- |
| PICO 3 | Reversal of patients who present with LGIB on vitamin K antagonists (VKA)  P: Patients with GIB (including LGIB) on VKA  I: Administration of reversal agents (including prothrombin complex concentrate, Vitamin K, Fresh frozen plasma)  C: No reversal agents (+comparison between agents)  O: Further bleeding, mortality, endoscopic hemostasis, time to endoscopy, reduction in INR |

**Databases: PubMed, Embase, Scopus, Cochrane, & Google Scholar (first 100 results)**

**Filters: English, Humans, (no country limit)**

**Date filter: Dec 1, 2013 – Dec 31, 2021**

**Total Articles Screened: 2295**

**Irrelevant on first pass: 2250**

**Excluded on full text review: 41**

**Final studies extracted: 4**

**Medline via PubMed Search: 1858 results**

**Filters: English; Human; Date filter**

**LGIB Concept (*expanded to include just hemorrhage/bleeding to capture provided references*):**

(LIB[tiab] OR LGIB[tiab] OR "Hemorrhage/drug therapy"[Mesh] OR "Gastrointestinal Hemorrhage"[Mesh] OR "gastrointestinal bleeding"[tiab] OR gastrointestinal-bleed\*[tiab] OR bleed\*[tiab] OR rebleed\*[tiab] OR re-bleed\*[tiab] OR blood-loss\*[tiab] OR "blood loss"[tiab] OR hemorrhag\*[tiab] OR haemorrhag\*[tiab] OR "Blood Loss, Surgical/prevention and control"[Mesh]))

AND

**VKA concept:**

("Vitamin K/antagonists and inhibitors"[Mesh] OR Vitamin K inhibitor\*[tiab] OR Vitamin K antagonist\*[tiab] OR Antivitamin K[tiab] OR VKA[tiab] OR Warfarin[tiab] OR "Warfarin"[Mesh] OR "Heparin"[Mesh] OR heparin[tiab] OR "acarboxyprothrombin"[Supplementary Concept] OR "Coumarins"[Mesh] OR Coumarin\*[tiab] OR Anticoagulant\*[tiab] OR oral-anticoagulant\*[tiab])

AND

**Reversal agents concept:**

("Prothrombin"[Mesh] OR "Blood Coagulation Factors/therapeutic use"[Mesh] OR anticoagulant reversal[tiab] OR anticoagulation reversal[tiab] OR reversal agent\*[tiab] OR Prothrombin complex concentrate\*[tiab] OR Complex concentrate\*[tiab] OR Coagulation factor concentrate\*[tiab] or PCC[tiab] OR kcentra[tiab] OR ppsb[tiab] OR "Plasma"[Mesh] OR frozen plasma\*[tiab] OR FFP[tiab] OR plasma\*[tiab])

Date:

(2013/12/01[PDAT]:2021/12/31[PDAT]) OR (2013/12/01[EPDAT]:2021/12/31[EPDAT])

Human:

NOT (animals[mesh] NOT humans[mesh])

English:

AND (english[Filter])

**Embase Search: 349 results**

**Filters: Exclude Medline; English; Human; has Abstract; article, article in press or review**

('gastrointestinal hemorrhage'/exp OR LIB:ti,ab OR LGIB:ti,ab OR GIB:ti,ab OR gastrointestinal-bleed\*:ti,ab) AND ('vitamin K group'/exp OR 'Vitamin K inhibitor':ti,ab OR 'Vitamin K antagonist':ti,ab OR 'antivitamin K'/exp OR 'antivitamin K':ti,ab OR VKA:ti,ab OR Warfarin:ti,ab OR 'warfarin'/exp OR 'heparin'/exp OR heparin:ti,ab OR acarboxyprothrombin:tn OR 'coumarin derivative'/exp OR Coumarin\*:ti,ab OR 'anticoagulant agent'/exp OR anticoagulant\*:ti,ab OR oral-anticoagulant\*:ti,ab) AND ('prothrombin'/exp OR prothrombin:ti,ab OR 'blood clotting factor'/exp OR 'anticoagulant reversal':ti,ab OR 'anticoagulation reversal':ti,ab OR 'reversal agent':ti,ab OR 'Prothrombin complex concentrate':ti,ab OR 'Complex concentrate':ti,ab OR 'Coagulation factor concentrate':ti,ab OR PCC:ti,ab OR kcentra:ti,ab OR ppsb:ti,ab OR 'plasma'/exp OR 'frozen plasma':ti,ab OR FFP:ti,ab OR plasma\*:ti,ab) AND [embase]/lim NOT ([embase]/lim AND [medline]/lim) AND [english]/lim AND ('article'/it OR 'article in press'/it OR 'review'/it) AND [humans]/lim AND [abstracts]/lim

**Scopus Search: 71 results**

**Filters: Exclude Medline; English; Human; article or review; 2013-2021**

TITLE-ABS({gastrointestinal hemorrhage} OR LIB OR LGIB OR GIB OR gastrointestinal-bleed\*) AND ({Vitamin K inhibitor} OR {Vitamin K antagonist} OR { antivitamin K} OR VKA OR Warfarin OR heparin OR acarboxyprothrombin OR Coumarin\* OR anticoagulant\* OR oral-anticoagulant\*) AND (prothrombin OR {anticoagulant reversal} OR {anticoagulation reversal} OR {reversal agent} OR {Prothrombin complex concentrate} OR {Complex concentrate} OR {Coagulation factor concentrate} OR PCC OR kcentra OR ppsb OR {frozen plasma} OR FFP OR plasma\*) AND NOT INDEX(Medline) AND ( LIMIT-TO ( PUBYEAR,2021) OR LIMIT-TO ( PUBYEAR,2020) OR LIMIT-TO ( PUBYEAR,2019) OR LIMIT-TO ( PUBYEAR,2018) OR LIMIT-TO ( PUBYEAR,2017) OR LIMIT-TO ( PUBYEAR,2016) OR LIMIT-TO ( PUBYEAR,2015) OR LIMIT-TO ( PUBYEAR,2014) OR LIMIT-TO ( PUBYEAR,2013) ) AND ( LIMIT-TO ( DOCTYPE,"ar" ) OR LIMIT-TO ( DOCTYPE,"re" ) ) AND ( LIMIT-TO ( EXACTKEYWORD,"Human" ) ) AND ( LIMIT-TO ( LANGUAGE,"English" ) )

**Cochrane Search: 24 results**

**Filters 2013-2021**

Search Name: PICO#3a\_Sengupta29\_Dec2021

Date Run: 13/12/2021 19:02:49

ID Search Hits

#1 MeSH descriptor: [Gastrointestinal Hemorrhage] explode all trees 2022

#2 (LIB OR LGIB OR GIB OR gastrointestinal-bleed\*):ti,ab,kw 2502

#3 #1 OR #2 4016

#4 MeSH descriptor: [Warfarin] explode all trees 1764

#5 MeSH descriptor: [Heparin] explode all trees 4937

#6 MeSH descriptor: [Coumarins] explode all trees 2346

#7 MeSH descriptor: [Coumarins] explode all trees 2346

#8 MeSH descriptor: [Anticoagulants] explode all trees 4876

#9 #4 OR #5 OR #6 OR #7 OR #8 8699

#10 ("Vitamin K inhibitor" OR "Vitamin K antagonist" OR "antivitamin K" OR VKA OR Warfarin OR heparin OR acarboxyprothrombin OR Coumarin\* OR anticoagulant\*):ti,ab,kw 22580

#11 #9 OR #10 23256

#12 (prothrombin OR "blood clotting factor" OR "anticoagulant reversal" OR "anticoagulation reversal" OR "reversal agent" OR "Prothrombin complex concentrate" OR "Coagulation factor concentrate" OR PCC OR kcentra OR ppsb OR plasma OR "frozen plasma" OR FFP OR plasma\*):ti,ab,kw 110068

#13 MeSH descriptor: [Prothrombin] explode all trees 389

#14 MeSH descriptor: [Plasma] explode all trees 1186

#15 #12 OR #13 OR #14 110193

#16 #3 AND #11 AND #15 29

**Google Scholar Search: First 100 results, sorted by relevancy**

**Filters: English; 2013-2021**

("gastrointestinal hemorrhage" OR "gastrointestinal bleeding") AND ("Vitamin K inhibitor" OR "Vitamin K antagonist" OR "antivitamin K" OR VKA OR Warfarin OR heparin OR acarboxyprothrombin OR Coumarin\* OR anticoagulant\* OR oral-anticoagulant\*) AND (prothrombin OR "anticoagulant reversal" OR "anticoagulation reversal" OR "reversal agent" OR "Prothrombin complex concentrate" OR "fresh frozen plasma" OR "Vitamin K")

|  |  |
| --- | --- |
| PICO 4 | Reversal of patients who present with LGIB on DOAC  P: Patients with severe LGIB on DOAC (dabigatran, apixaban, edoxaban, rivaroxaban)  I: Administration of reversal agent (PCC, idaracizumab, andexanet alfa)  C: No reversal agents  O: Further bleeding, mortality, endoscopic hemostasis |

**Databases: PubMed, Embase, Scopus, Cochrane, & Google Scholar (first 100 results)**

**Filters: English, Humans, (no country limit); Date filter: Dec 1, 2013 – Dec 31, 2021**

**Total Articles Screened: 1596**

**Irrelevant on first pass: 1553**

**Excluded on full text review: 35**

**Final studies extracted: 9**

**Medline via PubMed Search: 1132 results**

**Filters: 12/01/2013 – 12/31/2021; English; Human**

**GIB Concept:**

(LIB[tiab] OR LGIB[tiab] OR "Hemorrhage/drug therapy"[Mesh] OR "Gastrointestinal Hemorrhage"[Mesh] OR "gastrointestinal bleeding"[tiab] OR gastrointestinal-bleed\*[tiab] OR bleeding[ti])

AND

**DOAC Concept:**

(DOAC (dabigatran, apixaban, edoxaban, rivaroxaban)

("Anticoagulants"[Mesh] OR oral-anticoagula\*[tiab] OR DOAC[tiab] OR DOACs[tiab] OR "Factor Xa Inhibitors"[Mesh] OR "Factor Xa Inhibitor"[tiab] OR "apixaban"[Supplementary Concept] OR apixaban[tiab] OR Eliquis[tiab] OR "apixaban"[Supplementary Concept] OR "Dabigatran"[Mesh] OR Dabigatran[tiab] OR Pradaxa[tiab] OR "edoxaban"[Supplementary Concept] OR edoxaban[tiab] OR "Rivaroxaban"[Mesh] OR Rivaroxaban[tiab] OR Xarelto[tiab] OR "Antithrombins"[Mesh] OR thrombin-inhibitor\*[tiab] OR anti-thrombin\*[tiab] OR antithrombin\*[tiab])

AND

**Reversal Agent Concept:**

(PCC, idaracizumab, andexanet alfa)

("Prothrombin"[Mesh] OR "Blood Coagulation Factors/therapeutic use"[Mesh] OR "anticoagulant reversal"[tiab] OR "anticoagulation reversal"[tiab] OR "reversal agent"[tiab] OR "Prothrombin complex concentrate"[tiab] OR "Complex concentrate"[tiab] OR "Coagulation factor concentrate"[tiab] OR PCC[tiab] OR kcentra[tiab] OR ppsb[tiab] OR "Plasma"[Mesh] OR "frozen plasma"[tiab] OR FFP[tiab] OR plasma\*[tiab] OR "idarucizumab"[Supplementary Concept] OR "Vitamin K"[Mesh] OR "Vitamin K"[tiab] OR idarucizumab[tiab] OR "idarucizumab"[Supplementary Concept] OR andexanet-alfa[tiab] OR PRT4445[tiab] OR r-antidote[tiab] OR Praxbind[tiab] OR Andexxa[tiab])

AND ((2013/12/01[PDAT]:2021/12/31[PDAT]) OR (2013/12/01[EPDAT]:2021/12/31[EPDAT]))

AND (english[Filter])

NOT (animals[mesh] NOT humans[mesh])

**Embase Search: 324 results**

**Filters: Exclude Medline; English; 2013-2021; Human; Article or Reviews; Have Abstracts**

('gastrointestinal hemorrhage'/exp OR 'LIB':ti,ab OR 'LGIB':ti,ab OR 'GIB':ti,ab OR 'gastrointestinal-hemorrhag\*':ti,ab OR 'gastrointestinal-bleed\*':ti,ab) AND ('anticoagulant agent'/exp OR 'Anticoagulant\*':ti,ab OR 'oral-anticoagula\*':ti,ab OR 'DOAC':ti,ab OR 'DOACs':ti,ab OR 'blood clotting factor 10a inhibitor'/exp OR 'Factor Xa Inhibitors':ti,ab OR 'apixaban'/exp OR 'dabigatran'/exp OR 'dabigatran etexilate'/exp OR 'edoxaban'/exp OR 'rivaroxaban'/exp OR 'thrombin inhibitor'/exp OR 'antithrombin'/exp OR 'apixaban':ti,ab OR 'Eliquis':ti,ab OR 'Dabigatran':ti,ab OR 'Pradaxa':ti,ab OR 'edoxaban':ti,ab OR 'Rivaroxaban':ti,ab OR 'Xarelto':ti,ab OR 'thrombin-inhibitor\*':ti,ab OR 'anti-thrombin\*':ti,ab OR 'antithrombin\*':ti,ab) AND ('prothrombin'/exp OR 'blood clotting factor'/exp OR 'anticoagulation reversal'/exp OR 'Prothrombin\*':ti,ab OR 'Blood Coagulation Factors':ti,ab OR 'anticoagulant reversal':ti,ab OR 'anticoagulation reversal':ti,ab OR 'reversal agent':ti,ab OR 'prothrombin complex'/exp OR 'Prothrombin complex concentrate':ti,ab OR 'Complex concentrate':ti,ab OR 'Coagulation factor concentrate':ti,ab OR 'PCC':ti,ab OR 'kcentra':ti,ab OR 'ppsb':ti,ab OR 'fresh frozen plasma'/exp OR 'frozen plasma':ti,ab OR 'FFP':ti,ab OR 'plasma'/exp OR 'plasma\*':ti,ab OR 'idarucizumab'/exp OR 'idarucizumab':ti,ab OR 'vitamin K group'/exp OR 'Vitamin K':ti,ab OR 'andexanet alfa'/exp OR 'andexanet alfa':ti,ab OR 'PRT4445':ti,ab OR 'r-antidote':ti,ab OR 'Praxbind':ti,ab OR 'andexxa'/exp OR 'Andexxa':ti,ab) AND [embase]/lim NOT ([embase]/lim AND [medline]/lim) AND 'human'/de AND ('article'/it OR 'article in press'/it OR 'review'/it) AND [31-12-2013]/sd AND [english]/lim AND [abstracts]/lim

**Scopus Search: 106 results**

**Filters: Exclude Medline; English; 2013-2021; Human; Article or Reviews**

TITLE-ABS(LIB OR LGIB OR GIB OR Gastrointestinal-hemorrhag\* OR gastrointestinal-bleed\*) AND (Anticoagulant\* OR oral-anticoagula\* OR DOAC OR DOACs OR {Factor Xa Inhibitors} OR apixaban OR Eliquis OR Dabigatran OR Pradaxa OR edoxaban OR Rivaroxaban OR Xarelto OR thrombin-inhibitor\* OR anti-thrombin\* OR antithrombin\*) AND (Prothrombin\* OR {Blood Coagulation Factors} OR {anticoagulant reversal} OR {anticoagulation reversal} OR {reversal agent} OR {Prothrombin complex concentrate} OR {Complex concentrate} OR {Coagulation factor concentrate} OR PCC OR kcentra OR ppsb OR {frozen plasma} OR FFP OR plasma\* OR idarucizumab OR {Vitamin K} OR andexanet-alfa OR PRT4445 OR r-antidote OR Praxbind OR Andexxa) AND NOT INDEX(Medline) AND ( LIMIT-TO ( PUBYEAR,2021) OR LIMIT-TO ( PUBYEAR,2020) OR LIMIT-TO ( PUBYEAR,2019) OR LIMIT-TO ( PUBYEAR,2018) OR LIMIT-TO ( PUBYEAR,2017) OR LIMIT-TO ( PUBYEAR,2016) OR LIMIT-TO ( PUBYEAR,2015) OR LIMIT-TO ( PUBYEAR,2014) OR LIMIT-TO ( PUBYEAR,2013) ) AND ( LIMIT-TO ( DOCTYPE,"ar" ) OR LIMIT-TO ( DOCTYPE,"re" ) ) AND ( LIMIT-TO ( EXACTKEYWORD,"Human" ) ) AND ( LIMIT-TO ( LANGUAGE,"English" ) )

**Cochrane Search: results**

(LIB OR LGIB OR GIB OR "Gastrointestinal hemorrhage" OR "gastrointestinal-bleeding") AND (Anticoagulants OR oral-anticoagulants OR DOAC OR DOACs OR "Factor Xa Inhibitors" OR apixaban OR Eliquis OR Dabigatran OR Pradaxa OR edoxaban OR Rivaroxaban OR Xarelto OR thrombin-inhibitor\* OR anti-thrombin\* OR antithrombin\*) AND (Prothrombin\* OR "Blood Coagulation Factors" OR "anticoagulant reversal" OR "anticoagulation reversal" OR "reversal agent" OR "Prothrombin complex concentrate" OR "Complex concentrate" OR "Coagulation factor concentrate" OR PCC OR kcentra OR ppsb OR "frozen plasma" OR FFP OR plasma\* OR idarucizumab OR "Vitamin K" OR andexanet-alfa OR PRT4445 OR r-antidote OR Praxbind OR Andexxa)

**Google Scholar: First 100 results; sorted by relevancy**

**Filters: English; 2013-2021**

(LIB OR LGIB OR GIB OR Gastrointestinal-hemorrhag\* OR gastrointestinal-bleed\*) AND (Anticoagulant\* OR oral-anticoagula\* OR DOAC OR DOACs OR "Factor Xa Inhibitors" OR apixaban OR Eliquis OR Dabigatran OR Pradaxa OR edoxaban OR Rivaroxaban OR Xarelto OR thrombin-inhibitor\* OR anti-thrombin\* OR antithrombin\*) AND (Prothrombin\* OR "Blood Coagulation Factors" OR "anticoagulant reversal" OR "anticoagulation reversal" OR "reversal agent" OR "Prothrombin complex concentrate" OR "Complex concentrate" OR "Coagulation factor concentrate" OR PCC OR kcentra OR ppsb OR "frozen plasma" OR FFP OR plasma\* OR idarucizumab OR "Vitamin K" OR andexanet-alfa OR PRT4445 OR r-antidote OR Praxbind OR Andexxa)

|  |  |
| --- | --- |
| PICO 5 | Administration of antifibrinolytic agents in LGIB  P: Patients with severe LGIB  I: Administration of transexemic acid  C: No administration  O: Mortality, further bleeding |

**Databases: PubMed, Embase, Scopus, Cochrane, & Google Scholar (first 100 results)**

**Total Articles Screened: 214**

**Irrelevant on first pass: 205**

**Excluded on full text review: 5**

**Final studies extracted: 4**

**Filters:** English, Humans, (no country limit)

Date filter: Dec 1, 2013 – Dec 31, 2021

**Medline via PubMed Search: 64 results**

**Last run: Dec 20, 2021**

**LGIB Concept:**

(("Intestine, Large"[Mesh] OR "Lower Gastrointestinal Tract"[Mesh] OR "lower gastrointestinal"[tiab] OR "lower gastro-intestinal"[tiab] OR "lower intestinal"[tiab] OR "lower intestine"[tiab] OR lower-GI[tiab] OR "lower GI"[tiab] OR anal[tiab] OR anus[tiab] OR rectal[tiab] OR rectum[tiab] OR colon[tiab] OR colonic[tiab] OR colorectal[tiab] OR cecum[tiab] OR caecum[tiab] OR diverticula\*[tiab] OR jejunum[tiab] OR cloaca[tiab] OR gut[tiab] OR ileum[tiab] OR bowel[tiab] OR mesenteric[tiab]) AND (LIB[tiab] OR LGIB[tiab] OR "Gastrointestinal Hemorrhage"[Mesh:noexp] OR bleed\*[tiab] OR rebleed\*[tiab] OR re-bleed\*[tiab] OR blood-loss\*[tiab] OR "blood loss"[tiab] OR hemorrhag\*[tiab] OR haemorrhag\*[tiab])) OR ((Hematochezia[tiab] OR Haematochezia[tiab] OR "Diverticular bleed"[tiab] OR "Diverticular bleeding"[tiab] OR "Diverticular Hemorrhage"[tiab] OR "Diverticular Hemorrhages"[tiab] OR "Diverticular Haemorrhage"[tiab] OR Melena[tiab] OR melaena[tiab] OR proctorrhagi\*[tiab] OR rectocolic\*[tiab] OR rectorrhagi\*[tiab] OR LGIB[tiab] OR LIB[tiab]))

**Tranexemic acid Concept:**

(("tranexamic acid"[Mesh] OR ("tranexamic acid"[tiab] OR "TXA"[tiab])) OR "antifibrinolytic agents"[Pharmacological Action] OR antifibrinolytic[tiab])

Date:

(2013/12/01[PDAT]:2021/12/31[PDAT]) OR (2013/12/01[EPDAT]:2021/12/31[EPDAT])

Human:

NOT (animals[mesh] NOT humans[mesh])

English:

AND (english[Filter])

**Embase Search: 33 results**

**Filters:** Exclude Medine;English; Humans; (no country limit); Articles, Reviews

Date filter: Dec 1, 2013 – Dec 31, 2021

**Last run: Dec 20, 2021**

('large intestine'/exp OR 'lower gastrointestinal tract'/exp OR 'lower gastrointestinal':ti,ab OR 'lower gastro-intestinal':ti,ab OR 'lower intestinal':ti,ab OR 'lower intestine':ti,ab OR 'lower gi':ti,ab OR anal:ti,ab OR anus:ti,ab OR rectal:ti,ab OR rectum:ti,ab OR colon:ti,ab OR colonic:ti,ab OR colorectal:ti,ab OR cecum:ti,ab OR caecum:ti,ab OR diverticula\*:ti,ab OR jejunum:ti,ab OR cloaca:ti,ab OR gut:ti,ab OR ileum:ti,ab OR bowel:ti,ab OR mesenteric:ti,ab) AND (lib:ti,ab OR lgib:ti,ab OR 'gastrointestinal hemorrhage'/exp OR 'gastrointestinal hemorrhag\*':ti,ab OR 'gastrointestinal haemorrhag\*':ti,ab OR 'gastrointestinal bleed\*':ti,ab OR bleed\*:ti,ab OR rebleed\*:ti,ab OR 're bleed\*':ti,ab OR 'blood loss\*':ti,ab OR 'blood loss':ti,ab OR hemorrhag\*:ti,ab OR haemorrhag\*:ti,ab) OR (hematochezia:ti,ab OR haematochezia:ti,ab OR 'diverticular bleed\*':ti,ab OR 'diverticular hemorrhag\*':ti,ab OR 'diverticular haemorrhag\*':ti,ab OR melena:ti,ab OR melaena:ti,ab OR proctorrhagi\*:ti,ab OR rectocolic\*:ti,ab OR rectorrhagi\*:ti,ab OR LGIB:ti,ab OR LIB:ti,ab) AND ('tranexamic acid'/exp OR 'tranexamic acid':ti,ab OR 'TXA':ti,ab OR 'antifibrinolytic agent'/de OR 'antifibrinolytic':ti,ab) AND [embase]/lim NOT ([embase]/lim AND [medline]/lim) AND ('article'/it OR 'review'/it) AND [31-12-2013]/sd NOT [1-1-2022]/sd AND [humans]/lim AND [english]/lim AND [abstracts]/lim

**Scopus Search: 6 results**

**Filters:** Exclude Medline; 2013-2021; English; Human; Articles/Reviews

**Last run:** Dec 20, 2021

**Copy/paste in advanced search:**

(TITLE-ABS((("Large Intestine" OR "Lower Gastrointestinal Tract" OR "lower gastrointestinal" OR "lower gastro-intestinal" OR "lower intestinal" OR "lower intestine" OR lower-GI OR "lower GI" OR anal OR anus OR rectal OR rectum OR colon OR colonic OR colorectal OR cecum OR caecum OR diverticula\* OR jejunum OR cloaca OR gut OR ileum OR bowel OR mesenteric) AND (LIB OR LGIB OR "Gastrointestinal Hemorrhage" OR gastrointestinal-hemorrhag\* OR gastrointestinal-haemorrhag\* OR gastrointestinal-bleed\* OR bleed\* OR rebleed\* OR re-bleed\* OR blood-loss\* OR "blood loss" OR hemorrhag\* OR haemorrhag\*)) OR ((Hematochezia OR Haematochezia OR Diverticular-bleed\* OR Diverticular-hemorrhag\* OR Diverticular-haemorrhag\* OR Melena OR melaena OR proctorrhagi\* OR rectocolic\* OR rectorrhagi\* OR LGIB OR LIB)))) AND (TITLE-ABS({tranexamic acid} OR TXA OR antifibrinolytic)) AND NOT INDEX(Medline) AND ( LIMIT-TO ( PUBYEAR,2021) OR LIMIT-TO ( PUBYEAR,2020) OR LIMIT-TO ( PUBYEAR,2019) OR LIMIT-TO ( PUBYEAR,2018) OR LIMIT-TO ( PUBYEAR,2016) OR LIMIT-TO ( PUBYEAR,2015) OR LIMIT-TO ( PUBYEAR,2014) ) AND ( LIMIT-TO ( DOCTYPE,"ar" ) OR LIMIT-TO ( DOCTYPE,"re" ) ) AND ( LIMIT-TO ( LANGUAGE,"English" ) )

**Cochrane Search: 39 results (39 trials; 0 reviews)**

**Filters:** 12/31/2013-12/31/2021; English

Date Run: 20/12/2021 04:45:43

ID Search Hits

#1 MeSH descriptor: [Intestine, Large] explode all trees 3349

#2 MeSH descriptor: [Lower Gastrointestinal Tract] explode all trees 3828

#3 ("lower gastrointestinal" OR "lower gastro-intestinal" OR "lower intestinal" OR "lower intestine" OR lower-GI OR "lower GI" OR anal OR anus OR rectal OR rectum OR colon OR colonic OR colorectal OR cecum OR caecum OR diverticula\* OR jejunum OR cloaca OR gut OR ileum OR bowel OR mesenteric):ti,ab,kw 68231

#4 #1 OR #2 OR #3 68292

#5 MeSH descriptor: [Gastrointestinal Hemorrhage] explode all trees 2022

#6 (LIB OR LGIB OR gastrointestinal-hemorrhag\* OR gastrointestinal-haemorrhag\* OR "gastrointestinal-bleed\*" OR bleed\* OR rebleed\* OR re-bleed\* OR blood-loss\* OR "blood loss" OR hemorrhag\* OR haemorrhag\*):ti,ab,kw 77155

#7 #5 OR #6 77172

#8 (Hematochezia OR Haematochezia OR "Diverticular-bleed\*" OR "Diverticular-hemorrhag\*" OR "Diverticular-haemorrhag\*" OR Melena OR melaena OR proctorrhagi\* OR rectocolic\* OR rectorrhagi\* OR LGIB OR LIB):ti,ab,kw 804

#9 #7 OR #8 77301

#10 #4 AND #9 5595

#11 MeSH descriptor: [Tranexamic Acid] explode all trees 1232

#12 MeSH descriptor: [Antifibrinolytic Agents] explode all trees 858

#13 ("tranexamic acid" OR TXA OR antifibrinolytic):ti,ab,kw 3599

#14 #11 OR #12 OR #13 3599

#15 #10 AND #14 with Cochrane Library publication date Between Dec 2013 and Dec 2021, in Trials 39

**Google Scholar (First 100 results only, sorted by relevancy)**

**Last search ran: Dec 20, 2021**

**Filters:** 2013-2021; English

(LGIB OR LIB OR "Lower gastrointestinal bleeding" OR "Lower Gastrointestinal Hemorrhage") AND ("tranexamic acid" OR TXA OR antifibrinolytic)

|  |  |
| --- | --- |
| PICO 6 | Role of colonoscopy in LGIB  P: Patients with suspected lower gastrointestinal bleeding  I: Performance of colonoscopy during hospitalization  C: No colonoscopy  O: Source of bleeding, further bleeding/rebleeding, frequency of endoscopic treatment/hemostasis |

**Search run: 11 Dec 2021**

**Limits: 01 Dec 2013 – 01 Dec 2021**

**Humans, English.**

**Total Articles Screened: 2777**

**Irrelevant on first pass: 2743**

**Excluded on full text review: 30**

**Final studies extracted: 8 (4 articles manually added)**

**PubMed**

**LGIB**

(("Lower Gastrointestinal Tract"[Mesh] OR lower gastrointestin\*[tiab] OR lower intestin\*[tiab] OR lower-GI[tiab] OR lower GI[tiab] OR lower gastro-intestin\*[tiab] OR lower gastrointestin\*[tiab] OR lower gastro-intestin\*[tiab] OR lower-gastrointestinal-tract[tiab] OR lower-GI-tract[tiab] OR anal[tiab] OR anus[tiab] OR diverticul\*[tiab] OR colon[tiab] OR colonic[tiab] OR rectum[tiab] OR rectal[tiab] OR colorectal[tiab] OR cecum[tiab] OR caecum[tiab] OR jejunum[tiab] OR cloaca[tiab] OR gut[tiab] OR ileum[tiab] OR lower-intestin\*[tiab] OR large-intestin\*[tiab] OR small-intestin\*[tiab] OR bowel[tiab] OR mesenteric[tiab]) AND ("Gastrointestinal Hemorrhage"[Mesh] OR hemorrhag\*[tiab] OR haemorrhag\*[tiab] OR bleed\*[tiab] OR re-bleed\*[tiab] OR rebleed\*[tiab] OR severe-bleed\*[tiab] OR active-bleed\*[tiab] OR acute-bleed\*[tiab] OR acute-hemorrhag\*[tiab] OR acute-haemorrhag\*[tiab] OR blood loss\*[tiab] OR melena[tiab] OR hematochezia[tiab] OR haematochezia[tiab])) OR lower-gastrointestinal-bleed\*[tiab] OR lower-gastrointestinal-hemorrhag\*[tiab] OR lower-gastrointestinal-haemorrhag\*[tiab] OR LGIB[tiab] OR lower-GI-bleed\*[tiab] OR rectal bleed\*[tiab] OR rectal hemorrhag\*[tiab] OR rectal haemorrhag\*[tiab] OR colonic hemorrhag\*[tiab] OR colonic haemorrhag\*[tiab] OR colonic bleed\*[tiab] OR diverticular bleed\*[tiab] OR diverticular hemorrhag\*[tiab] OR diverticular haemorrhag\*[tiab]

AND

**Colonoscopy**

("Colonoscopy"[Mesh] OR Sigmoidoscopy[Mesh] OR colonoscop\*[tiab] OR coloscop\*[tiab])

"No intervention"[tiab] OR conservative[tiab] OR non-invasive[tiab]

("2013/12/01"[PDAT] : "2021/12/01"[PDAT]) OR ("2013/12/01"[EPDAT] : "2021/12/01"[EPDAT])

**Results: 1968**

**OVID**

**LGIB**

Lower gastrointestinal tract/ and (gastrointestinal hemorrhage/ or hemorrhage/) or (LGIB or LIB or ((lower-gi or lower-gastro-intestin\* or lower-gastrointestin\* or lower-intestin\* or anal or anus or diverticul\* or small-intestin\* or small-bowel or colon or colonic or rectum or rectal or colorectal or cecum or caecum or jejunum or cloaca or gut or ileum or bowel or mesenteric) adj (hemorrhag\* or haemorrhag\* or bleed\* or rebleed\* or re-bleed\* or hematochezia or haematochezia or melena))).ti,ab.

AND

**Colonoscopy**

exp colonoscopy/ or sigmoidoscopy/ or (colonoscop\* or coloscop\* or sigmoidoscop\* or proctosigmoidoscop\*).ti,ab.

limit to dt=20131201-20211201

**Results: 471**

**Embase (Ovid)**

**LGIB**

Lower gastrointestinal tract/ and (gastrointestinal hemorrhage/ or hemorrhage/) or (LGIB or LIB or ((lower-gi or lower-gastro-intestin\* or lower-gastrointestin\* or lower-intestin\* or anal or anus or diverticul\* or small-intestin\* or small-bowel or colon or colonic or rectum or rectal or colorectal or cecum or caecum or jejunum or cloaca or gut or ileum or bowel or mesenteric) adj (hemorrhag\* or haemorrhag\* or bleed\* or rebleed\* or re-bleed\* or hematochezia or haematochezia or melena))).ti,ab.

AND

**Colonoscopy**

exp colonoscopy/ or sigmoidoscopy/ or (colonoscop\* or coloscop\* or sigmoidoscop\* or proctosigmoidoscop\*).ti,ab.

Limit to yr= "2013 - 2021"

**Results: 1011**

**Cochrane CENTRAL**

**LGIB**

(([mh "Lower Gastrointestinal Tract"] OR ("lower" NEXT gastrointestin\*):ti,ab OR ("lower" NEXT intestin\*):ti,ab OR lower-GI:ti,ab OR "lower GI":ti,ab OR ("lower" NEXT gastro-intestin\*):ti,ab OR ("lower" NEXT gastrointestin\*):ti,ab OR ("lower" NEXT gastro-intestin\*):ti,ab OR lower-gastrointestinal-tract:ti,ab OR lower-GI-tract:ti,ab OR anal:ti,ab OR anus:ti,ab OR diverticul\*:ti,ab OR colon:ti,ab OR colonic:ti,ab OR rectum:ti,ab OR rectal:ti,ab OR colorectal:ti,ab OR cecum:ti,ab OR caecum:ti,ab OR jejunum:ti,ab OR cloaca:ti,ab OR gut:ti,ab OR ileum:ti,ab OR lower-intestin\*:ti,ab OR large-intestin\*:ti,ab OR small-intestin\*:ti,ab OR bowel:ti,ab OR mesenteric:ti,ab) AND ([mh "Gastrointestinal Hemorrhage"] OR hemorrhag\*:ti,ab OR haemorrhag\*:ti,ab OR bleed\*:ti,ab OR re-bleed\*:ti,ab OR rebleed\*:ti,ab OR severe-bleed\*:ti,ab OR active-bleed\*:ti,ab OR acute-bleed\*:ti,ab OR acute-hemorrhag\*:ti,ab OR acute-haemorrhag\*:ti,ab OR ("blood" NEXT loss\*):ti,ab OR melena:ti,ab OR hematochezia:ti,ab OR haematochezia:ti,ab)) OR lower-gastrointestinal-bleed\*:ti,ab OR lower-gastrointestinal-hemorrhag\*:ti,ab OR lower-gastrointestinal-haemorrhag\*:ti,ab OR LGIB:ti,ab OR lower-GI-bleed\*:ti,ab OR ("rectal" NEXT bleed\*):ti,ab OR ("rectal" NEXT hemorrhag\*):ti,ab OR ("rectal" NEXT haemorrhag\*):ti,ab OR ("colonic" NEXT hemorrhag\*):ti,ab OR ("colonic" NEXT haemorrhag\*):ti,ab OR ("colonic" NEXT bleed\*):ti,ab OR ("diverticular" NEXT bleed\*):ti,ab OR ("diverticular" NEXT hemorrhag\*):ti,ab OR ("diverticular" NEXT haemorrhag\*):ti,ab

AND

**Colonoscopy**

([mh Colonoscopy] OR [mh Sigmoidoscopy] OR colonoscop\*:ti,ab OR coloscop\*:ti,ab)

**Results: 472**

**Scopus**

**LGIB**

TITLE-ABS(lower-gastrointestinal-bleed\*) OR TITLE-ABS(lower-gastrointestinal-hemorrhag\*) OR TITLE-ABS(lower-gastrointestinal-haemorrhag\*) OR TITLE-ABS(LGIB) OR TITLE-ABS(lower-GI-bleed\*) OR TITLE-ABS("rectal bleed\*") OR TITLE-ABS("rectal hemorrhag\*") OR TITLE-ABS("rectal haemorrhag\*") OR TITLE-ABS("colonic hemorrhag\*") OR TITLE-ABS("colonic haemorrhag\*") OR TITLE-ABS("colonic bleed\*") OR TITLE-ABS("diverticular bleed\*") OR TITLE-ABS("diverticular hemorrhag\*") OR TITLE-ABS("diverticular haemorrhag\*")

AND

**Colonoscopy**

(INDEXTERMS(Colonoscopy) OR INDEXTERMS(Sigmoidoscopy) OR TITLE-ABS(colonoscop\*) OR TITLE-ABS(coloscop\*))

( LIMIT-TO ( PUBYEAR,2021) OR LIMIT-TO ( PUBYEAR,2020) OR LIMIT-TO ( PUBYEAR,2019) OR LIMIT-TO ( PUBYEAR,2018) OR LIMIT-TO ( PUBYEAR,2017) OR LIMIT-TO ( PUBYEAR,2016) OR LIMIT-TO ( PUBYEAR,2015) OR LIMIT-TO ( PUBYEAR,2014) OR LIMIT-TO ( PUBYEAR,2013) ) AND ( LIMIT-TO ( DOCTYPE,"ar" ) OR LIMIT-TO ( DOCTYPE,"re" ) ) AND ( LIMIT-TO ( LANGUAGE,"English" ) )

**Results: 803**

**Google Scholar**

(2013-2021 first 100 results)

LGIB|"lower gastrointestinal"|"lower GI" bleed|hemorrhage|haemorrhage colonoscopy

|  |  |
| --- | --- |
| PICO 7 | Colonoscopy vs. CTA as initial diagnostic testing in patients with severe hematochezia  P: Patients with severe LGIB  I: Performance of CT Angiography as initial diagnostic testing  C: Performance of colonoscopy  O: Source of bleeding, further bleeding, mortality, endoscopic intervention |

**Search run: 11 Dec 2021**

**Total Articles Screened:1585**

**Irrelevant on first pass: 1563**

**Excluded on full text review: 16**

**Final studies extracted: 7 (1 manually added)**

**PubMed**

**LGIB**

(("Lower Gastrointestinal Tract"[Mesh] OR lower gastrointestin\*[tiab] OR lower intestin\*[tiab] OR lower-GI[tiab] OR lower GI[tiab] OR lower gastro-intestin\*[tiab] OR lower gastrointestin\*[tiab] OR lower gastro-intestin\*[tiab] OR lower-gastrointestinal-tract[tiab] OR lower-GI-tract[tiab] OR anal[tiab] OR anus[tiab] OR diverticul\*[tiab] OR colon[tiab] OR colonic[tiab] OR rectum[tiab] OR rectal[tiab] OR colorectal[tiab] OR cecum[tiab] OR caecum[tiab] OR jejunum[tiab] OR cloaca[tiab] OR gut[tiab] OR ileum[tiab] OR lower-intestin\*[tiab] OR large-intestin\*[tiab] OR small-intestin\*[tiab] OR bowel[tiab] OR mesenteric[tiab]) AND ("Gastrointestinal Hemorrhage"[Mesh] OR hemorrhag\*[tiab] OR haemorrhag\*[tiab] OR bleed\*[tiab] OR re-bleed\*[tiab] OR rebleed\*[tiab] OR severe-bleed\*[tiab] OR active-bleed\*[tiab] OR acute-bleed\*[tiab] OR acute-hemorrhag\*[tiab] OR acute-haemorrhag\*[tiab] OR blood loss\*[tiab] OR melena[tiab] OR hematochezia[tiab] OR haematochezia[tiab])) OR lower-gastrointestinal-bleed\*[tiab] OR lower-gastrointestinal-hemorrhag\*[tiab] OR lower-gastrointestinal-haemorrhag\*[tiab] OR LGIB[tiab] OR lower-GI-bleed\*[tiab] OR rectal bleed\*[tiab] OR rectal hemorrhag\*[tiab] OR rectal haemorrhag\*[tiab] OR colonic hemorrhag\*[tiab] OR colonic haemorrhag\*[tiab] OR colonic bleed\*[tiab] OR diverticular bleed\*[tiab] OR diverticular hemorrhag\*[tiab] OR diverticular haemorrhag\*[tiab]

AND

**CTA**

"Computed Tomography Angiography"[Mesh] OR "Tomography, X-Ray Computed"[Mesh] OR CTA[tiab] OR computer-tomographic-angiogra\*[tiab] OR computed-tomography-angiogra\*[tiab] OR computed-tomography[tiab] OR CT-angiogra\*[tiab] OR contrast-enhanced-CT[tiab] OR multi-slice CT[tiab] OR multidetector-computed-tomography[tiab] OR angiogra\*[tiab]

(AND)

**Diagnosis**

Diagnosis[Mesh] OR diagnosis[sh] OR diagnos\*[tiab] OR detect\*[tiab] OR evaluat\*[tiab] OR ((diagnos\*[tiab] OR detect\*[tiab] OR locat\*[tiab]) AND (radiolog\*[tiab] OR early[tiab] OR initial[tiab]))

(AND)

**Colonoscopy**

"Colonoscopy"[Mesh] OR Sigmoidoscopy[Mesh] OR colonoscop\*[tiab] OR coloscop\*[tiab] OR sigmoidoscop\*[tiab] OR proctosigmoidoscop\*[tiab]

("2013/12/01"[PDAT] : "2021/12/01"[PDAT]) OR ("2013/12/01"[EPDAT] : "2021/12/01"[EPDAT])

**Results: 1628**

**OVID**

**LGIB**

Lower gastrointestinal tract/ and (gastrointestinal hemorrhage/ or hemorrhage/) or (LGIB or LIB or ((lower-gi or lower-gastro-intestin\* or lower-gastrointestin\* or lower-intestin\* or anal or anus or diverticul\* or small-intestin\* or small-bowel or colon or colonic or rectum or rectal or colorectal or cecum or caecum or jejunum or cloaca or gut or ileum or bowel or mesenteric) adj (hemorrhag\* or haemorrhag\* or bleed\* or rebleed\* or re-bleed\* or hematochezia or haematochezia or melena))).ti,ab.

AND

**CTA**

(Computed tomography angiography/ or (CTA or CT-angiogra\* or CT-angiograph\* or angiogra\* or computed-tomography or (contrast adj5 CT) or ((computed or CT or tomograph\* or mesenteric) adj3 (tomography or angiogra\* or colonograph\*))).ti,ab.)

(AND)

**Colonoscopy**

exp colonoscopy/ or sigmoidoscopy/ or (colonoscop\* or coloscop\* or sigmoidoscop\* or proctosigmoidoscop\*).ti,ab.

**Diagnosis**

(AND)

(exp diagnosis/ or "Diagnosis".fs. or (diagnos\* or radiolog\*-diagnos\* or detect\* or ((diagnos\* or detect\* or evaluat\*) adj3 (early or initial))).ti,ab.)

limit to dt=20131201-20211201

**Results: 225**

**Embase (Ovid)**

**LGIB**

Lower gastrointestinal tract/ and (gastrointestinal hemorrhage/ or hemorrhage/) or (LGIB or LIB or ((lower-gi or lower-gastro-intestin\* or lower-gastrointestin\* or lower-intestin\* or anal or anus or diverticul\* or small-intestin\* or small-bowel or colon or colonic or rectum or rectal or colorectal or cecum or caecum or jejunum or cloaca or gut or ileum or bowel or mesenteric) adj (hemorrhag\* or haemorrhag\* or bleed\* or rebleed\* or re-bleed\* or hematochezia or haematochezia or melena))).ti,ab.

AND

**CTA**

(Computed tomography angiography/ or (CTA or CT-angiogra\* or CT-angiograph\* or angiogra\* computed-tomography or (contrast adj5 CT) or ((computed or CT or tomograph\* or mesenteric) adj3 (tomography or angiogra\* or colonograph\*))).ti,ab.)

(AND)

**Colonoscopy**

exp colonoscopy/ or sigmiodoscopy/ or (colonoscop\* or coloscop\* or sigmiodoscop\* or proctosigmoidoscop\*).ti,ab.

**Results: 352**

**Cochrane CENTRAL**

**LGIB**

(([mh "Lower Gastrointestinal Tract"] OR ("lower" NEXT gastrointestin\*):ti,ab OR ("lower" NEXT intestin\*):ti,ab OR lower-GI:ti,ab OR "lower GI":ti,ab OR ("lower" NEXT gastro-intestin\*):ti,ab OR ("lower" NEXT gastrointestin\*):ti,ab OR ("lower" NEXT gastro-intestin\*):ti,ab OR lower-gastrointestinal-tract:ti,ab OR lower-GI-tract:ti,ab OR anal:ti,ab OR anus:ti,ab OR diverticul\*:ti,ab OR colon:ti,ab OR colonic:ti,ab OR rectum:ti,ab OR rectal:ti,ab OR colorectal:ti,ab OR cecum:ti,ab OR caecum:ti,ab OR jejunum:ti,ab OR cloaca:ti,ab OR gut:ti,ab OR ileum:ti,ab OR lower-intestin\*:ti,ab OR large-intestin\*:ti,ab OR small-intestin\*:ti,ab OR bowel:ti,ab OR mesenteric:ti,ab) AND ([mh "Gastrointestinal Hemorrhage"] OR hemorrhag\*:ti,ab OR haemorrhag\*:ti,ab OR bleed\*:ti,ab OR re-bleed\*:ti,ab OR rebleed\*:ti,ab OR severe-bleed\*:ti,ab OR active-bleed\*:ti,ab OR acute-bleed\*:ti,ab OR acute-hemorrhag\*:ti,ab OR acute-haemorrhag\*:ti,ab OR ("blood" NEXT loss\*):ti,ab OR melena:ti,ab OR hematochezia:ti,ab OR haematochezia:ti,ab)) OR lower-gastrointestinal-bleed\*:ti,ab OR lower-gastrointestinal-hemorrhag\*:ti,ab OR lower-gastrointestinal-haemorrhag\*:ti,ab OR LGIB:ti,ab OR lower-GI-bleed\*:ti,ab OR ("rectal" NEXT bleed\*):ti,ab OR ("rectal" NEXT hemorrhag\*):ti,ab OR ("rectal" NEXT haemorrhag\*):ti,ab OR ("colonic" NEXT hemorrhag\*):ti,ab OR ("colonic" NEXT haemorrhag\*):ti,ab OR ("colonic" NEXT bleed\*):ti,ab OR ("diverticular" NEXT bleed\*):ti,ab OR ("diverticular" NEXT hemorrhag\*):ti,ab OR ("diverticular" NEXT haemorrhag\*):ti,ab

AND

**CTA**

([mh ^"Computed tomography angiography"] OR (CTA:ti,ab OR CT-angiogra\*:ti,ab OR CT-angiograph\*:ti,ab OR angiogra\*:ti,ab OR (contrast:ti,ab NEAR/5 CT:ti,ab) OR ((computed:ti,ab OR CT:ti,ab OR tomograph\*:ti,ab OR mesenteric:ti,ab) NEAR/3 (angiogra\*:ti,ab OR colonograph\*:ti,ab))))

(AND)

**Diagnosis**

[mh Diagnosis] OR [mh /DI] OR diagnos\*:ti,ab OR (radiolog\*:ti,ab AND diagnos\*:ti,ab) OR ((diagnos\*:ti,ab) AND (early:ti,ab OR initial:ti,ab OR detect\*:ti,ab OR locat\*:ti,ab OR test\*:ti,ab OR evaluat\*:ti,ab OR diagnos\*:ti,ab))

**Results: 61**

**Scopus**

**LGIB**

TITLE-ABS(lower-gastrointestinal-bleed\*) OR TITLE-ABS(lower-gastrointestinal-hemorrhag\*) OR TITLE-ABS(lower-gastrointestinal-haemorrhag\*) OR TITLE-ABS(LGIB) OR TITLE-ABS(lower-GI-bleed\*) OR TITLE-ABS("rectal bleed\*") OR TITLE-ABS("rectal hemorrhag\*") OR TITLE-ABS("rectal haemorrhag\*") OR TITLE-ABS("colonic hemorrhag\*") OR TITLE-ABS("colonic haemorrhag\*") OR TITLE-ABS("colonic bleed\*") OR TITLE-ABS("diverticular bleed\*") OR TITLE-ABS("diverticular hemorrhag\*") OR TITLE-ABS("diverticular haemorrhag\*")

AND

**CTA**

(INDEXTERMS("Computed tomography angiography") OR TITLE-ABS(CTA OR CT-angiogra\* OR CT-angiograph\* OR angiogra\* OR (contrast W/5 CT ) OR ((computed OR CT OR tomograph\* OR mesenteric ) W/3 (angiogra\* OR colonograph\* ))))

(AND)

Diagnosis

INDEXTERMS(Diagnosis) OR "Diagnosis" OR TITLE-ABS(diagnos\*) OR (TITLE-ABS(radiolog\*) AND TITLE-ABS(diagnos\*)) OR ((TITLE-ABS(diagnos\*)) AND (TITLE-ABS(early) OR TITLE-ABS(initial) OR TITLE-ABS(detect\*) OR TITLE-ABS(locat\*) OR TITLE-ABS(test\*) OR TITLE-ABS(evaluat\*) OR TITLE-ABS(diagnos\*)))

( LIMIT-TO ( PUBYEAR,2021) OR LIMIT-TO ( PUBYEAR,2020) OR LIMIT-TO ( PUBYEAR,2019) OR LIMIT-TO ( PUBYEAR,2018) OR LIMIT-TO ( PUBYEAR,2017) OR LIMIT-TO ( PUBYEAR,2016) OR LIMIT-TO ( PUBYEAR,2015) OR LIMIT-TO ( PUBYEAR,2014) OR LIMIT-TO ( PUBYEAR,2013) ) AND ( LIMIT-TO ( DOCTYPE,"ar" ) OR LIMIT-TO ( DOCTYPE,"re" ) ) AND ( LIMIT-TO ( LANGUAGE,"English" ) )

**Results: 138**

**Google Scholar**

**(2013-2021 first 100 results)**

LGIB|"lower gastrointestinal"|"lower GI" bleed|hemorrhage|haemorrhage CTA|angiograph|"computed tomography"|CT colonoscopy

|  |  |
| --- | --- |
| PICO 8 | Management of patients with a positive CTA  P: Patients with severe hematochezia who have a positive CTA localizing a source of bleeding in the colon  I: Performance of mesenteric angiography with embolization  C: Colonoscopy  O: Endoscopic hemostasis, Rebleeding, Source of bleeding |

**Search run: 11 Dec 2021**

**Limits: 01 Dec 2013 – 01 Dec 2021**

**Total Articles Screened:1149**

**Irrelevant on first pass: 1122**

**Excluded on full text review: 18**

**Final studies extracted: 14 (5 manually added)**

**PubMed**

**LGIB**

(("Lower Gastrointestinal Tract"[Mesh] OR lower gastrointestin\*[tiab] OR lower intestin\*[tiab] OR lower-GI[tiab] OR lower GI[tiab] OR lower gastro-intestin\*[tiab] OR lower gastrointestin\*[tiab] OR lower gastro-intestin\*[tiab] OR lower-gastrointestinal-tract[tiab] OR lower-GI-tract[tiab] OR anal[tiab] OR anus[tiab] OR diverticul\*[tiab] OR colon[tiab] OR colonic[tiab] OR rectum[tiab] OR rectal[tiab] OR colorectal[tiab] OR cecum[tiab] OR caecum[tiab] OR jejunum[tiab] OR cloaca[tiab] OR gut[tiab] OR ileum[tiab] OR lower-intestin\*[tiab] OR large-intestin\*[tiab] OR small-intestin\*[tiab] OR bowel[tiab] OR mesenteric[tiab]) AND ("Gastrointestinal Hemorrhage"[Mesh] OR hemorrhag\*[tiab] OR haemorrhag\*[tiab] OR bleed\*[tiab] OR re-bleed\*[tiab] OR rebleed\*[tiab] OR severe-bleed\*[tiab] OR active-bleed\*[tiab] OR acute-bleed\*[tiab] OR acute-hemorrhag\*[tiab] OR acute-haemorrhag\*[tiab] OR blood loss\*[tiab] OR melena[tiab] OR hematochezia[tiab] OR haematochezia[tiab])) OR lower-gastrointestinal-bleed\*[tiab] OR lower-gastrointestinal-hemorrhag\*[tiab] OR lower-gastrointestinal-haemorrhag\*[tiab] OR LGIB[tiab] OR lower-GI-bleed\*[tiab] OR rectal bleed\*[tiab] OR rectal hemorrhag\*[tiab] OR rectal haemorrhag\*[tiab] OR colonic hemorrhag\*[tiab] OR colonic haemorrhag\*[tiab] OR colonic bleed\*[tiab] OR diverticular bleed\*[tiab] OR diverticular hemorrhag\*[tiab] OR diverticular haemorrhag\*[tiab]

AND

**CT/Colonoscopy**

"Computed Tomography Angiography"[Mesh] OR "Tomography, X-Ray Computed"[Mesh] OR CTA[tiab] OR computer-tomographic-angiogra\*[tiab] OR computed-tomography-angiogra\*[tiab] OR computed-tomography[tiab] OR CT-angiogra\*[tiab] OR contrast-enhanced-CT[tiab] OR multi-slice CT[tiab] OR multidetector-computed-tomography[tiab] OR angiogra\*[tiab] OR "Colonoscopy"[Mesh] OR Sigmoidoscopy[Mesh] OR colonoscop\*[tiab] OR coloscop\*[tiab]

OR

positive-CT[tiab] OR positive-computed[tiab] OR positive-contrast-CT[tiab] OR positive-colonoscopy[tiab]

AND

**Mesenteric angiography with embolization**

"Embolization, Therapeutic"[Mesh] OR Angiography[Mesh] OR embolotherap\*[tiab] OR embolization\*[tiab] OR embolisation[tiab] OR mesenteric angiography embolization[tiab] OR mesenteric-angiogra\*[tiab] OR angioemboli\*[tiab] OR ((mesenteric[tiab]) AND (angiogra\*[tiab] OR emboli\*[tiab])) OR ((abdominal[tiab] OR transcatheter[tiab] OR coil[tiab] OR superior[tiab] OR superselective[tiab] OR arterial[tiab] OR therapeutic[tiab] OR treatment[tiab]) AND (emboli\*[tiab] OR angiogra\*[tiab]))

("2013/12/01"[PDAT] : "2021/12/01"[PDAT]) OR ("2013/12/01"[EPDAT] : "2021/12/01"[EPDAT])

**Results: 970**

**OVID**

**LGIB**

Lower gastrointestinal tract/ and (gastrointestinal hemorrhage/ or hemorrhage/) or (LGIB or LIB or ((lower-gi or lower-gastro-intestin\* or lower-gastrointestin\* or lower-intestin\* or anal or anus or diverticul\* or small-intestin\* or small-bowel or colon or colonic or rectum or rectal or colorectal or cecum or caecum or jejunum or cloaca or gut or ileum or bowel or mesenteric) adj (hemorrhag\* or haemorrhag\* or bleed\* or rebleed\* or re-bleed\* or hematochezia or haematochezia or melena))).ti,ab.

AND

(Positive-CT or positive-computed-tomography or positive-colonoscopy or positive-contrast-CT).ti,ab,kf.

OR

exp colonoscopy/ or sigmoidoscopy/ or (colonoscop\* or coloscop\* or sigmoidoscop\* or proctosigmoidoscop\*).ti,ab.

OR

(Computed tomography angiography/ or (CTA or CT-angiogra\* or CT-angiograph\* or angiogra\* or computed-tomography or (contrast adj5 CT) or ((computed or CT or tomograph\* or mesenteric) adj3 (tomography or angiogra\* or colonograph\*))).ti,ab.)

AND

**Mesenteric angiography with embolization**

(Exp embolization, therapeutic/ or exp angiography/ or interventional radiology/) or (exp embolization, therapeutic/ and exp angiography) or (angiogra\* or arteriograph\* or microemboli\* or abdominal-angiogra\* or angioemboli\* or embolotherap\* or embolization or embolisation or mesenteric-angiogr\* or ((therapeutic or treatment or abdominal or abdomen or superior or superselective or arterial or mesenteric or artificial or transcatheter or coil) adj3 (angiogra\* or emboli\*))).ti,ab.

limit to dt=20131201-20211201

**Results: 181**

**Embase (Ovid)**

**LGIB**

Lower gastrointestinal tract/ and (gastrointestinal hemorrhage/ or hemorrhage/) or (LGIB or LIB or ((lower-gi or lower-gastro-intestin\* or lower-gastrointestin\* or lower-intestin\* or anal or anus or diverticul\* or small-intestin\* or small-bowel or colon or colonic or rectum or rectal or colorectal or cecum or caecum or jejunum or cloaca or gut or ileum or bowel or mesenteric) adj (hemorrhag\* or haemorrhag\* or bleed\* or rebleed\* or re-bleed\* or hematochezia or haematochezia or melena))).ti,ab.

AND

(Positive-CT or positive-computed-tomography or positive-colonoscopy or positive-contrast-CT).tw.

OR

Computed tomography angiography/ or (CTA or CT-angiogra\* or CT-angiograph\* or angiogra\* computed-tomography or (contrast adj5 CT) or ((computed or CT or tomograph\* or mesenteric) adj3 (tomography or angiogra\* or colonograph\*))).ti,ab.

OR

exp colonoscopy/ or sigmoidoscopy/ or (colonoscop\* or coloscop\* or sigmoidoscop\* or proctosigmoidoscop\*).ti,ab.

AND

**Mesenteric angiography with embolization**

Exp artificial embolization/ or exp angiography/ or superior mesenteric angiography/ or abdominal angiography/ or (angiogra\* or arteriograph\* or microemboli\* or abdominal-angiogra\* or angioemboli\* or embolotherap\* or embolization or embolisation or mesenteric-angiogr\* or ((therapeutic or treatment or abdominal or abdomen or superior or superselective or arterial or mesenteric or artificial or transcatheter or coil) adj3 (angiogra\* or emboli\*))).ti,ab.

Limit to yr="2013 - 2021"

**Results: 182**

**Cochrane CENTRAL**

**LGIB**

(([mh "Lower Gastrointestinal Tract"] OR ("lower" NEXT gastrointestin\*):ti,ab OR ("lower" NEXT intestin\*):ti,ab OR lower-GI:ti,ab OR "lower GI":ti,ab OR ("lower" NEXT gastro-intestin\*):ti,ab OR ("lower" NEXT gastrointestin\*):ti,ab OR ("lower" NEXT gastro-intestin\*):ti,ab OR lower-gastrointestinal-tract:ti,ab OR lower-GI-tract:ti,ab OR anal:ti,ab OR anus:ti,ab OR diverticul\*:ti,ab OR colon:ti,ab OR colonic:ti,ab OR rectum:ti,ab OR rectal:ti,ab OR colorectal:ti,ab OR cecum:ti,ab OR caecum:ti,ab OR jejunum:ti,ab OR cloaca:ti,ab OR gut:ti,ab OR ileum:ti,ab OR lower-intestin\*:ti,ab OR large-intestin\*:ti,ab OR small-intestin\*:ti,ab OR bowel:ti,ab OR mesenteric:ti,ab) AND ([mh "Gastrointestinal Hemorrhage"] OR hemorrhag\*:ti,ab OR haemorrhag\*:ti,ab OR bleed\*:ti,ab OR re-bleed\*:ti,ab OR rebleed\*:ti,ab OR severe-bleed\*:ti,ab OR active-bleed\*:ti,ab OR acute-bleed\*:ti,ab OR acute-hemorrhag\*:ti,ab OR acute-haemorrhag\*:ti,ab OR ("blood" NEXT loss\*):ti,ab OR melena:ti,ab OR hematochezia:ti,ab OR haematochezia:ti,ab)) OR lower-gastrointestinal-bleed\*:ti,ab OR lower-gastrointestinal-hemorrhag\*:ti,ab OR lower-gastrointestinal-haemorrhag\*:ti,ab OR LGIB:ti,ab OR lower-GI-bleed\*:ti,ab OR ("rectal" NEXT bleed\*):ti,ab OR ("rectal" NEXT hemorrhag\*):ti,ab OR ("rectal" NEXT haemorrhag\*):ti,ab OR ("colonic" NEXT hemorrhag\*):ti,ab OR ("colonic" NEXT haemorrhag\*):ti,ab OR ("colonic" NEXT bleed\*):ti,ab OR ("diverticular" NEXT bleed\*):ti,ab OR ("diverticular" NEXT hemorrhag\*):ti,ab OR ("diverticular" NEXT haemorrhag\*):ti,ab

AND

([mh "embolization, therapeutic"] OR [mh angiography] OR [mh ^"interventional radiology"]) OR ([mh "embolization, therapeutic"] AND "exp angiography" ) OR (angiogra\*:ti,ab OR arteriograph\*:ti,ab OR microemboli\*:ti,ab OR abdominal-angiogra\*:ti,ab OR angioemboli\*:ti,ab OR embolotherap\*:ti,ab OR embolization:ti,ab OR embolisation:ti,ab OR mesenteric-angiogr\*:ti,ab OR ((therapeutic:ti,ab OR abdominal:ti,ab OR abdomen:ti,ab OR superior:ti,ab OR arterial:ti,ab OR mesenteric:ti,ab OR artificial:ti,ab OR transcatheter:ti,ab OR coil:ti,ab) NEAR/3 (angiogra\*:ti,ab OR emboli\*:ti,ab)))

**Results: 66**

**Scopus**

**LGIB**

TITLE-ABS(lower-gastrointestinal-bleed\*) OR TITLE-ABS(lower-gastrointestinal-hemorrhag\*) OR TITLE-ABS(lower-gastrointestinal-haemorrhag\*) OR TITLE-ABS(LGIB) OR TITLE-ABS(lower-GI-bleed\*) OR TITLE-ABS("rectal bleed\*") OR TITLE-ABS("rectal hemorrhag\*") OR TITLE-ABS("rectal haemorrhag\*") OR TITLE-ABS("colonic hemorrhag\*") OR TITLE-ABS("colonic haemorrhag\*") OR TITLE-ABS("colonic bleed\*") OR TITLE-ABS("diverticular bleed\*") OR TITLE-ABS("diverticular hemorrhag\*") OR TITLE-ABS("diverticular haemorrhag\*")

AND

(INDEXTERMS("embolization, therapeutic") OR INDEXTERMS(angiography) OR INDEXTERMS("interventional radiology")) OR (INDEXTERMS("embolization, therapeutic") AND "exp angiography" ) OR TITLE-ABS(angiogra\* OR arteriograph\* OR microemboli\* OR abdominal-angiogra\* OR angioemboli\* OR embolotherap\* OR embolization OR embolisation OR mesenteric-angiogr\* OR ((therapeutic OR abdominal OR abdomen OR superior OR arterial OR mesenteric OR artificial OR transcatheter OR coil ) W/3 (angiogra\* OR emboli\* )))

AND

TITLE-ABS(positive-CT) OR TITLE-ABS(positive-computed) OR TITLE-ABS(positive-contrast-CT) OR TITLE-ABS(positive-colonoscopy)

( LIMIT-TO ( PUBYEAR,2021) OR LIMIT-TO ( PUBYEAR,2020) OR LIMIT-TO ( PUBYEAR,2019) OR LIMIT-TO ( PUBYEAR,2018) OR LIMIT-TO ( PUBYEAR,2017) OR LIMIT-TO ( PUBYEAR,2016) OR LIMIT-TO ( PUBYEAR,2015) OR LIMIT-TO ( PUBYEAR,2014) OR LIMIT-TO ( PUBYEAR,2013) ) AND ( LIMIT-TO ( DOCTYPE,"ar" ) OR LIMIT-TO ( DOCTYPE,"re" ) ) AND ( LIMIT-TO ( LANGUAGE,"English" ) )

**Results: 274**

**Google Scholar**

(2013-2021 first 100 results)

LGIB|"lower gastrointestinal"|"lower GI" bleed|hemorrhage|haemorrhage|hematochezia embolization|embolisation|"mesenteric angiography"

|  |  |
| --- | --- |
| PICO 9 | Timing of colonoscopy  P: Patients hospitalized with severe hematochezia undergoing colonoscopy  I: Performance of early colonoscopy (within 24 hours)  C: Performance of elective colonoscopy (beyond 24 hours)  O: Rebleeding, endoscopic intervention, source of bleeding, LOS, mortality, need for IR/surgery |

**Search run: 11 Dec 2021.**

**Limits: 01 Dec 2013 – 01 Dec 2021**

**Humans, English**

**Total Articles Screened: 445**

**Irrelevant on first pass: 417**

**Excluded on full text review: 19**

**Final studies extracted: 9**

**PubMed**

**LGIB**

(("Lower Gastrointestinal Tract"[Mesh] OR lower gastrointestin\*[tiab] OR lower intestin\*[tiab] OR lower-GI[tiab] OR lower GI[tiab] OR lower gastro-intestin\*[tiab] OR lower gastrointestin\*[tiab] OR lower gastro-intestin\*[tiab] OR lower-gastrointestinal-tract[tiab] OR lower-GI-tract[tiab] OR anal[tiab] OR anus[tiab] OR diverticul\*[tiab] OR colon[tiab] OR colonic[tiab] OR rectum[tiab] OR rectal[tiab] OR colorectal[tiab] OR cecum[tiab] OR caecum[tiab] OR jejunum[tiab] OR cloaca[tiab] OR gut[tiab] OR ileum[tiab] OR lower-intestin\*[tiab] OR large-intestin\*[tiab] OR small-intestin\*[tiab] OR bowel[tiab] OR mesenteric[tiab]) AND ("Gastrointestinal Hemorrhage"[Mesh] OR hemorrhag\*[tiab] OR haemorrhag\*[tiab] OR bleed\*[tiab] OR re-bleed\*[tiab] OR rebleed\*[tiab] OR severe-bleed\*[tiab] OR active-bleed\*[tiab] OR acute-bleed\*[tiab] OR acute-hemorrhag\*[tiab] OR acute-haemorrhag\*[tiab] OR blood loss\*[tiab] OR melena[tiab] OR hematochezia[tiab] OR haematochezia[tiab])) OR lower-gastrointestinal-bleed\*[tiab] OR lower-gastrointestinal-hemorrhag\*[tiab] OR lower-gastrointestinal-haemorrhag\*[tiab] OR LGIB[tiab] OR lower-GI-bleed\*[tiab] OR rectal bleed\*[tiab] OR rectal hemorrhag\*[tiab] OR rectal haemorrhag\*[tiab] OR colonic hemorrhag\*[tiab] OR colonic haemorrhag\*[tiab] OR colonic bleed\*[tiab] OR diverticular bleed\*[tiab] OR diverticular hemorrhag\*[tiab] OR diverticular haemorrhag\*[tiab]

AND

**Colonoscopy Timing**

(("Colonoscopy"[Mesh] OR "Endoscopy, Gastrointestinal"[Mesh] OR Sigmoidoscopy[Mesh] OR colonoscop\*[tiab] OR coloscopy[tiab] OR endoscop\*[tiab] OR lower-endoscopy[tiab] OR sigmoidoscop\*[tiab] OR proctosigmoidoscop\*[tiab] OR colon-capsule-endoscopy[tiab] OR capsule-colonoscop\*[tiab] OR ileocolonoscopy[tiab] OR intestine-endoscopy[tiab] OR capsule-endoscopy[tiab] OR duodenoscopy[tiab] OR rectoscopy[tiab]) AND (timing[tiab] OR time[tiab] OR delay\*[tiab] OR early[tiab] OR urgent[tiab] OR elective[tiab] OR "24 hours"[tiab] OR "24h"[tiab] OR "within 24 hours"[tiab] OR "beyond 24 hours"[tiab] emergency[tiab])) OR Early-colonoscopy[tiab] OR urgent-colonoscopy[tiab] OR elective-colonoscopy[tiab] OR emergency-colonoscopy[tiab]

("2013/12/01"[PDAT] : "2021/12/01"[PDAT]) OR ("2013/12/01"[EPDAT] : "2021/12/01"[EPDAT])

**Results: 183**

**OVID**

**LGIB**

Lower gastrointestinal tract/ and (gastrointestinal hemorrhage/ or hemorrhage/) or (LGIB or LIB or ((lower-gi or lower-gastro-intestin\* or lower-gastrointestin\* or lower-intestin\* or anal or anus or diverticul\* or small-intestin\* or small-bowel or colon or colonic or rectum or rectal or colorectal or cecum or caecum or jejunum or cloaca or gut or ileum or bowel or mesenteric) adj (hemorrhag\* or haemorrhag\* or bleed\* or rebleed\* or re-bleed\* or hematochezia or haematochezia or melena))).ti,ab.

AND

**Colonoscopy Timing**

(exp colonoscopy/ and time factors/) or ((colonoscop\* or coloscop\* or sigmoidoscop\* or proctosigmoidoscop\* or endoscop\* or ileocolonoscopy or duodenoscopy or rectoscopy) adj2 (timing or time or delay\* or ("24" adj2 hour\* adj3 (within or beyond)) or early or urgent or elective or emergen\* or immediate)).ti,ab.

OR

(Early-colonoscop\* or urgent-colonoscop\* or elective-colonoscop\* or emergency-colonoscop\* or emergent-colonoscop\*).ti,ab.

limit to dt=20131201-20211201

**Results: 203**

**Embase (Ovid)**

**LGIB**

Lower gastrointestinal tract/ and (gastrointestinal hemorrhage/ or hemorrhage/) or (LGIB or LIB or ((lower-gi or lower-gastro-intestin\* or lower-gastrointestin\* or lower-intestin\* or anal or anus or diverticul\* or small-intestin\* or small-bowel or colon or colonic or rectum or rectal or colorectal or cecum or caecum or jejunum or cloaca or gut or ileum or bowel or mesenteric) adj (hemorrhag\* or haemorrhag\* or bleed\* or rebleed\* or re-bleed\* or hematochezia or haematochezia or melena))).ti,ab.

AND

**Colonoscopy Timing**

(exp colonoscopy/ and time factors/) or ((colonoscop\* or coloscop\* or sigmoidoscop\* or proctosigmoidoscop\* or endoscop\* or ileocolonoscopy or duodenoscopy or rectoscopy) adj2 (timing or time or delay\* or ("24" adj2 hour\* adj3 (within or beyond)) or early or urgent or elective or emergen\* or immediate)).ti,ab.

OR

(Early-colonoscop\* or urgent-colonoscop\* or elective-colonoscop\* or emergency-colonoscop\* or emergent-colonoscop\*).ti,ab.

**Results: 103**

**Cochrane CENTRAL**

**LGIB**

(([mh "Lower Gastrointestinal Tract"] OR ("lower" NEXT gastrointestin\*):ti,ab OR ("lower" NEXT intestin\*):ti,ab OR lower-GI:ti,ab OR "lower GI":ti,ab OR ("lower" NEXT gastro-intestin\*):ti,ab OR ("lower" NEXT gastrointestin\*):ti,ab OR ("lower" NEXT gastro-intestin\*):ti,ab OR lower-gastrointestinal-tract:ti,ab OR lower-GI-tract:ti,ab OR anal:ti,ab OR anus:ti,ab OR diverticul\*:ti,ab OR colon:ti,ab OR colonic:ti,ab OR rectum:ti,ab OR rectal:ti,ab OR colorectal:ti,ab OR cecum:ti,ab OR caecum:ti,ab OR jejunum:ti,ab OR cloaca:ti,ab OR gut:ti,ab OR ileum:ti,ab OR lower-intestin\*:ti,ab OR large-intestin\*:ti,ab OR small-intestin\*:ti,ab OR bowel:ti,ab OR mesenteric:ti,ab) AND ([mh "Gastrointestinal Hemorrhage"] OR hemorrhag\*:ti,ab OR haemorrhag\*:ti,ab OR bleed\*:ti,ab OR re-bleed\*:ti,ab OR rebleed\*:ti,ab OR severe-bleed\*:ti,ab OR active-bleed\*:ti,ab OR acute-bleed\*:ti,ab OR acute-hemorrhag\*:ti,ab OR acute-haemorrhag\*:ti,ab OR ("blood" NEXT loss\*):ti,ab OR melena:ti,ab OR hematochezia:ti,ab OR haematochezia:ti,ab)) OR lower-gastrointestinal-bleed\*:ti,ab OR lower-gastrointestinal-hemorrhag\*:ti,ab OR lower-gastrointestinal-haemorrhag\*:ti,ab OR LGIB:ti,ab OR lower-GI-bleed\*:ti,ab OR ("rectal" NEXT bleed\*):ti,ab OR ("rectal" NEXT hemorrhag\*):ti,ab OR ("rectal" NEXT haemorrhag\*):ti,ab OR ("colonic" NEXT hemorrhag\*):ti,ab OR ("colonic" NEXT haemorrhag\*):ti,ab OR ("colonic" NEXT bleed\*):ti,ab OR ("diverticular" NEXT bleed\*):ti,ab OR ("diverticular" NEXT hemorrhag\*):ti,ab OR ("diverticular" NEXT haemorrhag\*):ti,ab

AND

**Colonoscopy Timing**

([mh colonoscopy] AND [mh ^"time factors"]) OR ((colonoscop\*:ti,ab OR coloscop\*:ti,ab OR sigmoidoscop\*:ti,ab OR proctosigmoidoscop\*:ti,ab OR endoscop\*:ti,ab OR ileocolonoscopy:ti,ab OR duodenoscopy:ti,ab OR rectoscopy:ti,ab) NEAR/2 (timing:ti,ab OR time:ti,ab OR delay\*:ti,ab OR (24:ti,ab NEAR/2 hour\*:ti,ab NEAR/3 (within:ti,ab OR beyond:ti,ab)) OR early:ti,ab OR urgent:ti,ab OR elective:ti,ab OR emergen\*:ti,ab OR immediate:ti,ab))

**Results: 94**

**Scopus**

**LGIB**

TITLE-ABS(lower-gastrointestinal-bleed\*) OR TITLE-ABS(lower-gastrointestinal-hemorrhag\*) OR TITLE-ABS(lower-gastrointestinal-haemorrhag\*) OR TITLE-ABS(LGIB) OR TITLE-ABS(lower-GI-bleed\*) OR TITLE-ABS("rectal bleed\*") OR TITLE-ABS("rectal hemorrhag\*") OR TITLE-ABS("rectal haemorrhag\*") OR TITLE-ABS("colonic hemorrhag\*") OR TITLE-ABS("colonic haemorrhag\*") OR TITLE-ABS("colonic bleed\*") OR TITLE-ABS("diverticular bleed\*") OR TITLE-ABS("diverticular hemorrhag\*") OR TITLE-ABS("diverticular haemorrhag\*")

AND

**Colonoscopy Timing**

(INDEXTERMS(colonoscopy) AND INDEXTERMS("time factors")) OR TITLE-ABS((colonoscop\* OR coloscop\* OR sigmoidoscop\* OR proctosigmoidoscop\* OR endoscop\* OR ileocolonoscopy OR duodenoscopy OR rectoscopy ) W/2 (timing OR time OR delay\* OR (24 W/2 hour\* W/3 (within OR beyond )) OR early OR urgent OR elective OR emergen\* OR immediate ))

( LIMIT-TO ( PUBYEAR,2021) OR LIMIT-TO ( PUBYEAR,2020) OR LIMIT-TO ( PUBYEAR,2019) OR LIMIT-TO ( PUBYEAR,2018) OR LIMIT-TO ( PUBYEAR,2017) OR LIMIT-TO ( PUBYEAR,2016) OR LIMIT-TO ( PUBYEAR,2015) OR LIMIT-TO ( PUBYEAR,2014) OR LIMIT-TO ( PUBYEAR,2013) ) AND ( LIMIT-TO ( DOCTYPE,"ar" ) OR LIMIT-TO ( DOCTYPE,"re" ) ) AND ( LIMIT-TO ( LANGUAGE,"English" ) )

**Results: 107**

**Google Scholar**

(2013-2021 first 100 results)

LGIB|"lower gastrointestinal"|"lower GI" bleed|hemorrhage|haemorrhage early|emergent|urgent|emergency| "24 hours" colonoscopy

|  |  |
| --- | --- |
| PICO 10 | Treatment of Diverticular Bleeding  P: Patients with LGIB with stigmata of hemorrhage from diverticulosis  I: Performance of mechanical therapy, thermal therapy, epinephrine, hemostatic powders  C: Comparison between therapies  O: Endoscopic hemostasis, Rebleeding |

**Search run: 11 Dec 2021**

**Limits: 01 Dec 2013 – 01 Dec 2021**

**Humans, English**

**Total Articles Screened: 248**

**Irrelevant on first pass: 217**

**Excluded on full text review: 24**

**Final studies extracted: 7**

**PubMed**

**LGIB-Diverticular Bleeding**

(("Lower Gastrointestinal Tract"[Mesh] OR lower gastrointestin\*[tiab] OR lower intestin\*[tiab] OR lower-GI[tiab] OR lower GI[tiab] OR lower gastro-intestin\*[tiab] OR lower gastrointestin\*[tiab] OR lower gastro-intestin\*[tiab] OR lower-gastrointestinal-tract[tiab] OR lower-GI-tract[tiab] OR Diverticulum[Mesh] OR Meckel Diverticulum[Mesh] OR Diverticulum, Colon[Mesh] OR colonic diverticul\*[tiab] OR colon diverticul\*[tiab] OR diverticul\*[tiab]) AND (bleed\*[tiab] OR hemorrhag\*[tiab] OR haemorrhag\*[tiab])) OR colonic diverticular-bleed\*[tiab] OR diverticular-bleed\*[tiab] OR diverticular-hemorrhag\*[tiab] OR diverticular-haemorrhag\*[tiab] OR (stigmata[tiab] AND diverticul\*[tiab])

AND

**Therapies**

Mechanical-therap\*[tiab] OR endoscopic-band\*[tiab] OR endoscopic-band-ligation[tiab] OR endoscopic-clip\*[tiab] OR EBL[tiab] OR endoscopic-ligation[tiab] OR epinephrine[tiab] OR endoclip\*[tiab] OR hemoclip\*[tiab] OR haemoclip\*[tiab] OR over-the-scope clip[tiab] OR through-the-scope[tiab] OR cap-mounted[tiab] OR detachable-snare[tiab] OR ligation-therapy[tiab] OR clipping[tiab] OR band-ligation[tiab] OR thermocoagulat\*[tiab] OR thermal-therap\*[tiab] OR bipolar-coagulation[tiab] OR argon-plasma-coagulation[tiab] OR heater-probe[tiab] OR epinephrine[tiab] OR hemostatic-powder\*[tiab] OR haemostatic-powder\*[tiab] OR hemospray[tiab] OR haemospray[tiab]

("2013/12/01"[PDAT] : "2021/12/01"[PDAT]) OR ("2013/12/01"[EPDAT] : "2021/12/01"[EPDAT])

**Results: 194**

**OVID**

**LGIB-Diverticular Bleeding**

(exp "Lower Gastrointestinal Tract"/ or exp Diverticulum/ or Diverticulum, Colon/ or Meckel Diverticulum/) AND (hemorrhage/ or gastrointestinal hemorrhage/)

OR

(LGIB or diverticular-hemorrhag\* or diverticular-bleed\* or diverticular haemorrhag\* or ((lower-gastrointestin\* or lower-intestin or lower-GI or lower-gastro-intestin\* or

lower-gastrointestinal-tract or lower-GI-tract or colonic-diverticul\* or colon-diverticul\*

or diverticul\*) adj3 (bleed\* or rebleed\* or re-bleed\* or hemorrhag\* or haemorrhag\*))).ti,ab.

OR

(stigmata adj5 diverticul\*).ti,ab.

AND

**Therapies**

((mechanical-therap\* or endoscopic-band\* or endoscopic-ligation or endoscopic-clip\* or EBL or endoscopic-band-ligation or endoclip\* or hemoclip\* or haemoclip\* or over-the-scope or through-the-scope or cap-mounted or detachable-snare or ligation-therap\* or clip\* or band-ligation or thermal-therap\* or (thermal adj3 therap\*) or thermocoagul\* or thermocoagulant\* or bipolar-coagulation or argon-plasma-coagulation or heater-probe or epinephrine or hemostatic-powder\* or haemostatic-powder\* or hemospray or haemospray)).ti,ab.

limit to dt=20131201-20211201

**Results: 111**

**Embase**

**LGIB-Diverticular Bleeding**

(Lower gastrointestinal tract/ or exp diverticulosis/) AND (gastrointestinal hemorrhage/ or hemorrhage/)

OR

(LGIB or diverticular-hemorrhag\* or diverticular-bleed\* or diverticular haemorrhag\* or (stigmata adj5 diverticul\*) or ((lower-gastrointestin\* or lower-intestin or lower-GI or lower-gastro-intestin\* or lower-gastrointestinal-tract or lower-GI-tract or colonic-diverticul\* or colon-diverticul\* or diverticul\*) adj3 (bleed\* or rebleed\* or re-bleed\* or hemorrhag\* or haemorrhag\*))).ti,ab.

AND

**Therapies**

((mechanical-therap\* or endoscopic-band\* or endoscopic-ligation or endoscopic-clip\* or EBL or endoscopic-band-ligation or endoclip\* or hemoclip\* or haemoclip\* or over-the-scope or through-the-scope or cap-mounted or detachable-snare or ligation-therap\* or clip\* or band-ligation or thermal-therap\* or (thermal adj3 therap\*) or thermocoagul\* or thermocoagulant\* or bipolar-coagulation or argon-plasma-coagulation or heater-probe or epinephrine or hemostatic-powder\* or haemostatic-powder\* or hemospray or haemospray)).ti,ab.

**Results: 137**

**Cochrane**

**LGIB-Diverticular Bleeding**

(([mh "Lower Gastrointestinal Tract"] OR ("lower" NEXT gastrointestin\*):ti,ab OR ("lower" NEXT intestin\*):ti,ab OR lower-GI:ti,ab OR "lower GI":ti,ab OR ("lower" NEXT gastro-intestin\*):ti,ab OR ("lower" NEXT gastrointestin\*):ti,ab OR ("lower" NEXT gastro-intestin\*):ti,ab OR lower-gastrointestinal-tract:ti,ab OR lower-GI-tract:ti,ab OR [mh Diverticulum] OR [mh "Meckel Diverticulum"] OR [mh "Diverticulum, Colon"] OR ("colonic" NEXT diverticul\*):ti,ab OR ("colon" NEXT diverticul\*):ti,ab OR diverticul\*:ti,ab) AND (bleed\*:ti,ab OR hemorrhag\*:ti,ab OR haemorrhag\*:ti,ab)) OR ("colonic" NEXT diverticular-bleed\*):ti,ab OR diverticular-bleed\*:ti,ab OR diverticular-hemorrhag\*:ti,ab OR diverticular-haemorrhag\*:ti,ab

**AND**

**Therapies**

Mechanical-therap\*:ti,ab OR endoscopic-band\*:ti,ab OR endoscopic-band-ligation:ti,ab OR endoscopic-clip\*:ti,ab OR EBL:ti,ab OR endoscopic-ligation:ti,ab OR epinephrine:ti,ab OR endoclip\*:ti,ab OR hemoclip\*:ti,ab OR haemoclip\*:ti,ab OR "over-the-scope clip":ti,ab OR through-the-scope:ti,ab OR cap-mounted:ti,ab OR detachable-snare:ti,ab OR ligation-therapy:ti,ab OR clipping:ti,ab OR band-ligation:ti,ab OR thermocoagulat\*:ti,ab OR thermal-therap\*:ti,ab OR bipolar-coagulation:ti,ab OR argon-plasma-coagulation:ti,ab OR heater-probe:ti,ab OR epinephrine:ti,ab OR hemostatic-powder\*:ti,ab OR haemostatic-powder\*:ti,ab OR hemospray:ti,ab OR haemospray:ti,ab

**Results: 29**

**Scopus**

**LGIB-Diverticular Bleeding**

((INDEXTERMS("Lower Gastrointestinal Tract") OR TITLE-ABS("lower gastrointestin\*") OR INDEXTERMS(Diverticulum) OR INDEXTERMS("Meckel Diverticulum") OR INDEXTERMS("Diverticulum, Colon") OR TITLE-ABS("colonic diverticul\*") OR TITLE-ABS("colon diverticul\*") OR TITLE-ABS(diverticul\*)) AND (TITLE-ABS(bleed\*) OR TITLE-ABS(hemorrhag\*) OR TITLE-ABS(haemorrhag\*))) OR TITLE-ABS("colonic diverticular-bleed\*") OR TITLE-ABS(diverticular-bleed\*) OR TITLE-ABS(diverticular-hemorrhag\*) OR TITLE-ABS(diverticular-haemorrhag\*)

AND

**Therapies**

TITLE-ABS(Mechanical-therap\*) OR TITLE-ABS(endoscopic-band\*) OR TITLE-ABS(endoscopic-band-ligation) OR TITLE-ABS(endoscopic-clip\*) OR TITLE-ABS(EBL) OR TITLE-ABS(endoscopic-ligation) OR TITLE-ABS(epinephrine) OR TITLE-ABS(endoclip\*) OR TITLE-ABS(hemoclip\*) OR TITLE-ABS(haemoclip\*) OR TITLE-ABS("over-the-scope clip") OR TITLE-ABS(through-the-scope) OR TITLE-ABS(cap-mounted) OR TITLE-ABS(detachable-snare) OR TITLE-ABS(ligation-therapy) OR TITLE-ABS(clipping) OR TITLE-ABS(band-ligation) OR TITLE-ABS(thermocoagulat\*) OR TITLE-ABS(thermal-therap\*) OR TITLE-ABS(bipolar-coagulation) OR TITLE-ABS(argon-plasma-coagulation) OR TITLE-ABS(heater-probe) OR TITLE-ABS(epinephrine) OR TITLE-ABS(hemostatic-powder\*) OR TITLE-ABS(haemostatic-powder\*) OR TITLE-ABS(hemospray) OR TITLE-ABS(haemospray)

**Results: 103**

**Google Scholar**

**(2013-2021 first 100 results)**

LGIB|diverticular hemorrage|bleed mechanical|thermal|epinephrine||"endoscopic clip"|"over the scope"|"hemostatic powder"|"detachable snare"|ligation

|  |  |
| --- | --- |
| PICO 11 | Resumption of Antiplatelets following LGIB  P: Patients with LGIB (including diverticular hemorrhage) who are on antiplatelets/NSAIDs  I: Resumption of aspirin, non-aspirin antiplatelets, or NSAIDs  C: No resumption of these medications  O: Recurrent bleeding, Ischemic complications |

**Search run: 11 Dec 2021**

**Limits: 01 Dec 2013 – 01 Dec 2021**

**Humans, English**

**Total Articles Screened: 393**

**Irrelevant on first pass: 379**

**Excluded on full text review: 7**

**Final studies extracted: 7**

**PubMed**

**LGIB**

(("Lower Gastrointestinal Tract"[Mesh] OR lower gastrointestin\*[tiab] OR lower intestin\*[tiab] OR lower-GI[tiab] OR lower GI[tiab] OR lower gastro-intestin\*[tiab] OR lower gastrointestin\*[tiab] OR lower gastro-intestin\*[tiab] OR lower-gastrointestinal-tract[tiab] OR lower-GI-tract[tiab] OR anal[tiab] OR anus[tiab] OR diverticul\*[tiab] OR colon[tiab] OR colonic[tiab] OR rectum[tiab] OR rectal[tiab] OR colorectal[tiab] OR cecum[tiab] OR caecum[tiab] OR jejunum[tiab] OR cloaca[tiab] OR gut[tiab] OR ileum[tiab] OR lower-intestin\*[tiab] OR large-intestin\*[tiab] OR small-intestin\*[tiab] OR bowel[tiab] OR mesenteric[tiab]) AND ("Gastrointestinal Hemorrhage"[Mesh] OR hemorrhag\*[tiab] OR haemorrhag\*[tiab] OR bleed\*[tiab] OR re-bleed\*[tiab] OR rebleed\*[tiab] OR severe-bleed\*[tiab] OR active-bleed\*[tiab] OR acute-bleed\*[tiab] OR acute-hemorrhag\*[tiab] OR acute-haemorrhag\*[tiab] OR blood loss\*[tiab] OR melena[tiab] OR hematochezia[tiab] OR haematochezia[tiab])) OR lower-gastrointestinal-bleed\*[tiab] OR lower-gastrointestinal-hemorrhag\*[tiab] OR lower-gastrointestinal-haemorrhag\*[tiab] OR LGIB[tiab] OR lower-GI-bleed\*[tiab] OR rectal bleed\*[tiab] OR rectal hemorrhag\*[tiab] OR rectal haemorrhag\*[tiab] OR colonic hemorrhag\*[tiab] OR colonic haemorrhag\*[tiab] OR colonic bleed\*[tiab] OR diverticular bleed\*[tiab] OR diverticular hemorrhag\*[tiab] OR diverticular haemorrhag\*[tiab]

**Antiplatelets/NSAIDs/Aspirin**

Platelet aggregation inhibitors[Mesh] OR "Dual Anti-Platelet Therapy"[Mesh] OR Aspirin[Mesh] OR Clopidogrel[Mesh] OR "Anti-Inflammatory Agents, Non-Steroidal"[Mesh] OR "Platelet Aggregation Inhibitors" [Pharmacological Action] OR "Anti-Inflammatory Agents, Non-Steroidal" [Pharmacological Action] OR aspirin[tiab] OR NSAID\*[tiab] OR acetylsalicylic-acid[tiab] OR non-steroidal-anti-inflammatory[tiab] OR antiplatelet\*[tiab] OR platelet-inhibitor\*[tiab] OR platelet-aggregation-inhibitor\*[tiab] OR nonsteroidal anti-inflammatory[tiab] OR nonsteroid anti-inflammatory[tiab] OR aspirin[tiab] OR clopidogrel[tiab]

OR

**Resumption of aspirin/NSAID/antiplatelet/clopidogrel**

((Restart\*[tiab] OR resum\*[tiab] OR contin\*[tiab] OR receiv\*[tiab]) AND (aspirin[tiab] or clopidogrel[tiab] OR antiplatelet\*[tiab] OR NSAID\*[tiab] OR non-steroid\*[tiab] OR nonsteroid[tiab]))

**Risk Factors**

Risk factors[Mesh] OR risk-factor\*[tiab] OR ((recur\*[tiab] OR incidence[tiab] OR drug-induced[tiab]) AND (bleed\*[tiab])) OR adverse-effect\*[tiab] OR re-bleed\*[tiab] OR rebleed\*[tiab] OR

("2013/12/01"[PDAT] : "2021/12/01"[PDAT]) OR ("2013/12/01"[EPDAT] : "2021/12/01"[EPDAT])

**Results: 194**

**OVID**

**LGIB**

Lower gastrointestinal tract/ and (gastrointestinal hemorrhage/ or hemorrhage/) or (LGIB or LIB or ((lower-gi or lower-gastro-intestin\* or lower-gastrointestin\* or lower-intestin\* or anal or anus or diverticul\* or small-intestin\* or small-bowel or colon or colonic or rectum or rectal or colorectal or cecum or caecum or jejunum or cloaca or gut or ileum or bowel or mesenteric) adj (hemorrhag\* or haemorrhag\* or bleed\* or rebleed\* or re-bleed\* or hematochezia or haematochezia or melena))).ti,ab.

AND

**Antiplatelets/NSAIDs/Aspirin**

(exp platelet aggregation inhibitors/ or exp dual anti-platelet therapy/ or aspirin/ or clopidogrel/ or exp anti-inflammatory agents, non-steroidal/ or (aspirin or clopidogrel or NSAID\* or acetylsalicylic-acid or antiplatelet\* or anti-platelet\* or platelet-inhibitor\* or (platelet adj3 inhibitor\*) or ((non-steroid\* or nonsteroid\*) adj (anti-inflammatory or antiinflammatory))).ti,ab.)

OR

((non-steroid\* or nonsteroid\*) adj (anti-inflammatory or antiinflammatory) adj (drug\* or agent\*)).ti,ab.

OR

**Resumption of aspirin/NSAID/antiplatelet/clopidogrel**

(Restart\*-aspirin or Resum\*-aspirin or Contin\*-aspirin or Receiv\*-aspirin).ti,ab. or (Restart\*-clopidogrel or Resum\*-clopidogrel or Contin\*-clopidogrel or Receiv\*-clopidogrel).ti,ab. or (Restart\*-antiplatelet\* or Resum\*-antiplatelet\* or Contin\*-antiplatelet\* or Receiv\*-antiplatelet\*).ti,ab. or (Restart\*-NSAID\* or Resum\*-NSAID\* or Contin\*-NSAID\* or Receiv\*-NSAID\*).ti,ab. or (Restart\*-non-steroid\* or Resum\*-non-steroid\* or Contin\*-non-steroid\* or Receiv\*-non-steroid\*).ti,ab. or (Restart\*-nonsteroid\* or Resum\*-nonsteroid\* or Contin\*-nonsteroid\* or Receiv\*-nonsteroid\*).ti,ab.

**Risk Factors**

((Re-bleed\* or rebleed\* or (recur\* adj3 bleed\*) or adverse-effect\* or (risk adj3 bleed\*) or drug-induced or risk-factor\* or incidence)).ti,ab.

limit to dt=20131201-20211201

**Results: 90**

**Embase (Ovid)**

**LGIB**

Lower gastrointestinal tract/ and (gastrointestinal hemorrhage/ or hemorrhage/) or (LGIB or LIB or ((lower-gi or lower-gastro-intestin\* or lower-gastrointestin\* or lower-intestin\* or anal or anus or diverticul\* or small-intestin\* or small-bowel or colon or colonic or rectum or rectal or colorectal or cecum or caecum or jejunum or cloaca or gut or ileum or bowel or mesenteric) adj (hemorrhag\* or haemorrhag\* or bleed\* or rebleed\* or re-bleed\* or hematochezia or haematochezia or melena))).ti,ab.

AND

**Antiplatelets/NSAIDs/Aspirin**

(exp acetylsalicylic acid/ or exp nonsteroid antiinflammatory agent/ or (aspirin or clopidogrel or NSAID\* or acetylsalicylic-acid or antiplatelet\* or anti-platelet\*or platelet-inhibitor\* or (platelet adj3 inhibitor\*) or ((non-steroid\* or nonsteroid\* or "non steroid") adj (anti-inflammatory or antiinflammatory or "anti inflammatory"))).ti,ab.)

OR

**Resumption of aspirin/NSAID/antiplatelet/clopidogrel**

(Restart\*-aspirin or Resum\*-aspirin or Contin\*-aspirin or Receiv\*-aspirin).ti,ab. or (Restart\*-clopidogrel or Resum\*-clopidogrel or Contin\*-clopidogrel or Receiv\*-clopidogrel).ti,ab. or (Restart\*-antiplatelet\* or Resum\*-antiplatelet\* or Contin\*-antiplatelet\* or Receiv\*-antiplatelet\*).ti,ab. or (Restart\*-NSAID\* or Resum\*-NSAID\* or Contin\*-NSAID\* or Receiv\*-NSAID\*).ti,ab. or (Restart\*-non-steroid\* or Resum\*-non-steroid\* or Contin\*-non-steroid\* or Receiv\*-non-steroid\*).ti,ab. or (Restart\*-nonsteroid\* or Resum\*-nonsteroid\* or Contin\*-nonsteroid\* or Receiv\*-nonsteroid\*).ti,ab.

**Risk Factors**

((Re-bleed\* or rebleed\* or (recur\* adj3 bleed\*) or adverse-effect\* or (risk adj3 bleed\*) or drug-induced or risk-factor\* or incidence)).ti,ab.

Limit to yr= "2013 - 2021"

**Results: 183**

**Cochrane**

**LGIB**

(([mh "Lower Gastrointestinal Tract"] OR ("lower" NEXT gastrointestin\*):ti,ab OR ("lower" NEXT intestin\*):ti,ab OR lower-GI:ti,ab OR "lower GI":ti,ab OR ("lower" NEXT gastro-intestin\*):ti,ab OR ("lower" NEXT gastrointestin\*):ti,ab OR ("lower" NEXT gastro-intestin\*):ti,ab OR lower-gastrointestinal-tract:ti,ab OR lower-GI-tract:ti,ab OR anal:ti,ab OR anus:ti,ab OR diverticul\*:ti,ab OR colon:ti,ab OR colonic:ti,ab OR rectum:ti,ab OR rectal:ti,ab OR colorectal:ti,ab OR cecum:ti,ab OR caecum:ti,ab OR jejunum:ti,ab OR cloaca:ti,ab OR gut:ti,ab OR ileum:ti,ab OR lower-intestin\*:ti,ab OR large-intestin\*:ti,ab OR small-intestin\*:ti,ab OR bowel:ti,ab OR mesenteric:ti,ab) AND ([mh "Gastrointestinal Hemorrhage"] OR hemorrhag\*:ti,ab OR haemorrhag\*:ti,ab OR bleed\*:ti,ab OR re-bleed\*:ti,ab OR rebleed\*:ti,ab OR severe-bleed\*:ti,ab OR active-bleed\*:ti,ab OR acute-bleed\*:ti,ab OR acute-hemorrhag\*:ti,ab OR acute-haemorrhag\*:ti,ab OR ("blood" NEXT loss\*):ti,ab OR melena:ti,ab OR hematochezia:ti,ab OR haematochezia:ti,ab)) OR lower-gastrointestinal-bleed\*:ti,ab OR lower-gastrointestinal-hemorrhag\*:ti,ab OR lower-gastrointestinal-haemorrhag\*:ti,ab OR LGIB:ti,ab OR lower-GI-bleed\*:ti,ab OR ("rectal" NEXT bleed\*):ti,ab OR ("rectal" NEXT hemorrhag\*):ti,ab OR ("rectal" NEXT haemorrhag\*):ti,ab OR ("colonic" NEXT hemorrhag\*):ti,ab OR ("colonic" NEXT haemorrhag\*):ti,ab OR ("colonic" NEXT bleed\*):ti,ab OR ("diverticular" NEXT bleed\*):ti,ab OR ("diverticular" NEXT hemorrhag\*):ti,ab OR ("diverticular" NEXT haemorrhag\*):ti,ab

AND

**Antiplatelets/NSAIDs/Aspirin**

[mh "Platelet aggregation inhibitors"] OR [mh Aspirin] OR aspirin:ti,ab OR [mh "Anti-Inflammatory Agents, Non-Steroidal"] OR "Platelet Aggregation Inhibitors" OR "Anti-Inflammatory Agents, Non-Steroidal" OR NSAID\*:ti,ab OR non-steroidal-anti-inflammatory:ti,ab OR antiplatelets:ti,ab OR "nonsteroidal anti-inflammatory":ti,ab

OR

**Resumption of aspirin/NSAID/antiplatelet/clopidogrel**

((Restart\*:ti,ab OR resum\*:ti,ab OR contin\*:ti,ab OR receiv\*:ti,ab) AND (aspirin:ti,ab OR clopidogrel:ti,ab OR antiplatelet\*:ti,ab OR NSAID\*:ti,ab OR non-steroid\*:ti,ab OR nonsteroid:ti,ab))

**Results: 50**

**Scopus**

**LGIB**

TITLE-ABS(lower-gastrointestinal-bleed\*) OR TITLE-ABS(lower-gastrointestinal-hemorrhag\*) OR TITLE-ABS(lower-gastrointestinal-haemorrhag\*) OR TITLE-ABS(LGIB) OR TITLE-ABS(lower-GI-bleed\*) OR TITLE-ABS("rectal bleed\*") OR TITLE-ABS("rectal hemorrhag\*") OR TITLE-ABS("rectal haemorrhag\*") OR TITLE-ABS("colonic hemorrhag\*") OR TITLE-ABS("colonic haemorrhag\*") OR TITLE-ABS("colonic bleed\*") OR TITLE-ABS("diverticular bleed\*") OR TITLE-ABS("diverticular hemorrhag\*") OR TITLE-ABS("diverticular haemorrhag\*")

AND

**Antiplatelets/NSAIDs/Aspirin**

INDEXTERMS("Platelet aggregation inhibitors") OR INDEXTERMS(Aspirin) OR TITLE-ABS(aspirin) OR INDEXTERMS("Anti-Inflammatory Agents, Non-Steroidal") OR ALL("Platelet Aggregation Inhibitors") OR ALL("Anti-Inflammatory Agents, Non-Steroidal") OR TITLE-ABS(NSAID\*) OR TITLE-ABS(non-steroidal-anti-inflammatory) OR TITLE-ABS(antiplatelets) OR TITLE-ABS("nonsteroidal anti-inflammatory")

OR

**Resumption of aspirin/NSAID/antiplatelet/clopidogrel**

((TITLE-ABS(Restart\*) OR TITLE-ABS(resum\*) OR TITLE-ABS(contin\*) OR TITLE-ABS(receiv\*)) W/3 (TITLE-ABS(aspirin) OR TITLE-ABS(clopidogrel) OR TITLE-ABS(antiplatelet\*) OR TITLE-ABS(NSAID\*) OR TITLE-ABS(non-steroid\*) OR TITLE-ABS(nonsteroid)))

**Results: 83**

**Google Scholar**

(2013-2021 first 100 results)

LGIB|"Lower gastrointestinal bleed"|diverticular aspirin|antiplatelet|NSAID|clopidogrel

OR

LGIB|"Lower gastrointestinal bleed"|diverticular aspirin|antiplatelet|NSAID|clopidogrel re-bleed|rebleed|continue|resume|restart

|  |  |
| --- | --- |
| PICO 12 | Resumption of Anticoagulants following LGIB  P: Patients with LGIB (including diverticular hemorrhage) on anticoagulants  I: Resumption of anticoagulant medication  C: No resumption of anticoagulant medication  O: Rebleeding, Prevention of Thromboembolism/Ischemic complications, mortality |

**Medline via PubMed Search: 1199 results**

**Filters:** English, Humans, (no country limit)

Date filter: Dec 1, 2013 – Dec 31, 2021

**Search last run: Dec 21, 2021**

**Total Articles Screened: 1892**

**Irrelevant on first pass: 1865**

**Excluded on full text review: 21**

**Final studies extracted: 10 (4 manually added)**

**Databases: PubMed, Embase, Scopus, Cochrane, & Google Scholar (first 100 results)**

**LGIB Concept:**

(LIB[tiab] OR LGIB[tiab] OR "acute lower gastrointestinal bleeding"[tiab] OR ALGIB[tiab] OR "Gastrointestinal Hemorrhage"[Mesh] OR gastrointestinal-hemorrhag\*[tiab] OR gastrointestinal-haemorrhag\*[tiab] OR "gastrointestinal-bleed\*"[tiab] OR GIB[tiab] OR rebleed\*[tiab] OR re-bleed\*[tiab] OR blood-loss\*[tiab] OR "blood loss"[tiab] OR "Diverticular-bleed\*"[tiab] OR "Diverticular-hemorrhag\*"[tiab] OR "Diverticular-haemorrhag\*"[tiab])

**Resumption of Anticoagulants concept:**

("Anticoagulants"[Mesh] OR anti-coagulat\*[tiab] OR anticoagulat\*[tiab] anti-coagulant\*[tiab] OR anticoagulant\*[tiab] OR oral-anticoagula\*[tiab] OR DOAC\*[tiab] OR "direct oral anticoagulants"[tiab])

Date:

(2013/12/01[PDAT]:2021/12/31[PDAT]) OR (2013/12/01[EPDAT]:2021/12/31[EPDAT])

Human:

NOT (animals[mesh] NOT humans[mesh])

English:

AND (english[Filter])

**Embase Search: 424 results**

**Filters:** Exclude Medine;English; Humans; (no country limit); Articles, Reviews

Date filter: Dec 1, 2013 – Dec 31, 2021

**Last run: Dec 21, 2021**

('large intestine'/exp OR 'lower gastrointestinal tract'/exp OR 'lower gastrointestinal':ti,ab OR 'lower gastro-intestinal':ti,ab OR 'lower intestinal':ti,ab OR 'lower intestine':ti,ab OR 'lower gi':ti,ab OR anal:ti,ab OR anus:ti,ab OR rectal:ti,ab OR rectum:ti,ab OR colon:ti,ab OR colonic:ti,ab OR colorectal:ti,ab OR cecum:ti,ab OR caecum:ti,ab OR diverticula\*:ti,ab OR jejunum:ti,ab OR cloaca:ti,ab OR gut:ti,ab OR ileum:ti,ab OR bowel:ti,ab OR mesenteric:ti,ab) AND (lib:ti,ab OR lgib:ti,ab OR 'gastrointestinal hemorrhage'/exp OR 'gastrointestinal hemorrhag\*':ti,ab OR 'gastrointestinal haemorrhag\*':ti,ab OR 'gastrointestinal bleed\*':ti,ab OR bleed\*:ti,ab OR rebleed\*:ti,ab OR 're bleed\*':ti,ab OR 'blood loss\*':ti,ab OR 'blood loss':ti,ab OR hemorrhag\*:ti,ab OR haemorrhag\*:ti,ab) OR (hematochezia:ti,ab OR haematochezia:ti,ab OR 'diverticular bleed\*':ti,ab OR 'diverticular hemorrhag\*':ti,ab OR 'diverticular haemorrhag\*':ti,ab OR melena:ti,ab OR melaena:ti,ab OR proctorrhagi\*:ti,ab OR rectocolic\*:ti,ab OR rectorrhagi\*:ti,ab OR LGIB:ti,ab OR LIB:ti,ab) AND ('anticoagulant agent'/exp OR anti-coagulat\*:ti,ab OR anticoagulat\*:ti,ab OR anti-coagulant\*:ti,ab OR anticoagulant\*:ti,ab OR oral-anticoagula\*:ti,ab OR DOAC\*:ti,ab OR 'direct oral anticoagulants':ti,ab) AND [embase]/lim NOT ([embase]/lim AND [medline]/lim) AND ('article'/it OR 'review'/it) AND [31-12-2013]/sd NOT [1-1-2022]/sd AND [humans]/lim AND [english]/lim AND [abstracts]/lim

**Scopus Search: 123 results**

**Filters:** Exclude Medline; 2013-2021; English; Human; Articles/Reviews

**Last run:** Dec 21, 2021

**Copy/paste in advanced search:**

(TITLE-ABS((("Large Intestine" OR "Lower Gastrointestinal Tract" OR "lower gastrointestinal" OR "lower gastro-intestinal" OR "lower intestinal" OR "lower intestine" OR lower-GI OR "lower GI" OR anal OR anus OR rectal OR rectum OR colon OR colonic OR colorectal OR cecum OR caecum OR diverticula\* OR jejunum OR cloaca OR gut OR ileum OR bowel OR mesenteric) AND (LIB OR LGIB OR "Gastrointestinal Hemorrhage" OR gastrointestinal-hemorrhag\* OR gastrointestinal-haemorrhag\* OR gastrointestinal-bleed\* OR bleed\* OR rebleed\* OR re-bleed\* OR blood-loss\* OR "blood loss" OR hemorrhag\* OR haemorrhag\*)) OR ((Hematochezia OR Haematochezia OR Diverticular-bleed\* OR Diverticular-hemorrhag\* OR Diverticular-haemorrhag\* OR Melena OR melaena OR proctorrhagi\* OR rectocolic\* OR rectorrhagi\* OR LGIB OR LIB)))) AND (TITLE-ABS({anticoagulant agent} OR anti-coagulat\* OR anticoagulat\* OR anti-coagulant\* OR anticoagulant\* OR oral-anticoagula\* OR DOAC\* OR {direct oral anticoagulants})) AND NOT INDEX(Medline) AND ( LIMIT-TO ( DOCTYPE,"ar" ) OR LIMIT-TO ( DOCTYPE,"re" ) ) AND ( LIMIT-TO ( PUBYEAR,2021) OR LIMIT-TO ( PUBYEAR,2020) OR LIMIT-TO ( PUBYEAR,2019) OR LIMIT-TO ( PUBYEAR,2018) OR LIMIT-TO ( PUBYEAR,2016) OR LIMIT-TO ( PUBYEAR,2015) OR LIMIT-TO ( PUBYEAR,2014) ) AND ( LIMIT-TO ( LANGUAGE,"English" ) )

**Cochrane Search: 224 results (219 trials; 5 reviews)**

**Filters:** 12/31/2013-12/31/2021; English

Search Name: PICO#5\_Sengupta\_Cochrane213\_Dec2021

Date Run: 21/12/2021 16:27:16

ID Search Hits

#1 MeSH descriptor: [Intestine, Large] explode all trees 3349

#2 MeSH descriptor: [Lower Gastrointestinal Tract] explode all trees 3828

#3 ("lower gastrointestinal" OR "lower gastro-intestinal" OR "lower intestinal" OR "lower intestine" OR lower-GI OR "lower GI" OR anal OR anus OR rectal OR rectum OR colon OR colonic OR colorectal OR cecum OR caecum OR diverticula\* OR jejunum OR cloaca OR gut OR ileum OR bowel OR mesenteric):ti,ab,kw 68232

#4 #1 OR #2 OR #3 68293

#5 MeSH descriptor: [Gastrointestinal Hemorrhage] explode all trees 2022

#6 (LIB OR LGIB OR gastrointestinal-hemorrhag\* OR gastrointestinal-haemorrhag\* OR "gastrointestinal-bleed\*" OR bleed\* OR rebleed\* OR re-bleed\* OR blood-loss\* OR "blood loss" OR hemorrhag\* OR haemorrhag\*):ti,ab,kw 77155

#7 #5 OR #6 77172

#8 (Hematochezia OR Haematochezia OR "Diverticular-bleed\*" OR "Diverticular-hemorrhag\*" OR "Diverticular-haemorrhag\*" OR Melena OR melaena OR proctorrhagi\* OR rectocolic\* OR rectorrhagi\* OR LGIB OR LIB):ti,ab,kw 804

#9 #7 OR #8 77301

#10 #4 AND #9 5595

#11 MeSH descriptor: [Anticoagulants] explode all trees 4876

#12 ("anticoagulant agent" OR anti-coagulat\* OR anticoagulat\* OR anti-coagulant\* OR anticoagulant\* OR oral-anticoagula\* OR DOAC\* OR "direct oral anticoagulants"):ti,ab,kw 14989

#13 #11 OR #12 15315

#14 #10 AND #13 with Cochrane Library publication date Between Dec 2013 and Dec 2021 224

**Google Scholar (First 100 results only, sorted by relevancy)**

**Last search ran: Dec 21, 2021**

**Filters:** 2013-2021; English

(LGIB OR LIB OR "Lower gastrointestinal bleeding" OR "Lower Gastrointestinal Hemorrhage") AND anticoagulant\*