

Supplementary material

Supplementary Table 1. Search in PubMed

SEARCH	RESULTS
(gastrointestinal endoscopy[MeSH Terms]) OR (gastrointestinal endoscopy[All Fields]) OR (endoscopy[MeSH Terms]) OR (endoscopy[All Fields]) OR (endoscopic procedure[All Fields]) OR (endoscop*[All Fields])) AND ((acute coronary syndrome[MeSH Terms]) OR (acute coronary syndrome[All Fields]) OR (acute myocardial ischemia[All Fields]) OR (unstable angina[All Fields]) OR (ACS[All Fields]) OR (acute myocardial infarction[MeSH Terms]) OR (acute myocardial infarction[All Fields]) OR (myocardial infarction[MeSH Terms]) OR (myocardial infarction[All Fields]) OR (acute coronary event[All Fields]) OR (AMI[All Fields]) OR (MI[All Fields]) OR (post-myocardial infarction[All Fields]) OR (post-MI[All Fields]) OR (post-ACS[All Fields]) OR (ischemic heart disease[MeSH Terms]) OR (ischemic heart disease[All Fields]) OR (coronary artery disease[MeSH Terms]) OR (coronary artery disease[All Fields]) OR (CAD[All Fields]) OR (heart attack[All Fields]) OR (coronary syndrome[All Fields])) AND ((gastrointestinal bleeding[MeSH Terms]) OR (gastrointestinal bleeding[All Fields]) OR (gastrointestinal hemorrhage[MeSH Terms]) OR (gastrointestinal hemorrhage[All Fields]) OR (GI bleeding[All Fields]) OR (GI hemorrhage[All Fields]) OR (upper gastrointestinal bleeding[MeSH Terms]) OR (upper gastrointestinal bleeding[All Fields]) OR (lower gastrointestinal bleeding[MeSH Terms]) OR (lower gastrointestinal bleeding[All Fields]) OR (GIB[All Fields]) OR (LGIB[All Fields]) OR (hematemesis[MeSH Terms]) OR (hematemesis[All Fields]) OR	1161

(melena[MeSH Terms]) OR (melena[All Fields]) OR (rectal bleeding[All Fields]))	
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Supplementary Table 2. Search in Embase Search

SEARCH	RESULTS
('gastrointestinal endoscopy'/exp OR 'endoscopy'/exp OR 'endoscopic procedure':ti,ab OR endoscop*:ti,ab) AND ('acute coronary syndrome'/exp OR 'acute myocardial ischemia'/exp OR 'unstable angina'/exp OR ACS:ti,ab OR 'acute myocardial infarction'/exp OR 'myocardial infarction'/exp OR 'acute coronary event':ti,ab OR AMI:ti,ab OR MI:ti,ab OR 'post- myocardial infarction':ti,ab OR 'post-MI':ti,ab OR 'post-ACS':ti,ab OR 'ischemic heart disease'/exp OR 'coronary artery disease'/exp OR CAD:ti,ab OR 'heart attack':ti,ab OR 'coronary syndrome':ti,ab) AND ('gastrointestinal bleeding'/exp OR 'gastrointestinal hemorrhage'/exp OR 'GI bleeding':ti,ab OR 'GI hemorrhage':ti,ab OR 'upper gastrointestinal bleeding'/exp OR 'lower gastrointestinal bleeding'/exp OR UGIB:ti,ab OR LGIB:ti,ab OR 'hematemesis'/exp OR 'melena'/exp OR 'rectal bleeding':ti,ab)	2525

Supplementary Table 3. Search in Web of Sciences

SEARCH	RESULTS
TS=((("gastrointestinal endoscopy" OR "endoscopy" OR "endoscopic procedure" OR endoscop*)) AND	218

("acute coronary syndrome" OR "acute myocardial ischemia" OR "unstable angina" OR ACS OR "acute myocardial infarction" OR "myocardial infarction" OR "acute coronary event" OR AMI OR MI OR "post-myocardial infarction" OR "post-MI" OR "post-ACS" OR "ischemic heart disease" OR "coronary artery disease" OR CAD OR "heart attack" OR "coronary syndrome") AND ("gastrointestinal bleeding" OR "gastrointestinal hemorrhage" OR "GI bleeding" OR "GI hemorrhage" OR "upper gastrointestinal bleeding" OR "lower gastrointestinal bleeding" OR UGIB OR LGIB OR hematemesis OR melena OR "rectal bleeding"))	
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Supplementary Table 4. Search in Cochrane

ID	Search	Hits
#1	MeSH descriptor: [Endoscopy, Gastrointestinal] explode all trees	6449
#2	(endoscop* OR "endoscopic procedure"):ti,ab,kw	37519
#3	#1 OR #2	39579
#4	MeSH descriptor: [Acute Coronary Syndrome] explode all trees	3124
#5	(ACS OR "acute coronary syndrome" OR "acute myocardial infarction" OR "myocardial infarction" OR AMI OR MI OR "unstable angina" OR "acute myocardial ischemia" OR "acute coronary event" OR "ischemic heart disease" OR "coronary artery disease" OR CAD OR "heart attack" OR "post-myocardial	76605

	infarction" OR "post-MI" OR "post-ACS" OR "coronary syndrome"):ti,ab,kw	
#6	#4 OR #5	76605
#7	MeSH descriptor: [Gastrointestinal Hemorrhage] explode all trees	2566
#8	("gastrointestinal bleeding" OR "GI bleeding" OR "upper gastrointestinal bleeding" OR "lower gastrointestinal bleeding" OR UGIB OR LGIB OR hematemesis OR melena OR "rectal bleeding"):ti,ab,kw	4841
#9	#7 OR #8	6514
#10	#3 AND #6 AND #9	71

Supplementary Table 5. Search in CINAHL

SEARCH	RESULTS
(MH "Gastrointestinal Endoscopy" OR TI "gastrointestinal endoscopy" OR AB "gastrointestinal endoscopy" OR TI "endoscopic procedure" OR AB "endoscopic procedure" OR TI endoscop* OR AB endoscop*) AND (MH "Acute Coronary Syndrome" OR TI "acute coronary syndrome" OR AB "acute coronary syndrome" OR TI "acute myocardial ischemia" OR AB "acute myocardial ischemia" OR TI "unstable angina" OR AB "unstable angina" OR TI ACS OR AB ACS OR MH "Myocardial Infarction" OR TI "acute myocardial infarction" OR AB "acute myocardial infarction" OR TI "myocardial infarction" OR AB "myocardial infarction" OR TI "acute coronary event" OR AB "acute coronary event" OR TI AMI OR AB AMI OR	21

TI MI OR AB MI OR TI "post-myocardial infarction" OR AB "post-myocardial infarction" OR TI "post-MI" OR AB "post-MI" OR TI "post-ACS" OR AB "post-ACS" OR MH "Ischemic Heart Disease" OR TI "ischemic heart disease" OR AB "ischemic heart disease" OR MH "Coronary Artery Disease" OR TI "coronary artery disease" OR AB "coronary artery disease" OR TI CAD OR AB CAD OR TI "heart attack" OR AB "heart attack" OR TI "coronary syndrome" OR AB "coronary syndrome") AND (MH "Gastrointestinal Hemorrhage" OR TI "gastrointestinal bleeding" OR AB "gastrointestinal bleeding" OR TI "gastrointestinal hemorrhage" OR AB "gastrointestinal hemorrhage" OR TI "GI bleeding" OR AB "GI bleeding" OR TI "GI hemorrhage" OR AB "GI hemorrhage" OR MH "Upper Gastrointestinal Hemorrhage" OR TI "upper gastrointestinal bleeding" OR AB "upper gastrointestinal bleeding" OR MH "Lower Gastrointestinal Hemorrhage" OR TI "lower gastrointestinal bleeding" OR AB "lower gastrointestinal bleeding" OR TI UGIB OR AB UGIB OR TI LGIB OR AB LGIB OR MH "Hematemesis" OR TI hematemesis OR AB hematemesis OR MH "Melena" OR TI melena OR AB melena OR TI "rectal bleeding" OR AB "rectal bleeding")	
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Supplementary Table 6. Search in CNKI

SEARCH	RESULTS
SU=("gastrointestinal endoscopy" + "endoscopy" + "endoscopic procedure" + endoscop*) AND	42

SU=("acute coronary syndrome" + "acute myocardial ischemia" + "unstable angina" + ACS + "acute myocardial infarction" + "myocardial infarction" + "acute coronary event" + AMI + MI + "post-myocardial infarction" + "post-MI" + "post-ACS" + "ischemic heart disease" + "coronary artery disease" + CAD + "heart attack" + "coronary syndrome") AND SU=("gastrointestinal bleeding" + "gastrointestinal hemorrhage" + "GI bleeding" + "GI hemorrhage" + "upper gastrointestinal bleeding" + "lower gastrointestinal bleeding" + UGIB + LGIB + hematemesis + melena + "rectal bleeding")	
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Supplementary Table 7. Search in Scopus

SEARCH	RESULTS
(TITLE-ABS-KEY("gastrointestinal endoscopy" OR "endoscopy" OR "endoscopic procedure" OR endoscop*)) AND (TITLE-ABS-KEY("acute coronary syndrome" OR "acute myocardial ischemia" OR "unstable angina" OR ACS OR "acute myocardial infarction" OR "myocardial infarction" OR "acute coronary event" OR AMI OR MI OR "post-myocardial infarction" OR "post-MI" OR "post-ACS" OR "ischemic heart disease" OR "coronary artery disease" OR CAD OR "heart attack" OR "coronary syndrome")) AND (TITLE-ABS-KEY("gastrointestinal bleeding" OR "gastrointestinal hemorrhage" OR "GI bleeding" OR "GI hemorrhage" OR "upper	679

gastrointestinal bleeding" OR "lower gastrointestinal bleeding" OR UGIB OR LGIB OR hematemesis OR melena OR "rectal bleeding"))	
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Supplementary Table 8. Key terms

TERMS
Gastrointestinal bleeding, endoscopy, acute coronary syndrome, esophagogastroduodenoscopy, mortality , rebleeding ,blood transfusion

Abbreviations:

ACS – Acute Coronary Syndrome

AMI – Acute Myocardial Infarction

CAD – Coronary Artery Disease

CI – Confidence Interval

CINAHL – Cumulative Index to Nursing and Allied Health Literature

CNKI – China National Knowledge Infrastructure

DAPT – Dual Antiplatelet Therapy

ECG – Electrocardiogram

EGD – Esophagogastroduodenoscopy

GIB – Gastrointestinal Bleeding

GIE – Gastrointestinal Endoscopy

ITT – Intention-To-Treat

LGIB – Lower Gastrointestinal Bleeding

LBBS – Left Bundle Branch Block

LOS – Length of Stay

MeSH – Medical Subject Headings

MGIB – Middle Gastrointestinal Bleeding

MI – Myocardial Infarction

NIS – Nationwide Inpatient Sample

NOS – Newcastle-Ottawa Scale

NSTEMI – Non-ST-Elevation Myocardial Infarction

OR – Odds Ratio

PP – Per Protocol

PRISMA – Preferred Reporting Items for Systematic Reviews and Meta-Analyses

PROSPERO – International Prospective Register of Systematic Reviews

RCT – Randomized Controlled Trial

RR – Relative Risk

SD – Standard Deviation

SMD – Standardized Mean Difference

STEMI – ST-Elevation Myocardial Infarction

UGIB – Upper Gastrointestinal Bleeding