Supplementary Table 1 Search history

The information I need is:	Q: 20 years, English, humans, Adult 19+				
Places to search for information:	PubMed, Medline, Cochrane, SCOPUS				
Database searched	**Search terms used & limits applied**	**Number of results**	**Comments on results**	**Date of search**	**Next Search Date**
PubMed	Hemostasis AND nonvariceal upper gi bleed OR non-variceal upper gi bleed OR non variceal upper gi bleed OR peptic ulcer OR peptic ulcer hemorrhage OR gastrointestinal hemorrhage AND endoclips OR hemospray OR epinephrine injection OR argon plasma coagulation OR monopoly electrocoagulation OR bipolar electrocoagulation OR heater probe OR absolute ethanol injection OR hemostasis, endoscopic OR bipolar coaptation OR hemoclipping Filters: Clinical Trial, Meta-Analysis, Randomized Controlled Trial, Systematic Review, English, Humans, Adult: 19+ years, from 2004/1/1 - 2024/11/25	1207		11/25/2024	

Medline(OVID)	((((Hemostasis and nonvariceal upper gi bleed) or non-variceal upper gi bleed or non variceal upper gi bleed or peptic ulcer or peptic ulcer hemorrhage or gastrointestinal hemorrhage) and endoclips) or hemospray or epinephrine injection or argon plasma coagulation or monopoly electrocoagulation or bipolar electrocoagulation or heater probe or absolute ethanol injection or hemostasis, endoscopic or bipolar coaptation or hemoclipping).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms, population supplementary concept word, anatomy supplementary concept word] limit 1 to (english language and humans and yr="2004 - 2024" and "all adult (19 plus years)" and (clinical trial, all or meta analysis or randomized controlled trial or "systematic review"))	234		11/25/2024	

Cochrane Library	hemostasis AND non variceal upper gi bleed OR non variceal upper gi bleed OR peptic ulcer hemorrhage OR gastrointestinal hemorrhage AND endoclips OR hemospray OR epinephrine injection OR argon	-			
	plasma coagulation OR monopoly electrocoagulation OR bipolar electrocoagulation OR heater probe OR absolute ethanol injection OR hemostasis, endoscopic or bipolar coaptation OR hemoclipping	364		11/25/24	

SCOPUS	(hemostasis AND "nonvariceal upper gi bleed" OR "non-variceal upper gi bleed" OR "non variceal upper gi bleed" OR "peptic ulcer" OR "peptic ulcer hemorrhage" OR "gastrointestinal hemorrhage" AND endoclips OR hemospray OR "epinephrine injection" OR "argon plasma coagulation" OR "monopoly electrocoagulation" OR "bipolar electrocoagulation" OR "heater probe" OR "absolute ethanol injection" OR "hemostasis, endoscopic" OR "bipolar coaptation" OR hemoclipping) AND PUBYEAR > 2003 AND PUBYEAR < 2025 AND (LIMIT-TO (DOCTYPE , "ar")) AND (LIMIT-	1427		11/25/24	
	TO (LANGUAGE , "English")) AND (LIMIT-TO (EXACTKEYWORD , "Human") OR LIMIT-TO (EXACTKEYWORD , "Humans") OR LIMITTO (EXACTKEYWORD , "Adult") OR LIMIT-TO (EXACTKEYWORD , "Controlled Clinical Trial") OR LIMIT-TO (EXACTKEYWORD , "Major Clinical Study"))				

Reason for Exclusion	Number of times applied

Exclusion Criteria??

Inclusion Criteria?

Reason for Exclusion	Number of times applied

Supplementary Table 2 Search strategies for database search

Serial no.	First Author	Publication year	Country/ Region	Study design	Study Period	Arms	Sample size	Age (mean w SD)	Male (gender%)	Etiologies of bleeding: peptic ulcer:1, Dieulofoy's lesion: 2, Mallory Weiss tear:3, Tumor:4, Other: 5	30 day rebleeding (n)	Short term rebleeding (n)	Initial hemostasis (n)	Necessity of surgical /TAE (n)	All cause mortality in 30 days (n)	Bleeding related mortality (n)
1	Andrew Kwek Boon Eu: NCT02088385	2019	Singapore	RCT	2013-2015	HP	10	67.9(18.4)	9 (90%)	1	3	NA	9	NA	1	NA
						CT	10	72.1(11.4)	7(70%)	1	1	NA	10	NA	0	NA
2	Da Hyun Jung: NCT02717416	2023	Korea	RCT	2017-2021	HP	105	65.1 (15.3)	85 (81.0)	1	8	6	92	NA	NA	NA
						CT	111	64.3	86	1	10	4	96	NA	NA	NA

								(15.3)	(77.5)							
3	Dennis M. Jensen: NCT03065465	2021	California	RCT	2016-2019	OTSC	25	67.6 ± 16.5	NA	1 (23), 2 (2)	1	1	25	0	0	0
						CT	28	66.5 ± 14.8	NA	1 (25), 2 (3)	8	8	28	2	0	0
4	Paola Soriani: 10.1055/a-2303-4824, NCT03551262	2024	Italy	RCT	2018-2023	OTSC	61	76 (19–93)	44 (72.1)	1	1	NA	60	0	1	0
						CT	51	75 (46–95)	33 (64.7)	1	2	NA	40	0	4	0
5	Shannon Chan: NCT03160911, PMID: 36307177	2022	Hong Kong	RCT	2017-2020	OTSC	50	72.41 (13.81)	34/50	1	5	2	46	3	2	NA
						CT	50	70.74 (10.77)	33/50	1	9	3	48	1	4	NA
6	Joo Young Cho, KCT0009129	Unpublished	Korea	RCT	2017-2018	HP	38	55.63 ± 14.61	55.26	5	NA	NA	37	NA	0	NA
						CT	38	56.87 ± 9.60	63.16	5	NA	NA	37	NA	0	NA
7	Da Hyun Jung, KCT0004655	Unpublished	Korea	RCT	2019-2022	HP	108	63.9 ± 14.4	73 (67.6)	1 (79), 5(29)	15	13	104	NA	NA	NA

						CT	110	63.3 ± 12.2	82 (74.5)	1 (81), 5 (29)	3	3	101	NA	NA	NA
8	Benjamin Meier, NCT03331224	2022	Germany	RCT	2017-2021	OTSC	48	78	33 (68.8)	1 (42), 2(2), 5 (4)	6	4	44	3	3	0
						CT	52	79	37 (71.2)	1 (42), 2(3), 3 (1), 5 (6)	14	8	38	2	4	0
9	Felipe Iankelevich Baracat	2019	Brazil	RCT	2015-2017	HP	19	57.2 ± 16.2	14 (73.7%)	1 (9), 3 (1), 4 (4), 5 (5)	5	3	19	1	4	2
						CT	20	56.5 ± 15.6	12 (60.0%)	1 (8), 2 (2), 3 (2), 4 (1), 5 (7)	3	3	18	0	4	1
10	Yen-I Chen, NCT02135627	2020	Canda	RCT	2014-2016	HP	10	68.2 (9.7)	7(70)	4	2	1	9	2	5	NA
						CT	10	66.1 (20.9)	8 (80)	4	6	2	4	3	4	NA
11	Arthur Schmidt, NCT1836900	2018	Germany	RCT	2013-2016	OTSC	33	77	20 (60.6)	1	4	3	31	2	4	0
						CT	33	78	17 (51.5)	1	9	5	19	1	2	0

12	Byoung Wook Bang, DOI:10.1007/s10620-018-5208-z	2018	South Korea	RCT	2014-2015	HP	37	60.9 ± 10.0	25 (71.4)	1 (6), 5 (29)	NA	3	35	0	0	0
						CT	39	62.1 ± 12.1	21 (56.7)	1 (10), 5 (29)	NA	1	33	0	1	0
13	Jamshid Vafaeimanesh, PMID: 31380004, IRCT2016033118915N4	2019	Iran	RCT	2016-2017	HP	20	65	14	1	NA	0	19	NA	NA	NA
						CT	20	59	11	1	NA	2	19	NA	NA	NA
14	Rapat Pittayanon, NCT03855904	2023	Canada	RCT	2019-2022	HP	55	63.5 ± 10.4	34 (61.8)	4	1	0	55	NA	7	0
						CT	51	63.3 ± 11.6	30 (58.8)	4	10	2	35	NA	4	0
15	James Y.W. Lau, 10.7326/M21-0975	2022	Asia	RCT	2015-2018	HP	111	68.5 ± 15.0	77 (69.4)	1 (68), 2(6), 3(2), 4 (29), 5 (6)	9	5	108	3	14	1
						CT	113	66.3 ± 16.7	73 (64.6)	1 (68), 2(16), 3(10), 4 (13), 5 (6)	10	9	102	4	14	1
16	Bruno Costa Martins, https://doi.org/10.1055/a-1906-4769	2022	Brazil	RCT	2016-2019	HP	26	NA	NA	4	15	NA	26	NA	8	NA

						CT	30	NA	NA	4	12	NA	NA	NA	6	NA
17	: James Y.W. Lau, NCT03216395,https://doi.org/10.7326/M22-1783	2021	Hong Kong	RCT	2018-2020	OTSC	94	62.4 (18.9)	74 (79.6)	1 (86), 2(4), 3 (1), 4 (2)	3	2	93	3	2	0
						CT	97	64.1 (17.2)	75 (77.3)	1 (87), 2(4), 3 (2), 4 (1), 5 (2)	14	8	91	8	4	1