

Supplementary Table 1. Anti-secretory Agents (Proton Pump Inhibitors or Histamine 2 Receptor Antagonist in Patients With Dyspepsia

I. Keywords			
PICO		Keywords	Remarks
P	MeSH All Field	※ Dyspepsia	
		※ Dyspepsia*	
		※ Dyspepsie*	
		※ Dyspeptic	
		※ Indigestion*	
		※ Upset stomach	
		※ Stomach upset	
		※ Apepsy	
		※ Apepsia	
		I	MeSH All Field
※ Histamine H2 antagonists			
※ Proton pump Inhibitor*			
※ Inhibitors, proton pump			
※ Antagonists, histamine H2			
※ Antihistaminics, H2			
※ Blockaders, H2 receptor			
※ Blockaders, histamine H2 receptor			
※ Blockers, histamine H2			
※ H2 antagonists, histamine			
※ H2 antihistamin*			
※ H2 blockers, histamine			
※ H2 receptor blockader*			
※ H2RA			
※ Histamine 2 antagonist*			
※ Histamine H2 antagonist*			
※ Histamine H2 blocker*			
※ Histamine H2 receptor antagonist*			
※ Histamine H2 receptor blockader*			
※ Receptor antagonists, histamine H2			
※ Receptor blockaders, H2			

Summary of the Literature Search

I. Search Results			
No.	DB	Results	Duplication
1	PubMed (Medline)	351	104
2	EMBASE	195	
3	Cochrane Library	22	
4	KoreaMed	16	
	Total	584	
		480	

* Medline Search Limits (PubMed)

- a. Humans
- b. Adult (19+)
- c. 2005~Curr.
- d. Language: Eng, Kor

No.	Keyword	Results	Search category	Remarks
1	Dyspepsia	8 057	MeSH	
2	Dyspepsia*	10 063	All Fields	
3	Dyspepsie*	4	All Fields	
4	Dyspeptic	3 582	All Fields	
5	Indigestion*	854	All Fields	
6	Upset stomach	49	All Fields	
7	Stomach upset	60	All Fields	
8	Apepsy	0	All Fields	
9	Apepsia	2	All Fields	
10	OR / 1-9	14 818		(((((((((Dyspepsia[mesh]) OR Dyspepsia*[tiab]) OR Dyspepsie*[tiab]) OR Dyspeptic[tiab]) OR Indigestion*[tiab]) OR upset stomach[tiab]) OR stomach upset[tiab]) OR apepsy[tiab]) OR #56) OR apepsia[tiab])
11	Proton pump inhibitors	8 988	MeSH	
12	Proton pump Inhibitor*	11 474	All Fields	
13	Inhibitors, proton pump	9 771	All Fields	
14	OR / 11-13	15 201		((Proton pump inhibitors[mesh]) OR Proton pump Inhibitor*[tiab]) OR Inhibitors, proton pump[tiab]
15	Histamine H2 antagonists	6 940	MeSH	
16	Antagonists, histamine H2	1 726	All Fields	
17	Antihistaminics, H2	65	All Fields	
18	Blockaders, H2 receptor	26	All Fields	
19	Blockaders, histamine H2 receptor	17	All Fields	
20	Blockers, histamine H2	164	All Fields	
21	H2 antagonists, histamine	4 527	All Fields	
22	H2 antihistamin*	189	All Fields	
23	H2 blockers, histamine	6 256	All Fields	
24	H2 receptor blockader*	24	All Fields	
25	H2RA	308	All Fields	
26	Histamine 2 antagonist*	34	All Fields	
27	Histamine H2 antagonist*	205	All Fields	
28	Histamine H2 blocker*	54	All Fields	
29	Histamine H2 receptor antagonist*	1 416	All Fields	
30	Histamine H2 receptor blockader*	16	All Fields	
31	Receptor antagonists, histamine H2	1 503	All Fields	
32	Receptor blockaders, H2	27	All Fields	

* Medline Search Limits (PubMed)

- a. Humans
- b. Adult (19+)
- c. 2005~Curr.
- d. Language: Eng, Kor

No.	Keyword	Results	Search category	Remarks
33	OR / 15-32	10 948		((((((((((((((((((Histamine H2 antagonists[mesh]) OR Antagonists histamine H2[tiab]) OR Antihistaminics H2[tiab]) OR Blockaders H2 receptor[tiab]) OR Blockaders histamine H2 receptor[tiab]) OR Blockers histamine H2[tiab]) OR H2 antagonists histamine[tiab]) OR H2 antihistamin*[tiab]) OR H2 blockers histamine[tiab]) OR H2 receptor blockader*[tiab]) OR H2RA[tiab]) OR Histamine 2 antagonist*[tiab]) OR Histamine H2 antagonist*[tiab]) OR Histamine H2 blocker*[tiab]) OR Histamine H2 receptor antagonist*[tiab]) OR Histamine H2 receptor blockader*[tiab]) OR Receptor antagonists histamine H2[tiab]) OR Receptor blockaders H2[tiab]
34	OR / 14, 33	24 533		(((((Proton pump inhibitors[mesh]) OR Proton pump Inhibitor*[tiab]) OR Inhibitors, proton pump[tiab])) OR (((((((((((((((((((Histamine H2 antagonists[mesh]) OR Antagonists histamine H2[tiab]) OR Antihistaminics H2[tiab]) OR Blockaders H2 receptor[tiab]) OR Blockaders histamine H2 receptor[tiab]) OR Blockers histamine H2[tiab]) OR H2 antagonists histamine[tiab]) OR H2 antihistamin*[tiab]) OR H2 blockers histamine[tiab]) OR H2 receptor blockader*[tiab]) OR H2RA[tiab]) OR Histamine 2 antagonist*[tiab]) OR Histamine H2 antagonist*[tiab]) OR Histamine H2 blocker*[tiab]) OR Histamine H2 receptor antagonist*[tiab]) OR Histamine H2 receptor blockader*[tiab]) OR Receptor antagonists histamine H2[tiab]) OR Receptor blockaders H2[tiab])
35	AND / 10, 34	1 233		(((((Proton pump inhibitors[mesh]) OR Proton pump Inhibitor*[tiab]) OR Inhibitors, proton pump[tiab])) OR (((((((((((((((((((Histamine H2 antagonists[mesh]) OR Antagonists histamine H2[tiab]) OR Antihistaminics H2[tiab]) OR Blockaders H2 receptor[tiab]) OR Blockaders histamine H2 receptor[tiab]) OR Blockers histamine H2[tiab]) OR H2 antagonists histamine[tiab]) OR H2 antihistamin*[tiab]) OR H2 blockers histamine[tiab]) OR H2 receptor blockader*[tiab]) OR H2RA[tiab]) OR Histamine 2 antagonist*[tiab]) OR Histamine H2 antagonist*[tiab]) OR Histamine H2 blocker*[tiab]) OR Histamine H2 receptor antagonist*[tiab]) OR Histamine H2 receptor blockader*[tiab]) OR Receptor antagonists histamine H2[tiab]) OR Receptor blockaders H2[tiab]))) AND (((((((((((((((Dyspepsia[mesh]) OR Dyspepsia*[tiab]) OR Dyspepsie*[tiab]) OR Dyspeptic[tiab]) OR Indigestion*[tiab]) OR Upset stomach[tiab]) OR Stomach upset[tiab]) OR Apepsy[tiab]) OR Apepsia[tiab])
Total (Limitation)		351		

* Medline Search Limits (EMBASE)

- a. Humans
- b. Adult (19+)
- c. 2005~Curr.
- d. Language: Eng, Kor

No.	Keyword	Results	Search category	Remarks
1	Dyspepsia	8 320	Emtree	.exp/mj
2	Dyspepsia*	14 472	All Fields	.abti
3	Dyspepsie*	469	All Fields	
4	Dyspeptic	4 985	All Fields	
5	Indigestion*	2 856	Emtree	
6	upset stomach	86	All Fields	
7	stomach upset	24	Emtree	
9	apepsia	3	All Fields	
10	OR / 1-9	21 892		
11	Proton pump inhibitors	19 677	Emtree	
12	Proton pump Inhibitor*	18 281	All Fields	
13	Inhibitors, proton pump	31	All Fields	
14	OR / 11-13	29 502		
15	histamine H2 receptor antagonist	28 361	Emtree	
16	Antagonists, histamine H2	0	All Fields	
18	Blockaders, H2 receptor	0	All Fields	
19	Blockaders, histamine H2 receptor	0	All Fields	
20	Blockers, histamine H2	0	All Fields	
21	H2 antagonists, histamine	2	All Fields	
22	H2 antihistamin*	151	All Fields	
23	H2 blockers, histamine	0	All Fields	
24	H2 receptor blockader*	19	All Fields	
25	H2RA	393	All Fields	
26	Histamine 2 antagonist*	72	All Fields	
27	Histamine H2 antagonist*	55	All Fields	
28	Histamine H2 blocker*	23	All Fields	
29	Histamine H2 receptor antagonist*	370	All Fields	
30	Histamine H2 receptor blockader*	16	All Fields	
31	Receptor antagonists, histamine H2	0	All Fields	
32	Receptor blockaders, H2	0	All Fields	
33	OR / 15-32	28 977		
34	OR / 14, 33	54 504		
35	AND / 10, 34	2 460		#34 AND 'dyspepsia'/8928bdd/_Lib_Proxy_Url_Https/www.embase.com/de AND (2005:py OR 2006:py OR 2007:py OR 2008:py OR 2009:py OR 2010:py OR 2011:py OR 2012:py OR 2013:py OR 2014:py OR 2015:py OR 2016:py OR 2017:py) AND ([adult]/8928bdd/_Lib_Proxy_Url_Https/www.embase.com/lim OR [aged]/8928bdd/_Lib_Proxy_Url_Https/www.embase.com/lim OR [middle aged]/8928bdd/_Lib_Proxy_Url_Https/www.embase.com/lim OR [very elderly]/8928bdd/_Lib_Proxy_Url_Https/www.embase.com/lim) AND ('histamine h2 receptor antagonist'/8928bdd/_Lib_Proxy_Url_Https/www.embase.com/de OR 'proton pump inhibitor'/8928bdd/_Lib_Proxy_Url_Https/www.embase.com/de)
Total		195		

* Medline Search Limits (Cochrane Library)

- a. Humans
- b. Adult (19+)
- c. 2005~Curr.
- d. Language: Eng, Kor

No.	Keyword	Results	Search category	Remarks
1	Dyspepsia	5	MeSH	
2	Dyspepsia*	318	All Fields	
3	Dyspepsie*	12	All Fields	
4	Dyspeptic	25	All Fields	
5	Indigestion*	77	All Fields	
6	Upset stomach	69	All Fields	
7	Stomach upset	69	All Fields	
8	Apepsy	0	All Fields	
9	Apepsia	0	All Fields	
10	OR / 1-9	423		
11	Proton pump inhibitors	17	MeSH	
12	Proton pump Inhibitor*	110	All Fields	
13	Inhibitors, proton pump	96	All Fields	
14	OR / 11-13	110		
15	Histamine H2 antagonists	16	MeSH	
16	Antagonists, histamine H2	48	All Fields	
17	Antihistaminics, H2	1	All Fields	
18	Blockaders, H2 receptor	0	All Fields	
19	Blockaders, histamine H2 receptor	0	All Fields	
20	Blockers, histamine H2	12	All Fields	
21	H2 antagonists, histamine	48	All Fields	
22	H2 antihistamin*	19	All Fields	
23	H2 blockers, histamine	12	All Fields	
24	H2 receptor blockader*	0	All Fields	
25	H2RA	19	All Fields	
26	Histamine 2 antagonist*	163	All Fields	
27	Histamine H2 antagonist*	52	All Fields	
28	Histamine H2 blocker*	15	All Fields	
29	Histamine H2 receptor antagonist*	44	All Fields	
30	Histamine H2 receptor blockader*	0	All Fields	
31	Receptor antagonists, histamine H2	41	All Fields	
32	Receptor blockaders, H2	0	All Fields	
33	OR / 15-32	173		
34	OR / 14, 33	238		
37	AND / 10, 34	26		
	Total		22	

* Medline Search Limits (KoreaMed)

- a. Humans
- b. Adult (19+)
- c. 2005~Curr.
- d. Language: Eng, Kor

No.	Keyword	Results	Search category	Remarks
1	Dyspepsia*	554	All Fields	
2	Dyspepsie*	0	All Fields	
3	Dyspeptic	61	All Fields	
4	Indigestion*	199	All Fields	
5	Upset stomach	1	All Fields	
6	Stomach upset	2	All Fields	
7	Apepsy	0	All Fields	
8	Apepsia	0	All Fields	
9	OR / 1-8	614		Dyspepsia* [ALL] OR Dyspeptic [ALL] OR Indigestion* [ALL] OR "Upset stomach" [ALL] OR "Stomach upset" [ALL]
10	Proton pump Inhibitor*	391	All Fields	
11	Inhibitors, proton pump	37	All Fields	
12	OR / 10-11	391		
13	Antagonists, histamine H2	0	All Fields	
14	Antihistaminics, H2	1	All Fields	
15	Blockaders, H2 receptor	0	All Fields	
16	Blockaders, histamine H2 receptor	0	All Fields	
17	Blockers, histamine H2	0	All Fields	
18	H2 antagonists, histamine	0	All Fields	
19	H2 antihistamin*	7	All Fields	
20	H2 blockers, histamine	2	All Fields	
21	H2 receptor blockader*	0	All Fields	
22	H2RA	8	All Fields	
23	Histamine 2 antagonist*	3	All Fields	
24	Histamine H2 antagonist*	17	All Fields	
25	Histamine H2 blocker*	0	All Fields	
26	Histamine H2 receptor antagonist*	7	All Fields	
27	Histamine H2 receptor blockader*	0	All Fields	
28	Receptor antagonists, histamine H2	0	All Fields	
29	Receptor blockaders, H2	0	All Fields	
30	OR / 13-29	34		
31	OR / 12, 30	392		Antihistaminics, [ALL] H2 [ALL] OR H2 [ALL] antihistamin* [ALL] OR H2 [ALL] blockers, [ALL] histamine [ALL] OR H2RA [ALL] OR Histamine [ALL] 2 [ALL] antagonist* [ALL] OR Histamine [ALL] H2 [ALL] antagonist* [ALL] OR Histamine [ALL] H2 [ALL] receptor [ALL] antagonist* [ALL] OR Proton [ALL] pump [ALL] Inhibitor* [ALL] OR Inhibitors, [ALL] proton [ALL] pump [ALL]
34	AND / 9, 31	21		
	Total		16	

Supplementary Table 2. *Helicobacter pylori* Eradication in Patients With Dyspepsia

I. Keywords				
PICO		Keywords	Remarks	
P	MeSH	※ Dyspepsia		
		All Field	※ Dyspepsia*	
			※ Dyspeptic	
			※ Indigest*	
			※ Maldigest*	
			※ Lienteric	
			※ Apeps*	
			※ Dyspepsie*	
			※ Upset Stomach	
			※ Stomach Upset	
			※ Non-ulcer Dyspepsia	
			※ Funtional Dyspepsia*	
	I	MeSH	※ Helicobacter Pylori	
			※ Helicobacter Infections	
			※ Anti-Bacterial Agents	
			※ Anti-Ulcer Agents	
All Field			※ Helicobacter Pylori	
			※ H. Pylori	
			※ Campylobacter Pylori	
			※ Helicobacter Infect*	
			※ Infect* Helicobacter	
			※ Eradicat*	
			※ Eradicant*	
			※ Anti Bacterial*	
			※ Antibacterial*	
		※ Bacteriocid*		
		※ Anti-Helicobacter Pylori		
	※ Anti-Campylobacter Pylori			
	※ Anti-Ulcer Agent*			

Summary of the Literature Search

I. Search Results			
No.	DB	Results	Duplication
1	PubMed (Medline)	125	189
2	OVID Medline	128	
3	Embase	137	
4	Cochrane Library	9	
5	KoreaMed	14	
	Total	413	
		224	

* Medline Search Limits (PubMed)

- a. Humans
- b. Adult (19+)
- c. English, Korean
- d. 2007~Curr.
- e. RCT/Clinical Trials/Meta-Analysis

No.	Keyword	Results	Search category	Remarks
1	Dyspepsia	8 068	MeSH	
2	Dyspepsia*	12 636	All Fields	
3	Dyspeptic	3 589	All Fields	
4	Dyspepsie*	16	All Fields	
5	Indigest*	1 990	All Fields	
6	Maldigest*	606	All Fields	
7	Upset stomach	141	All Fields	
8	Stomach upset	141	All Fields	
9	Apepsy	1	All Fields	
10	Apepsia	2	All Fields	
11	Non-ulcer Dyspepsia	1 092	All Fields	
12	Functional Dyspepsia*	2 629	All Fields	
13	OR / 1-12	16 614		
14	Helicobacter Pylori	31 559	MeSH	
15	Helicobacter Pylori	40 059	All Fields	
16	H. Pylori	40 696	All Fields	
17	Campylobacter Pylori	40 829	All Fields	
18	Helicobacter Infections	27 439	MeSH	
19	Helicobacter Infect*	27 548	All Fields	
20	Infect* Helicobacter	34 650	All Fields	
21	OR / 14-20	41 540		
22	Eradicat*	54 177	All Fields	
23	Eradicant*	5	All Fields	
24	Eliminat*	282 521	All Fields	
25	Anti-Bacterial Agents	321 795	MeSH	
26	Anti-Ulcer Agents	12 770	MeSH	
27	Anti-Ulcer Agent*	47 492	All Fields	
28	Anti Bacterial*	287 513	All Fields	
29	Antibacterial*	58 160	All Fields	
30	Bacteriocid*	554	All Fields	
31	OR / 22-30	714 389		

* Medline Search Limits (PubMed)

- a. Humans
- b. Adult (19+)
- c. English, Korean
- d. 2007~Curr.
- e. RCT/Clinical Trials/Meta-Analysis

No.	Keyword	Results	Search category	Remarks
32	21 AND 31	13 762		((((((((((Eradicat*) OR Eradicant*) OR Eliminat*) OR Anti-Bacterial Agents[mesh]) OR Anti-Ulcer Agents[mesh]) OR Anti-Ulcer Agent*) OR Anti Bacterial*) OR Antibacterial*) OR Bacteriocid*)) AND (((((((Helicobacter Pylori[mesh]) OR Helicobacter Pylori) OR H. Pylori) OR Campylobacter Pylori) OR Helicobacter Infections[mesh]) OR Helicobacter Infect*) OR Infect* Helicobacter)
33	Anti-Helicobacter Pylori	813	All Fields	
34	Anti-Campylobacter Pylori	8	All Fields	
35	OR / 32-34	14 059		
36	13 AND 35	1 999		((((((((((((((Eradicat*) OR Eradicant*) OR Eliminat*) OR Anti-Bacterial Agents[mesh]) OR Anti-Ulcer Agents[mesh]) OR Anti-Ulcer Agent*) OR Anti Bacterial*) OR Antibacterial*) OR Bacteriocid*)) AND (((((((((((((((Helicobacter Pylori[mesh]) OR Helicobacter Pylori) OR H. Pylori) OR Campylobacter Pylori) OR Helicobacter Infections[mesh]) OR Helicobacter Infect*) OR Infect* Helicobacter)))) OR Anti-Helicobacter Pylori) OR Anti-Campylobacter Pylori)) AND (((((((((((((((Dyspepsia [esh]) OR #2) OR Dyspepsia*) OR Dyspepsia[mesh]) OR Dyspeptic) OR Dyspepsie*) OR Indigest*) OR Maldigest*) OR "Upset stomach") OR "Stomach upset") OR Apepsy) OR jpepsy) OR Apepsia) OR Non-ulcer Dyspepsia) OR Funtional Dyspepsia*) OR functional Dyspepsia*) OR Upset stomach) OR Stomach upset)
	Total		125	

* OVID Medline Search Limits

- a. Humans
- b. Adult (19+)
- c. English, Korean
- d. 2007~Curr.
- e. RCT/Clinical Trials/Meta-Analysis

No.	Keyword	Results	Search category	Remarks
1	Dyspepsia	8 264	MeSH	
2	Dyspepsia*	9 985	All Fields	
3	Dyspeptic	3 632	All Fields	
4	Dyspepsie*	3	All Fields	
5	Indigest*	2 013	All Fields	
6	Maldigest*	615	All Fields	
7	Upset stomach	50	All Fields	
8	Stomach upset	59	All Fields	
9	Apepsy	0	All Fields	
10	Apepsia	2	All Fields	
11	Non-ulcer Dyspepsia	1 042	All Fields	
12	Funtional Dyspepsia*	0	All Fields	
13	OR / 1-12	16 764		
14	Helicobacter Pylori	32 458	MeSH	
15	Helicobacter Pylori	36 278	All Fields	
16	H. Pylori	24 287	All Fields	
17	Campylobacter Pylori	922	All Fields	
18	Helicobacter Infections	28 301	MeSH	
19	Helicobacter Infect*	541	All Fields	
20	Infect* Helicobacter	79	All Fields	
21	OR / 14-20	43 109		
22	Eradicat*	53 715	All Fields	
23	Eradicant*	5	All Fields	
24	Eliminat*	284 080	All Fields	
25	Anti-Bacterial Agents	293 266	MeSH	
26	Anti-Ulcer Agents	13 056	MeSH	
27	Anti-Ulcer Agent*	307	All Fields	
28	Anti Bacterial*	2 420	All Fields	
29	Antibacterial*	57 641	All Fields	
30	Bacteriocid*	556	All Fields	
31	OR / 22-30	655 778		

* OVID Medline Search Limits

- a. Humans
- b. Adult (19+)
- c. English, Korean
- d. 2007~Curr.
- e. RCT/Clinical Trials/Meta-Analysis

No.	Keyword	Results	Search category	Remarks
32	21 AND 31	13 745		((((((((((Eradicat*) OR Eradicant*) OR Eliminat*) OR Anti-Bacterial Agents[mesh]) OR Anti-Ulcer Agents[mesh]) OR Anti-Ulcer Agent*) OR Anti Bacterial*) OR Antibacterial*) OR Bacteriocid*)) AND (((((((Helicobacter Pylori[mesh]) OR Helicobacter Pylori) OR H. Pylori) OR Campylobacter Pylori) OR Helicobacter Infections[mesh]) OR Helicobacter Infect*) OR Infect* Helicobacter)
33	Anti-Helicobacter Pylori	674	All Fields	
34	Anti-Campylobacter Pylori	5	All Fields	
35	OR / 32-34	14 010		
36	13 AND 35	1 999		((((((((((((((Eradicat*) OR Eradicant*) OR Eliminat*) OR Anti-Bacterial Agents[mesh]) OR Anti-Ulcer Agents[mesh]) OR Anti-Ulcer Agent*) OR Anti Bacterial*) OR Antibacterial*) OR Bacteriocid*)) AND (((((((((((((((Helicobacter Pylori[mesh]) OR Helicobacter Pylori) OR H. Pylori) OR Campylobacter Pylori) OR Helicobacter Infections[mesh]) OR Helicobacter Infect*) OR Infect* Helicobacter)))) OR Anti-Helicobacter Pylori) OR Anti-Campylobacter Pylori)) AND (((((((((((((((Dyspepsia [esh]) OR #2) OR Dyspepsia*) OR Dyspepsia[mesh]) OR Dyspeptic) OR Dyspepsie*) OR Indigest*) OR Maldigest*) OR "Upset stomach") OR "Stomach upset") OR Apepsy) OR jpepsy) OR Apepsia) OR Non-ulcer Dyspepsia) OR Funtional Dyspepsia*) OR functional Dyspepsia*) OR Upset stomach) OR Stomach upset)
	Total		128	

* Embase Search Limits

- a. Humans
- b. Adult (19+)
- c. English, Korean
- d. 2007~Curr.
- e. RCT/Clinical Trials/Meta-Analysis

No.	Keyword	Results	Search category	Remarks
1	Dyspepsia	8 339	MeSH	
2	Dyspepsia*	14 969	All Fields	
3	Dyspeptic	5 006	All Fields	
4	Dyspepsie*	470	All Fields	
5	Indigestion	155	Emtree	
6	Indigestion	1 306	All Fields	
7	Digestive System Function Disorder	212 721	Emtree	
8	Maldigest*	852	All Fields	
9	Upset Stomach	89	All Fields	
10	Stomach Upset	82	All Fields	
11	Apepsy	0	All Fields	
12	Apepsia	3	All Fields	
13	Non Ulcer Dyspepsia	11	Emtree	
14	Non Ulcer Dyspepsia	1 327	All Fields	
15	Functional Dyspepsia*	2	All Fields	
16	OR / 1-15	223 916		
17	Helicobacter Pylori	24 465	Emtree	
18	Helicobacter Pylori	46 491	All Fields	
19	H. Pylori	32 829	All Fields	
20	Campylobacter Pylori	1 209	All Fields	
21	Helicobacter Infections	15 427	Emtree	
22	Helicobacter Infect*	780	All Fields	
23	Infect* Helicobacter	111	All Fields	
24	OR / 17-23	54 328		
25	Eradication	29	Emtree	
26	Eradication	45 825	All Fields	
27	Eradicant*	20	All Fields	
28	Elimination	147 355	All Fields	
29	Antiinfective Agent	1 248 357	Emtree	
30	Antiinfective Agent	27	All Fields	
31	Anti-Bacterial Agent*	820	All Fields	
32	Antiulcer Agent	94 411	Emtree	
33	Antiulcer Agent	308	All Fields	
34	Anti-Ulcer Agent*	451	All Fields	
35	Anti Bacterial*	4 778	All Fields	
36	Antibacterial*	80 365	All Fields	
37	Bactericide	1 582	Emtree	
38	Bactericide	1 032	All Fields	
39	OR / 25-38	1 539 311		
40	24 AND 39	18 459		
41	Anti-Helicobacter Pylori	921	All Fields	
42	Anti-Campylobacter Pylori	5	All Fields	
43	OR / 40-42	926		
44	16 AND 43	3 310		
	Total		137	

* Cochrane Library Search Limits

- a. Humans
- b. Adult (19+)
- c. English, Korean
- d. 2007~Curr.
- e. RCT/Clinical Trials/Meta-Analysis

No.	Keyword	Results	Search category	Remarks
1	Dyspepsia	5	MeSH	
2	Dyspepsia*	322	All Fields	
3	Dyspeptic	25	All Fields	
4	Dyspepsie*	12	All Fields	
5	Indigest*	90	All Fields	
6	Maldigest*	7	All Fields	
7	Upset stomach	15	All Fields	
8	Stomach upset	21	All Fields	
9	Apepsy	0	All Fields	
10	Apepsia	0	All Fields	
11	Non-ulcer Dyspepsia	14	All Fields	
12	Functional Dyspepsia*	1	All Fields	
13	OR / 1-12	423		
14	Helicobacter Pylori	10	MeSH	
15	Helicobacter Pylori	65	All Fields	
16	H. Pylori	49	All Fields	
17	Campylobacter Pylori	0	All Fields	
18	Helicobacter Infections	10	MeSH	
19	Helicobacter Infect*	18	All Fields	
20	Infect* Helicobacter	4	All Fields	
21	OR / 14-20	73		
22	Eradicat*	391	All Fields	
23	Eradicant*	0	All Fields	
24	Eliminat*	1 845	All Fields	
25	Anti-Bacterial Agents	296	MeSH	
26	Anti-Ulcer Agents	12	MeSH	
27	Anti-Ulcer Agent*	15	All Fields	
28	Anti Bacterial*	342	All Fields	
29	Antibacterial*	292	All Fields	
30	Bacteriocid*	41	All Fields	
31	OR / 22-30	2 370		
32	21 AND 31	54		
33	Anti-Helicobacter Pylori	3	All Fields	
34	Anti-Campylobacter Pylori	0	All Fields	
35	OR / 32-34	54		
36	13 AND 35	34		
	Total		9	

* KoreaMed Search Limits

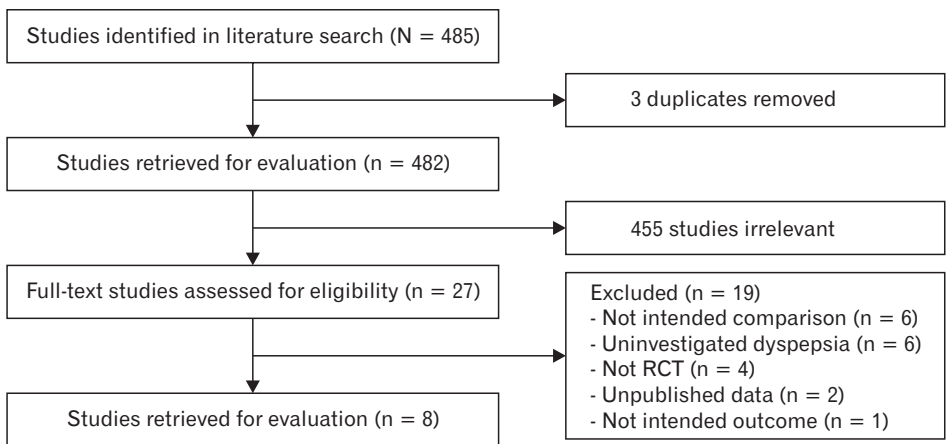
- a. Humans
- b. Adult (19+)
- c. English, Korean
- d. 2007~Curr.
- e. RCT/Clinical Trials/Meta-Analysis

No.	Keyword	Results	Search category	Remarks
1	Dyspepsia*	554	All Fields	
2	Dyspeptic	61	All Fields	
3	Indigest*	218	All Fields	
4	Maldigest*	3	All Fields	
5	Upset stomach	1	All Fields	
6	Stomach upset	2	All Fields	
7	OR / 1-6	636		Dyspepsia* [ALL] OR Dyspeptic [ALL] OR Indigest* [ALL] OR Maldigest* [ALL] OR "Upset stomach" [ALL] OR "Stomach upset"[ALL]
8	Helicobacter Pylori	1 182	All Fields	
9	H. Pylori	953	All Fields	
10	Campylobacter Pylori	1	All Fields	
11	Helicobacter Infect*	247	All Fields	
12	Infect* Helicobacter	14	All Fields	
13	OR / 8-12	1 251		"Helicobacter Pylori" [ALL] OR "H. Pylori" [ALL] OR "Campylobacter Pylori" [ALL] OR "Helicobacter Infect*" [ALL] OR "Infect* Helicobacter" [ALL]
14	Eradicat*	867	All Fields	
15	Eliminat*	1 483	All Fields	
16	Anti-Ulcer Agent*	47	All Fields	
17	Anti Bacterial*	3 689	All Fields	
18	Antibacterial*	290	All Fields	
19	Bacteriocid*	4	All Fields	

* KoreaMed Search Limits

- a. Humans
- b. Adult (19+)
- c. English, Korean
- d. 2007~Curr.
- e. RCT/Clinical Trials/Meta-Analysis

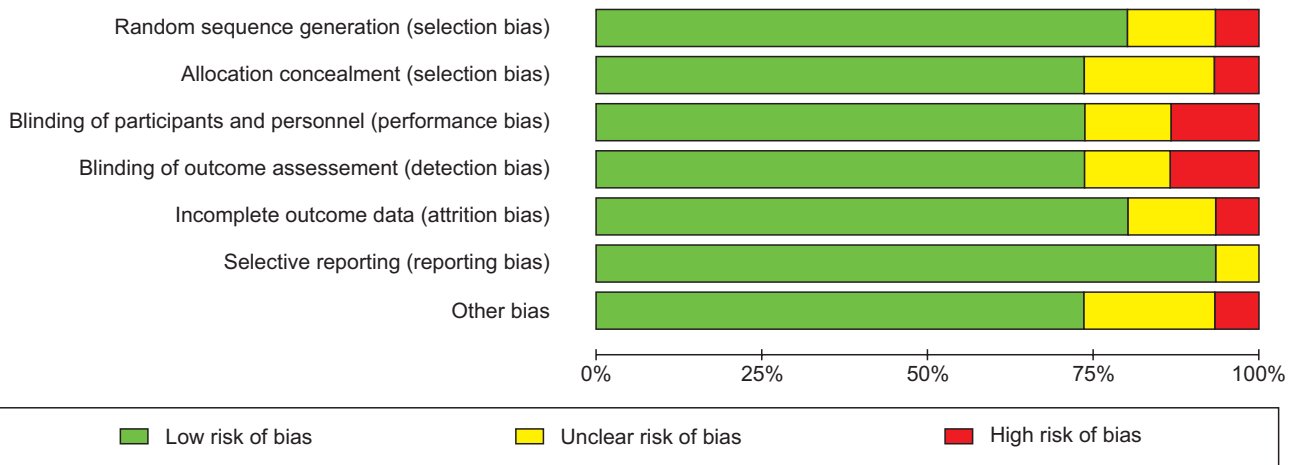
No.	Keyword	Results	Search category	Remarks
20	OR / 14-19	6 047		Eradicat* [ALL] OR Eliminat* [ALL] OR "Anti-Ulcer Agent*" [ALL] OR "Anti Bacterial*" [ALL] OR Antibacterial* [ALL] OR Bacteriocid* [ALL]
21	13 AND 20	493		("Helicobacter Pylori" [ALL] OR "H. Pylori" [ALL] OR "Campylobacter Pylori" [ALL] OR "Helicobacter Infect*" [ALL] OR "Infect* Helicobacter" [ALL]) AND (Eradicat* [ALL] OR Eliminat* [ALL] OR "Anti-Ulcer Agent*" [ALL] OR "Anti Bacterial*" [ALL] OR Antibacterial* [ALL] OR Bacteriocid* [ALL])
22	7 AND 21	43		("Helicobacter Pylori" [ALL] OR "H. Pylori" [ALL] OR "Campylobacter Pylori" [ALL] OR "Helicobacter Infect*" [ALL] OR "Infect* Helicobacter" [ALL]) AND (Eradicat* [ALL] OR Eliminat* [ALL] OR "Anti-Ulcer Agent*" [ALL] OR "Anti Bacterial*" [ALL] OR Antibacterial* [ALL] OR Bacteriocid* [ALL]) AND (Dyspepsia* [ALL] OR Dyspeptic [ALL] OR Indigest* [ALL] OR Mal-digest* [ALL] OR "Upset stomach" [ALL] OR "Stomach upset" [ALL])
	Total		14	



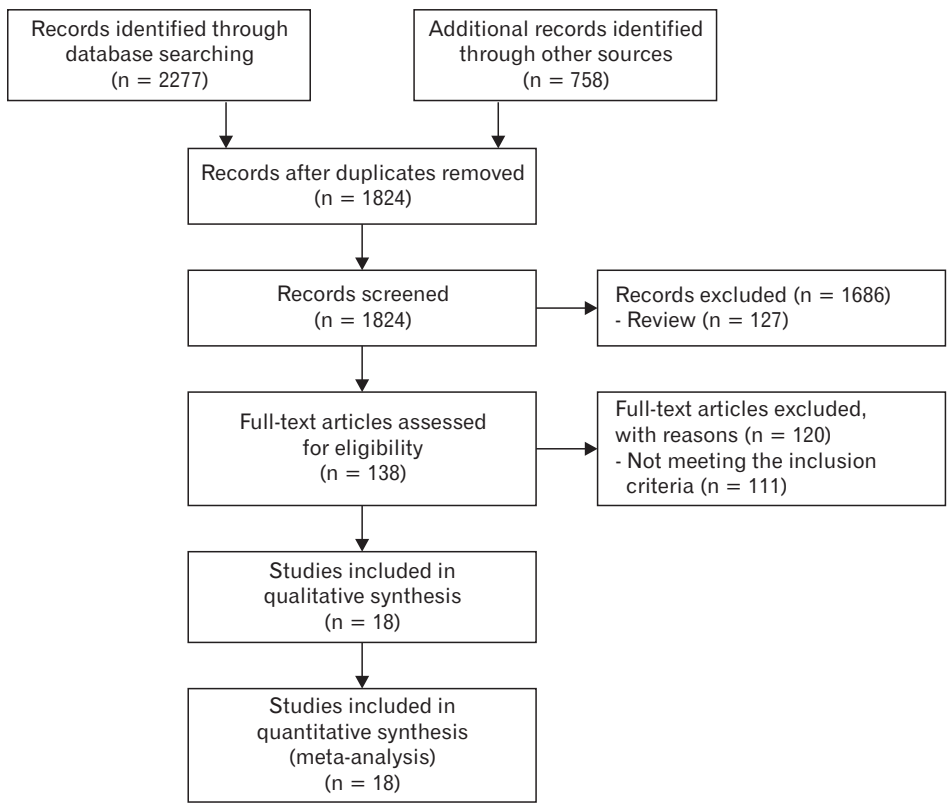
Supplementary Figure 1. PRISMA flow diagram of proton pump inhibitors. RCT, randomized controlled trial.

	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Armstrong 2005	●	●	●	●	●	●	●
Dewan 2011	●	●	●	●	●	●	●
Fletcher 2011	●	●	●	●	●	●	●
Gerson 2005	●	●	●	●	●	●	●
Iwakiri 2013	●	●	●	●	●	●	●
Kato 2005	●	●	●	●	●	●	●
Leung 2007	●	●	●	●	●	●	●
Maity 2014	●	●	●	●	●	●	●
Majewski 2016	●	●	●	●	●	●	●
Suzuki 2013	●	●	●	●	●	●	●
Talley 2007	●	●	●	●	●	●	●
Van Rensburg 2008	●	●	●	●	●	●	●
Van Zanten 2006	●	●	●	●	●	●	●
Van Zanten 2011	●	●	●	●	●	●	●
Veldhuyzen 2005	●	●	●	●	●	●	●

Supplementary Figure 2. Risk of bias summary of proton pump inhibitors on functional dyspepsia: review authors' judgements about each risk of bias item for each included study.



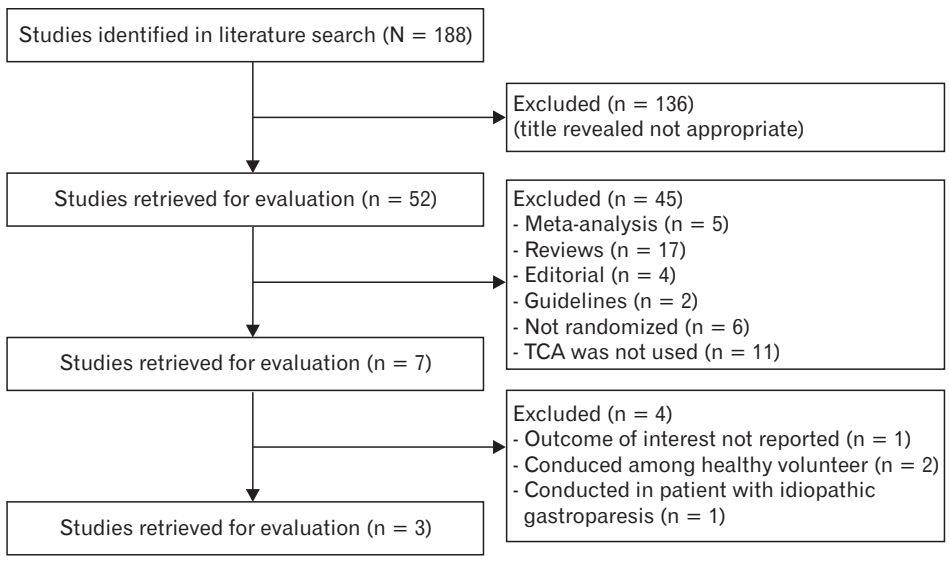
Supplementary Figure 3. Risk of bias graph of proton pump inhibitor on functional dyspepsia: review authors' judgements about each risk of bias item presented as percentages across all included studies.



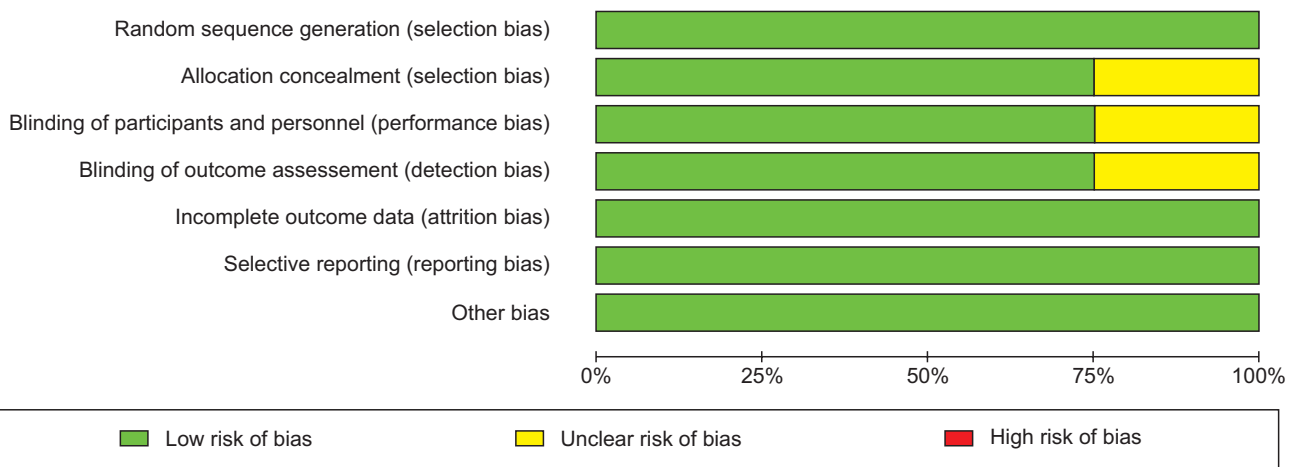
Supplementary Figure 4. PRISMA flow diagram of *Helicobacter pylori*.

	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Ang 2006	●	●	●	●	●	●	●
Blum 1998	●	●	●	●	●	●	●
Chiba 2002	●	●	●	●	●	●	●
Froehlich 2001	●	●	●	●	●	●	●
Gisbert 2004	●	●	●	●	●	●	●
Gwee 2009	●	●	●	●	●	●	●
Hsu 2001	●	●	●	●	●	●	●
Koskenpato 2001	●	●	●	●	●	●	●
Malfertheiner 2003	●	●	●	●	●	●	●
Mazzoleni 2006	●	●	●	●	●	●	●
Mazzoleni 2011	●	●	●	●	●	●	●
McColl 1998	●	●	●	●	●	●	●
Sodhi 2013	●	●	●	●	●	●	●
Talley 1999	●	●	●	●	●	●	●
Talley 1999 (ORCHID)	●	●	●	●	●	●	●
Varannes 2001	●	●	●	●	●	●	●
Yazdanbod 2015	●	●	●	●	●	●	●
Zanten 2003	●	●	●	●	●	●	●

Supplementary Figure 5. Risk of bias summary in *Helicobacter pylori* on functional dyspepsia: review authors' judgements about each risk of bias item for each included study.



Supplementary Figure 6. PRISMA flow diagram of tricyclic antidepressants. TCA, tricyclic antidepressant.



Supplementary Figure 7. Risk of bias graph of tricyclic antidepressants on functional dyspepsia: review authors' judgements about each risk of bias item presented as percentages across all included studies.

	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Braak 2011	●	●	●	●	●	●	●
Cheong 2018	●	●	●	●	●	●	●
Kaosambatwattana 2018	●	●	●	●	●	●	●
Talley 2015	●	●	●	●	●	●	●

Supplementary Figure 8. Risk of bias summary of tricyclic antidepressants on functional dyspepsia: review authors' judgements about each risk of bias item presented as percentages across all included studies.