

Supplementary File 1. Search strategy**PubMed**

- #1 amoxicillin[MeSH] OR "high dose amoxicillin"[tiab]
- #2 vonoprazan[tiab]
- #3 "Helicobacter pylori"[MeSH] OR "H. pylori"[tiab]
- #4 #1 AND #2 AND #3
- #5 "randomized controlled trial"[pt] OR "clinical trial"[pt]
- #6 "eradication rate"[tiab] OR efficacy[tiab] OR safety[tiab] OR randomly[tiab]
- #7 #5 OR #6
- #8 #4 AND #7

Embase

- #1 'amoxicillin'/exp
- #2 'high dose amoxicillin':ti,ab,kw
- #3 #1 OR #2
- #4 'vonoprazan'/exp
- #5 'Helicobacter pylori'/exp
- #6 'H. pylori':ti,ab,kw
- #7 #5 OR #6
- #8 'randomized controlled trial'/exp
- #9 'clinical trial':ti,ab,kw
- #10 'eradication rate':ti,ab,kw
- #11 'randomly':ti,ab,kw
- #12 'efficacy':ti,ab,kw
- #13 'safety':ti,ab,kw
- #14 #8 OR #9 OR #10 OR #11 OR #12 OR #13
- #15 #3 AND #4 AND #7 AND #14

Cochrane Library

- #1 MeSH descriptor: [amoxicillin] explode all trees
- #2 (high dose amoxicillin):ti,ab,kw
- #3 #1 OR #2
- #4 MeSH descriptor: [Helicobacter pylori] explode all trees
- #5 (H. pylori) :ti,ab,kw
- #6 #4 OR #5
- #7 MeSH descriptor: [randomized controlled trial] explode all trees
- #8 (clinical trial) :ti,ab,kw
- #9 (eradication rate) :ti,ab,kw
- #10 (efficacy) :ti,ab,kw
- #11 (safety) :ti,ab,kw
- #12 #7 OR #8 OR #9 OR #10 OR #11
- #13 (vonoprazan) :ti,ab,kw
- #14 #3 AND #6 AND #12 AND #13

Web of Science

- #1 TS=(amoxicillin OR "high dose amoxicillin")
- #2 TS=(vonoprazan)
- #3 TS=("Helicobacter pylori" OR H. pylori)
- #4 TS=("randomized controlled trial" OR "clinical trial" OR "eradication rate" OR efficacy OR safety OR randomly)
- #5 #1 AND #2 AND #3 AND #4

ClinicalTrials.gov

- #1 病症或疾病:幽门螺杆菌
- #2 干预/治疗:阿莫西林和维诺普拉赞
- #3 #1 和 #2