Appendix S1. Search strategy

**Embase.com**

(appendicitis/exp OR appendectomy/exp OR 'appendix perforation'/exp OR 'acute appendicitis'/exp OR (appendicitis OR postappendicitis OR postappendic\* OR appendectom\* OR appendicectom\* OR (appendi\* NEAR/3 (perforat\* OR rupture\*))):ab,ti) AND ('antibiotic agent'/exp OR 'antibiotic therapy'/exp OR 'antimicrobial therapy'/exp OR 'antiinfective agent'/exp OR 'antibiotic sensitivity'/exp OR (antibiotic\* OR antimicrob\* OR antiinfecti\* OR (anti NEXT/1 (biotic\* OR microb\* OR infecti\* ))):ab,ti) AND ('postoperative period'/de OR 'postoperative care'/de OR (postoperat\* OR postsurg\* OR ((post ) NEXT/1 (operat\* OR surg\* OR intervent\*))):ab,ti)

**Medline ovid**

(Appendicitis/ OR Appendectomy/ OR (appendicitis OR postappendicitis OR postappendic\* OR appendectom\* OR appendicectom\* OR (appendi\* ADJ3 (perforat\* OR rupture\*))).ab,ti.) AND (exp "Anti-Bacterial Agents"/ OR exp "Anti-Infective Agents"/ OR (antibiotic\* OR antimicrob\* OR antiinfecti\* OR (anti ADJ (biotic\* OR microb\* OR infecti\* ))).ab,ti.) AND ("Postoperative Period"/ OR "Postoperative Care"/ OR (postoperat\* OR postsurg\* OR ((post ) ADJ (operat\* OR surg\* OR intervent\*))).ab,ti.)

**Cochrane**

((appendicitis OR postappendicitis OR postappendic\* OR appendectom\* OR appendicectom\* OR (appendi\* NEAR/3 (perforat\* OR rupture\*))):ab,ti) AND ((antibiotic\* OR antimicrob\* OR antiinfecti\* OR (anti NEXT/1 (biotic\* OR microb\* OR infecti\* ))):ab,ti) AND ((postoperat\* OR postsurg\* OR ((post) NEXT/1 (operat\* OR surg\* OR intervent\*))):ab,ti)

**Web of science**

TS=(((appendicitis OR postappendicitis OR postappendic\* OR appendectom\* OR appendicectom\* OR (appendi\* NEAR/2 (perforat\* OR rupture\*)))) AND ((antibiotic\* OR antimicrob\* OR antiinfecti\* OR (anti NEAR/1 (biotic\* OR microb\* OR infecti\* )))) AND ((postoperat\* OR postsurg\* OR ((post ) NEAR/1 (operat\* OR surg\* OR intervent\*)))) )

**PubMed publisher 8**

(Appendicitis[mh] OR Appendectomy[mh] OR (appendicitis OR postappendicitis OR postappendic\*[tiab] OR appendectom\*[tiab] OR appendicectom\*[tiab] OR (appendi\*[tiab] AND (perforat\*[tiab] OR rupture\*[tiab])))) AND ("Anti-Bacterial Agents"[mh] OR "Anti-Infective Agents"[mh] OR (antibiotic\*[tiab] OR antimicrob\*[tiab] OR antiinfecti\*[tiab] OR anti biotic\*[tiab] OR anti microb\*[tiab] OR anti infecti\*[tiab] )) AND ("Postoperative Period"[mh] OR "Postoperative Care"[mh] OR (postoperat\*[tiab] OR postsurg\*[tiab] OR post operat\*[tiab] OR post surg\*[tiab] OR post intervent\*[tiab])) AND publisher[sb]

**Google scholar**

appendicitis|postappendicitis|appendectom antibiotic|antibiotics|antimicrobial|antiinfective|"anti biotic|biotics|microbial|infective" postoperative|postsurgical|"post operative|surgical"