

## Supplementary

### Supplementary Appendix 1. Search strategy

#### Medline (OVID) (254)

- 1 gastroparesis/
- 2 (gastropareses or gastroparesis or "gastro paresis" or "gastro pareses" or "stomach paresis").ti,ab,kw.
- 3 Gastric Emptying/ and (decreas\* or delay\* or slow\*).ti,ab,kw.
- 4 (Emptying adj3 (gastric or gastro\* or stomach)).ti,ab,kw.
- 5 ((decreas\* or delay\* or slow\*) adj3 (gastric or gastro\* or stomach) adj3 empt\*).ti,ab,kw.
- 6 ((stas#s or "partial paralysis") adj3 (intestin\* or gastric or stomach)).ti,ab,kw.
- 7 ((gastric or gastro\* or stomach) adj2 (muscular or muscle or neuromuscular or motor) adj2 (dysfunction or disturbanc\* or abnormal\* or disorder\* or decreas\*)).ti,ab,kw.
- 8 ((motility or d#smotility) adj2 (gastric or gastro\* or stomach)).ti,ab,kw.
- 9 (slow adj2 (motility or transit)).ti,ab,kw.
- 10 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9
- 11 SIBO.ti,ab,kw.
- 12 ((intestin\* or bowel\* or gut) adj3 bacteria\* adj3 (overgrow\* or "over grow\*")).ti,ab,kw.
- 13 (Bacteria\* adj2 Overgrow\* adj2 Syndrome\*).ti,ab,kw.
- 14 Blind Loop Syndrome/
- 15 ("Blind Loop" adj2 syndrome\*).ti,ab,kw.
- 16 (stagnant adj2 Loop adj2 Syndrome\*).ti,ab,kw.
- 17 ((bowel\* or intestin\*) adj5 loop\*).ti,ab,kw.
- 18 Bacterial Translocation/
- 19 (Bacteria\* adj2 translocation\*).ti,ab,kw.
- 20 exp Intestine, Small/
- 21 Malabsorption Syndromes/ or exp Bacterial Infections/ or exp Bacteria/
- 22 (("small intestin\*" or "short bowel") adj5 (bacteria\* or malabsorpt\* or absorb\*)).ti,ab,kw.
- 23 20 and 21
- 24 22 or 23
- 25 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 24
- 26 10 and 25
- 27 26 not (exp animals/ not humans.sh.)

#### Cochrane Library (26)

- #1 MeSH descriptor: [Gastroparesis] explode all trees
- #2 ((gastropareses OR gastroparesis OR "gastro paresis" OR "gastro pareses" OR "stomach paresis" )):ti,ab,kw
- #3 MeSH descriptor: [Gastric Emptying] this term only
- #4 (decreas\* OR delay\* OR slow\* ):ti,ab,kw
- #5 #3 AND #4
- #6 (Emptying NEAR/3 (gastric OR gastro\* OR stomach )):ti,ab,kw
- #7 ((decreas\* OR delay\* OR slow\* ) NEAR/3 (gastric OR gastro\* OR stomach) NEAR/3 empt\*):ti,ab,kw
- #8 ((stases OR stasis OR "partial paralysis") NEAR/3 (intestin\* OR gastric OR stomach)):ti,ab,kw
- #9 ((gastric OR gastro\* OR stomach ) NEAR/2 (muscular OR muscle OR neuromuscular OR motor) NEAR/2 (dysfunction OR disturbanc\* OR abnormal\* OR disorder\* OR decreas\*)):ti,ab,kw
- #10 ((motility OR d#smotility ) NEAR/2 (gastric OR gastro\* OR stomach )):ti,ab,kw
- #11 (slow NEAR/2 (motility OR transit)):ti,ab,kw
- #12 #1 OR #2 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11
- #13 SIBO:ti,ab,kw

#14 ((intestin\* OR bowel\* OR gut) NEAR/3 bacteria\* NEAR/3 (overgrow\* OR ("over" NEAR/2 grow\*)):ti,ab,kw  
 #15 (Bacteria\* NEAR/2 Overgrow\* NEAR/2 Syndrome\* ):ti,ab,kw  
 #16 MeSH descriptor: [Blind Loop Syndrome] this term only  
 #17 ("Blind Loop" NEAR/2 syndrome\* ):ti,ab,kw  
 #18 (stagnant NEAR/2 Loop NEAR/2 Syndrome\* ):ti,ab,kw  
 #19 ((bowel\* OR intestin\* ) NEAR/5 loop\*):ti,ab,kw  
 #20 MeSH descriptor: [Bacterial Translocation] this term only  
 #21 (Bacteria\* NEAR/2 translocation\* ):ti,ab,kw  
 #22 MeSH descriptor: [Intestine, Small] explode all trees  
 #23 MeSH descriptor: [Malabsorption Syndromes] this term only  
 #24 MeSH descriptor: [Bacterial Infections] explode all trees  
 #25 MeSH descriptor: [Bacteria] explode all trees  
 #26 #23 OR #24 OR #25  
 #27 #22 AND #26  
 #28 (("small intestin\*" or "short bowel") NEAR/5 (bacteria\* or malabsorpt\* or absorb\*)):ti,ab,kw  
 #29 #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20 or #21 OR #27 OR #28  
 #30 #12 AND #29

### **EMBASE (Elsevier) (600)**

No. Query

#21 #20 NOT ('animals'/exp NOT 'humans'/de)  
 #20 #9 AND #19  
 #19 #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18  
 #18 (('small intestin\*' OR 'short bowel') NEAR/5 (bacteria\* OR malabsorpt\* OR absorb\*)):ti,ab,kw  
 #17 'intestine, small'/exp AND ('malabsorption syndromes'/de OR 'bacterial infections'/exp OR 'bacteria'/exp)  
 #16 'bacterial translocation'/de OR ((bacteria\* NEAR/2 translocation\*):ti,ab,kw)  
 #15 ((bowel\* OR intestin\*) NEAR/5 loop\*):ti,ab,kw  
 #14 (stagnant NEAR/2 loop NEAR/2 syndrome\*):ti,ab,kw  
 #13 'blind loop syndrome'/de OR (('blind loop' NEAR/2 syndrome\*):ti,ab,kw)  
 #12 (bacteria\* NEAR/2 overgrow\* NEAR/2 syndrome\*):ti,ab,kw  
 #11 ((intestin\* OR bowel\* OR gut) NEAR/3 bacteria\* NEAR/3 (overgrow\* OR 'over grow\*')):ti,ab,kw  
 #10 'small intestinal bacterial overgrowth'/exp OR 'sibo':ti,ab,kw  
 #9 #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8  
 #8 (slow NEAR/2 (motility OR transit)):ti,ab,kw  
 #7 ((motility OR dismotility OR dysmotility) NEAR/2 (gastric OR gastro\* OR stomach)):ti,ab,kw  
 #6 ((gastric OR gastro\* OR stomach) NEAR/2 (muscular OR muscle OR neuromuscular OR motor) NEAR/2 (dysfunction OR disturbanc\* OR abnormal\* OR disorder\* OR decreas\*)):ti,ab,kw  
 #5 (('stasis' OR stases OR 'partial paralysis') NEAR/3 (intestin\* OR gastric OR stomach)):ti,ab,kw  
 #4 ((decreas\* OR delay\* OR slow\*) NEAR/3 (gastric OR gastro\* OR stomach) NEAR/3 empt\*):ti,ab,kw  
 #3 (emptying NEAR/3 (gastric OR gastro\* OR stomach)):ti,ab,kw  
 #2 'stomach emptying'/de AND (decreas\*:ti,ab,kw OR delay\*:ti,ab,kw OR slow\*:ti,ab,kw)  
 #1 'stomach paresis'/exp OR gastropareses:ti,ab,kw OR gastroparesis:ti,ab,kw OR 'gastro paresis':ti,ab,kw OR 'gastro pareses':ti,ab,kw OR 'stomach paresis':ti,ab,kw

### **Scopus (600)**

(( (TITLE-ABS-KEY ("gastropareses" OR "gastroparesis" OR "gastro paresis" OR "gastro pareses" OR "stomach paresis" )) OR (TITLE-ABS-KEY ("Gastric Emptying" AND (decreas\* OR delay\* OR slow\*))) OR (TITLE-ABS-KEY ("Emptying" W/3 ("gastric" OR "gastro\*" OR "stomach")))) OR (TITLE-ABS-KEY ("decreas\*" OR "delay\*" OR "slow\*") W/3 (gastric OR gastro\* OR stomach) W/3 ("empt\*

")) OR (TITLE-ABS-KEY(("stas?s" OR "PARTIAL PARALYSIS") W/3 ("intestin\*" OR "gastric" OR stomach))) OR (TITLE-ABS-KEY(("gastric" OR "gastro\*" OR "stomach") W/2 ("muscular" OR "muscle" OR "neuromuscular" OR "motor") W/2 ("dysfunction" OR "disturbanc\*" OR "abnormal\*" OR "disorder\*" OR "decreas\*")) OR (TITLE-ABS-KEY(("motility" OR "d?smotility") W/2 ("gastric" OR "gastro\*" OR "stomach"))) OR (TITLE-ABS-KEY("slow" W/2 ("motility" OR "transit"))) AND ((TITLE-ABS-KEY("SIBO")) OR (TITLE-ABS-KEY(("intestin\*" OR "bowel\*" OR "gut") W/3 "bacteria\*" W/3 ("overgrow\*" OR "overgrow\*"))) OR (TITLE-ABS-KEY("Bacteria\*" W/2 "overgrowth" W/2 "Syndrome\*")) OR (TITLE-ABS-KEY("Blind Loop" W/2 syndrome\*)) OR (TITLE-ABS-KEY("stagnant" W/2 loop W/2 syndrome\*)) OR (TITLE-ABS-KEY(("bowel\*" OR "intestin\*") W/5 "loop\*")) OR (TITLE-ABS-KEY("Bacteri\*" W/2 "translocation\*")) OR (TITLE-ABS-KEY(("small intestin\*" OR "short bowel") W/5 (bacteria\* OR malabsorpt\* OR absorb\*)))) AND NOT ((INDEXTERMS("animals") AND NOT INDEXTERMS("humans")))