**Supplement 1 – Online databases search strategy**

Search strategy, Pubmed 2.1.2020

1. (“Colorectal neoplasms” [MeSH Terms] OR “Colonic Neoplasms” [MeSH Terms] OR “Rectal Neoplasms” [MeSH Terms]) (195,390)
2. (Colon OR colonic\* OR Rectal OR Rectum OR Colorect\*) (470,478)
3. (Cancer OR cancers OR Neoplasm\* OR Tumor OR tumors OR tumoral OR Tumour\* OR carcinoma\* OR neoplasms [MeSH Terms]) (4,513,150)
4. 2 and 3 (299,417)
5. 1 or 4 (306,014)
6. (“Dietary Supplements” [MeSH Terms]) (72,485)
7. (Probiotic\* OR prebiotic\* OR synbiotic\* OR yeast OR (Dietary Supplement\*) (377,020)
8. (“Lactobacillus” [MeSH Terms] OR "Bifidobacterium"[Mesh] OR "Enterococcus faecium"[Mesh] OR "Saccharomyces boulardii"[Mesh] OR "Streptococcus thermophilus"[Mesh] OR "Bacillus coagulans"[Mesh] OR "Lactococcus lactis"[Mesh] ) (39,109)
9. (Lactobacill\* OR Acidophilus OR brevis OR casei OR delbrueckii OR bulgaricus OR fermentum OR johnsonii OR paracasei OR plantarum OR reuteri OR rhamnosus OR salivarius) (49,797)
10. (Bifidobacteri\* OR Adolescentis OR animalis OR bifidum OR breve OR longum OR Infantis OR lactis) (21,005)
11. Enterococc\* (34,724)
12. (faecalis OR Faecium OR durans) (23,200)
13. 11 AND 12 (20,482)
14. (coli AND nissle) (376)
15. ([Saccharomyces AND boulardii](https://de.wikipedia.org/wiki/Saccharomyces_boulardii)) (719)
16. (Streptococcus AND thermophilus) (2,013)
17. (Bacillus AND Coagulans) (591)
18. (Lactococcus ANDLactis) (6,247)
19. 6 OR 7 OR 8 OR 9 OR 10 OR 13 OR 14 OR 15 OR 16 OR 17 OR 18 (439,665)
20. ("Lactulose"[Mesh] OR "Raffinose"[Mesh] OR "Fructans"[Mesh] OR "Oligosaccharides"[Mesh] OR "Starch"[Mesh] OR "Pectins"[Mesh] OR "beta-Glucans"[Mesh] ) (140,211)
21. (Inulin OR Lactulose OR Lactitol OR Raffinose OR Stachyose OR Fructan\* OR Oligofructose OR oligosaccharide\* OR (oligo galactose) OR oligolactose OR arabinogalactan OR (resistant starch) OR RS1 OR RS2 OR RS3 OR Pectin OR Beta-glucan OR (beta glucan) ) (92,271)
22. 20 OR 21 (178,619)
23. 19 OR 22 (602,655)
24. ("Gastrointestinal Microbiome"[Mesh] OR "Signs and Symptoms, Digestive"[Mesh] OR "Quality of Life"[Mesh] OR "Survival"[Mesh] OR "Mortality"[Mesh] OR "Intestine, Large"[Mesh] OR "Immune System Phenomena/rehabilitation"[Mesh] OR "Postoperative Complications"[Mesh]) (1,317,962)
25. (Obstipation OR constipation OR diarrhea OR pain OR “Gastrointestinal symptom” OR “Gastrointestinal function" OR complications OR infection\* OR “surgical wound” OR postoperative OR “anastomotic leak” OR “short bowel syndrome” OR (Quality of life) OR HrQoL OR survival OR mortality OR Restoration OR amelioration OR Mucosa OR recovery OR conditioning OR repopulation OR restoration OR inflammat\* OR microbiota OR microbiome ) (8,200,202)
26. 24 OR 25 (8,330,099)
27. 5 AND 23 (4,795)
28. 27 AND 26 (2892)

With filters activated: Article types: Clinical Trial, Controlled Clinical Trial, Pragmatic Clinical Trial, Randomized Controlled Trial; Text availability: Abstract; Species: Humans.

**Total: 239**

**Web of Science adapted search 2.1.2020:**

Advanced search, field tag: TS, web of science core collection, article

1. (“Colorectal neoplasms” OR “Colonic Neoplasms” OR “Rectal Neoplasms”) (3881)

1. (Colon OR colonic\* OR Rectal OR Rectum OR Colorect\*) (329,722)
2. (Cancer OR cancers OR Neoplasm\* OR Tumor OR tumors OR tumoral OR Tumour\* OR carcinoma\*) (2,292,455)
3. 30 and 31 (224,741)
4. 1 or 4 (224,741)
5. (Probiotic\* OR prebiotic\* OR synbiotic\* OR yeast OR (dietary supplement\*) (314,786)
6. (Lactobacillus OR Bifidobacterium OR Enterococcus faecium OR Saccharomyces boulardii OR Streptococcus thermophilus OR Bacillus coagulans OR Lactococcus lactis) (64,587)
7. (Lactobacill\* OR Acidophilus OR brevis OR casei OR delbrueckii OR bulgaricus OR fermentum OR johnsonii OR paracasei OR plantarum OR reuteri OR rhamnosus OR salivarius) (55,084)
8. (Bifidobacteri\* OR Adolescentis OR animalis OR bifidum OR breve OR longum OR Infantis OR lactis) (27,746)
9. Enterococc\* (29,090)
10. (faecalis OR Faecium OR durans) (21,364)
11. 10 AND 11 (17,255)
12. (coli AND nissle) (428)
13. ([Saccharomyces AND boulardii](https://de.wikipedia.org/wiki/Saccharomyces_boulardii)) (1,043)
14. (Streptococcus AND thermophilus) (3,626)
15. (Bacillus AND Coagulans) (926)
16. (Lactococcus ANDLactis) (9,961)
17. (dietary supplement\*) (64,212)
18. #18 OR #6 OR #7 OR #8 OR #9 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 (377,049)
19. (Lactulose OR Raffinose OR Fructans OR Oligosaccharides OR Starch OR Pectins OR beta-Glucans) (155,267)
20. (Inulin OR Lactulose OR Lactitol OR Raffinose OR Stachyose OR Fructan\* OR Oligofructose OR oligosaccharide\* OR (oligo galactose) OR oligolactose OR arabinogalactan OR (resistant starch) OR RS1 OR RS2 OR RS3 OR Pectin OR Beta-glucan OR (beta glucan) ) (96,947)
21. 20 OR 21 (174,377)
22. 19 OR 22 (534,715)
23. ("Gastrointestinal Microbiome" OR ((Signs OR Symptoms) AND Digestive) OR "Quality of Life" OR Survival OR Mortality OR (Intestine AND Large) OR (“Immune System” AND (Phenomena OR rehabilitation)) OR "Postoperative Complications") (1,663,157)
24. (Obstipation OR constipation OR diarrhea OR pain OR “Gastrointestinal symptom” OR “Gastrointestinal function" OR complications OR infection\* OR “surgical wound” OR postoperative OR “anastomotic leak” OR “short bowel syndrome” OR (Quality of life) OR HrQoL OR survival OR mortality OR Restoration OR amelioration OR Mucosa OR recovery OR conditioning OR repopulation OR restoration OR inflammat\* OR microbiota OR microbiome) ([7,436,453](https://apps.webofknowledge.com/summary.do?product=WOS&doc=1&qid=65&SID=E1cgdudRF5Ydvdn2uJ2&search_mode=AdvancedSearch&update_back2search_link_param=yes))
25. 24 OR 25 (7,446,453)
26. 5 AND 23 (5,266)
27. 27 AND 26 (2,499)

### Results: 1,198

*(from Web of Science Core Collection)*

**You searched for:** #27 AND #26

**Refined by:** **WEB OF SCIENCE CATEGORIES:** ( ONCOLOGY OR NUTRITION DIETETICS OR GASTROENTEROLOGY HEPATOLOGY ) AND **DOCUMENT TYPES:** ( ARTICLE ) **Timespan:** All years. **Indexes:** SCI-EXPANDED.

**Synbiotics Cochrane library search 2 January 2020**

Search Name: Synbiotics 2-1-2020

Date Run: 02/01/2020 20:36:15

Comment: #52 is the final search. limit: clinical trials

ID Search Hits

#1 MeSH descriptor: [Colorectal Neoplasms] explode all trees 7436

#2 MeSH descriptor: [Colonic Neoplasms] explode all trees 1612

#3 MeSH descriptor: [Rectal Neoplasms] explode all trees 1665

#4 MeSH descriptor: [Neoplasms] explode all trees 72725

#5 MeSH descriptor: [Dietary Supplements] explode all trees 11667

#6 MeSH descriptor: [Lactobacillus] explode all trees 1534

#7 MeSH descriptor: [Bifidobacterium] explode all trees 682

#8 MeSH descriptor: [Enterococcus faecium] explode all trees 29

#9 MeSH descriptor: [Enterococcus faecium] explode all trees 29

#10 MeSH descriptor: [Streptococcus thermophilus] explode all trees 50

#11 MeSH descriptor: [Bacillus coagulans] explode all trees 6

#12 MeSH descriptor: [Lactococcus lactis] explode all trees 16

#13 MeSH descriptor: [Lactulose] explode all trees 411

#14 MeSH descriptor: [Raffinose] explode all trees 75

#15 MeSH descriptor: [Fructans] explode all trees 246

#16 MeSH descriptor: [Oligosaccharides] explode all trees 3093

#17 MeSH descriptor: [Starch] explode all trees 1447

#18 MeSH descriptor: [Pectins] explode all trees 114

#19 MeSH descriptor: [beta-Glucans] explode all trees 206

#20 MeSH descriptor: [Gastrointestinal Microbiome] explode all trees 366

#21 MeSH descriptor: [Signs and Symptoms, Digestive] explode all trees 14194

#22 MeSH descriptor: [Quality of Life] explode all trees 22570

#23 MeSH descriptor: [Survival] explode all trees 130

#24 MeSH descriptor: [Mortality] explode all trees 13004

#25 MeSH descriptor: [Intestine, Large] explode all trees 3166

#26 MeSH descriptor: [Postoperative Complications] explode all trees 37812

#27 (\*Colorectal neoplasms OR Colonic Neoplasms OR Rectal Neoplasms) in Cochrane Reviews (Word variations have been searched) 276

#28 (Colon OR colonic\* OR Rectal OR Rectum OR Colorect\*) in Cochrane Reviews (Word variations have been searched) 1019

#29 ((Colon OR colonic\* OR Rectal OR Rectum OR Colorect\*) AND (Cancer OR cancers OR Neoplasm\* OR Tumor OR tumors OR tumoral OR Tumour\* OR carcinoma\* OR neoplasms)) in Cochrane Reviews (Word variations have been searched) 625

#30 (Probiotic\* OR prebiotic\* OR synbiotic\* OR yeast OR (dietary supplement\*)) in Cochrane Reviews (Word variations have been searched) 812

#31 (Dietary Supplements) in Cochrane Reviews (Word variations have been searched) 581

#32 ((Colorectal neoplasms OR Colonic Neoplasms OR Rectal Neoplasms) OR ((Colon OR colonic\* OR Rectal OR Rectum OR Colorect\*) OR (Cancer OR cancers OR Neoplasm\* OR Tumor OR tumors OR tumoral OR Tumour\* OR carcinoma\* OR neoplasms))) in Cochrane Reviews (Word variations have been searched) 3083

#33 (Lactobacillus OR Bifidobacterium OR Enterococcus faecium OR Saccharomyces boulardii OR Streptococcus thermophilus OR Bacillus coagulans OR Lactococcus lactis) in Cochrane Reviews (Word variations have been searched) 72

#34 (Lactobacill\* OR Acidophilus OR brevis OR casei OR delbrueckii OR bulgaricus OR fermentum OR johnsonii OR paracasei OR plantarum OR reuteri OR rhamnosus OR salivarius) in Cochrane Reviews (Word variations have been searched) 92

#35 (Bifidobacteri\* OR Adolescentis OR animalis OR bifidum OR breve OR longum OR Infantis OR lactis) in Cochrane Reviews (Word variations have been searched) 468

#36 (Enterococc\*) in Cochrane Reviews (Word variations have been searched) 79

#37 #35 AND # 36 401

#38 (coli AND nissle):ti,ab,kw in Cochrane Reviews (Word variations have been searched) 1

#39 (Saccharomyces AND boulardii):ti,ab,kw in Cochrane Reviews (Word variations have been searched) 3

#40 (Streptococcus AND thermophilus):ti,ab,kw in Cochrane Reviews (Word variations have been searched) 1

#41 (Bacillus AND Coagulans):ti,ab,kw in Cochrane Reviews (Word variations have been searched) 0

#42 #5 OR #30 OR (#6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12) OR #34 OR #35 OR (#36 AND (faecalis OR Faecium OR durans)) OR #38 OR #39 OR #40 OR #41 OR (Lactococcus AND Lactis) 13314

#43 {OR #13-#19} 4752

#44 Inulin OR Lactulose OR Lactitol OR Raffinose OR Stachyose OR Fructan\* OR Oligofructose OR oligosaccharide\* OR (oligo galactose) OR oligolactose OR arabinogalactan OR (resistant starch) OR RS1 OR RS2 OR RS3 OR Pectin OR Beta-glucan OR (beta glucan) 4823

#45 #43 OR #44 8093

#46 #42 OR #45 20677

#47 {OR #20-#26} 83844

#48 Obstipation OR constipation OR diarrhea OR pain OR "Gastrointestinal symptom" OR "Gastrointestinal function" OR complications OR infection\* OR "surgical wound" OR postoperative OR "anastomotic leak" OR "short bowel syndrome" OR (Quality of life) OR HrQoL OR survival OR mortality OR Restoration OR amelioration OR Mucosa OR recovery OR conditioning OR repopulation OR restoration OR inflammat\* OR microbiota OR microbiome 670219

#49 #47 OR #48 675266

#50 {OR #1-#3} OR (#29 OR #4) 73087

#51 #50 AND #46 1038

#52 **#51 AND #49 in Trials 569**

**Clinicaltrails\_gov search** 2 JAN 2020

Search terms:

**Condition or disease:** colo-rectal cancer

**Other terms**: **probiotic OR prebiotic OR synbiotic OR dietary supplement OR Bifidobacterium OR Lactobacillus**

* Applied Filters: ** Completed  Terminated Unknown status**  **Active, not recruiting**

**No of results:** 96

**World Health Organization international clinical trials**

**3.1.2020**

<http://apps.who.int/trialsearch/AdvSearch.aspx>

3 records for 3 trials found!

Condition: “colorectal cancer” OR “colorectal neoplasm” OR “rectal neoplasm” OR “colon cancer”

Intervention: probiotic OR prebiotic OR synbiotic OR dietary supplement

Phases: all

Recruitment status: all

**With results only**

Synonyms in search:

 COLORECTAL CANCER, COLORECTAL NEOPL, COLORECTAL TUMOR, COLORECTAL TUMORS, NEOPL COLORECTAL, NEOPLASM OF LARGE COLON, NEOPLASM OF LARGE COLON (DISORDER), NEOPLASM OF LARGE INTESTINE, NEOPLASM OF LARGE INTESTINE (DIAGNOSIS), NEOPLASM OF LARGE INTESTINE (DISORDER), NEOPLASM OF THE LARGE INTESTINE, NEOPLASM, COLORECTAL, NEOPLASMS, COLORECTAL, TUMOR OF LARGE INTESTINE, TUMOR, COLORECTAL, TUMORS, COLORECTAL, TUMOUR OF LARGE INTESTINE, colorectal neoplasm - CANCER, COLORECTAL, CANCERS, COLORECTAL, CARCINOMA OF LARGE INTESTINE, CARCINOMA OF LARGE INTESTINE (DIAGNOSIS), CARCINOMA OF THE LARGE BOWEL, CARCINOMA OF THE LARGE INTESTINE, CARCINOMA, COLORECTAL, CARCINOMA;BOWEL;LARGE, CARCINOMA;INTESTINE;LARGE, CARCINOMAS, COLORECTAL, COLO-RECTAL CANCER, COLON RECTAL CANCER, COLON/RECTAL CANCER, COLORECTAL CARCINOMA, COLORECTAL CARCINOMAS, CRC, LARGE INTESTINE CARCINOMA, colorectal cancer - NEOPL RECTAL, NEOPLASM OF RECTUM, NEOPLASM OF RECTUM (DIAGNOSIS), NEOPLASM OF RECTUM (DISORDER), NEOPLASM OF THE RECTUM, NEOPLASM, RECTAL, NEOPLASM, RECTUM, NEOPLASMS, RECTAL, NEOPLASMS, RECTUM, RECTAL NEOPL, RECTAL TUMOR, RECTAL TUMOR OR CANCER, RECTUM NEOPL, RECTUM NEOPLASM, RECTUM NEOPLASMS, RECTUM--TUMORS, TUMOR OF RECTUM, TUMOUR OF RECTUM, rectal neoplasm - CANCER OF COLON, CANCER OF THE COLON, CANCER, COLON, CANCER, COLONIC, CANCERS, COLON, CANCERS, COLONIC, CARCINOMA COLON, CARCINOMA OF COLON, CARCINOMA OF COLON (DISORDER), CARCINOMA OF THE COLON, CARCINOMA;COLON, COLON CARCINOMA, COLON NEOPLASM, COLON NOS CANCER, COLON, CARCINOMA, COLON, UNSPECIFIED, COLONIC CANCER, COLONIC CANCER NOS, COLONIC CANCERS, COLORECTAL NEOPLASMS MALIGNANT, GASTRIC CANCER, LARGE INTESTINE CANCER, LARGE INTESTINE CANCER (DIAGNOSIS), MALIGNANT COLON NEOPLASM, MALIGNANT COLONIC TUMOR, MALIGNANT COLORECTAL NEOPLASM, MALIGNANT LARGE INTESTINAL NEOPLASM NOS, MALIGNANT NEO COLON NOS, MALIGNANT NEOPLASM OF COLON, MALIGNANT NEOPLASM OF COLON, NOS, MALIGNANT NEOPLASM OF COLON, UNSPECIFIED, MALIGNANT NEOPLASM OF COLON, UNSPECIFIED PART, MALIGNANT NEOPLASM OF COLON, UNSPECIFIED SITE, MALIGNANT NEOPLASM OF LARGE INTESTINE, MALIGNANT NEOPLASM OF LARGE INTESTINE (DIAGNOSIS), MALIGNANT NEOPLASM OF LARGE INTESTINE NOS, MALIGNANT NEOPLASM OF LARGE INTESTINE, NOS, MALIGNANT NEOSPLASM OF THE LARGE BOWEL, MALIGNANT NEOSPLASM OF THE LARGE INTESTINE, MALIGNANT TUMOR LARGE INT, MALIGNANT TUMOR OF COLON, MALIGNANT TUMOR OF COLON (DISORDER), MALIGNANT TUMOR OF LARGE INTESTINE, MALIGNANT TUMOR OF LARGE INTESTINE (DISORDER), MALIGNANT TUMOUR LARGE INT, MALIGNANT TUMOUR OF COLON, MALIGNANT TUMOUR OF LARGE INTESTINE, NEOPLASM MALIG;BOWEL;LARGE, NEOPLASM MALIG;INTESTINE;LARGE, colon cancer - FOOD SUPPLEMENT, FOOD SUPPLEMENTATIONS, FOOD SUPPLEMENTS, NUTRIENT SUPPLEMENTATION, NUTRIENT SUPPLEMENTATION (PRODUCT), NUTRITIONAL SUPPLEMENT, NUTRITIONAL SUPPLEMENT (PRODUCT), NUTRITIONAL SUPPLEMENT (SUBSTANCE), NUTRITIONAL SUPPLEMENTS, SUPPLEMENT, DIETARY, SUPPLEMENT, FOOD, SUPPLEMENTAL NUTRITION, SUPPLEMENTATIONS, DIETARY, SUPPLEMENTS, DIETARY, SUPPLEMENTS, FOOD, dietary supplement - synbiotic - probiotic - prebiotic

Embase 3-1-2020

Top of Form

#23 AND #21 AND ([controlled clinical trial]/lim OR [randomized controlled trial]/lim) AND [humans]/lim AND [clinical study]/lim AND [embase]/lim AND [1-1-2000]/sd NOT [4-1-2020]/sd

[331](https://www.embase.com/)

**#23**

#22 AND #18

[15,757](https://www.embase.com/)

**#22**

#1 OR #2 OR **'neoplasm'**

[1,327,464](https://www.embase.com/)

**#21**

#19 OR #20

[9,971,611](https://www.embase.com/)

**#20**

**obstipation** OR **constipation** OR **diarrhea** OR **pain** OR **'gastrointestinal symptom'** OR **'gastrointestinal function'** OR **complications** OR **infection\*** OR **'surgical wound'** OR **postoperative** OR **'anastomotic leak'** OR **'short bowel syndrome'** OR (**quality** AND **of** AND **life**) OR **hrqol** OR **survival** OR **mortality** OR **amelioration** OR **mucosa** OR **recovery** OR **conditioning** OR **repopulation** OR **restoration** OR **inflammat\*** OR **microbiota** OR **microbiome**

[9,933,861](https://www.embase.com/)

**#19**

((**gastrointestinal** AND **microbiome** OR **signs**) AND **symptoms,** AND **digestive** OR **quality**) AND **of** AND **life** OR **survival** OR **mortality** OR **'large intestine'** OR **'postoperative complication'**

[3,830,825](https://www.embase.com/)

**#18**

#14 OR #17

[605,035](https://www.embase.com/)

**#17**

#15 OR #16

[154,618](https://www.embase.com/)

**#16**

**inulin** OR **lactulose** OR **lactitol** OR **raffinose** OR **stachyose** OR **fructan\*** OR **oligofructose** OR **oligosaccharide\*** OR (**oligo** AND **galactose**) OR **oligolactose** OR **arabinogalactan** OR (**resistant** AND **starch**) OR **rs1** OR **rs2** OR **rs3** OR **pectin** OR **'beta glucan'** OR (**beta** AND **glucan**)

[106,218](https://www.embase.com/)

**#15**

**lactulose** OR **raffinose** OR **fructans** OR **oligosaccharides** OR **starch** OR **pectins** OR **'beta glucan'**

[100,998](https://www.embase.com/)

**#14**

#4 OR #3 OR #7 OR #8 OR (#9 AND (**faecalis** OR **faecium** OR **durans**)) OR #10 OR #11 OR #12 OR #13 OR (**lactococcus** AND **lactis**)

[467,209](https://www.embase.com/)

**#13**

**bacillus** AND **coagulans**

[887](https://www.embase.com/)

**#12**

**streptococcus** AND **thermophilus**

[3,402](https://www.embase.com/)

**#11**

**saccharomyces** AND **boulardii**

[1,998](https://www.embase.com/)

**#10**

**coli** AND **nissle**

[618](https://www.embase.com/)

**#9**

**enterococc\***

[60,765](https://www.embase.com/)

**#8**

**bifidobacteri\*** OR **adolescentis** OR **animalis** OR **bifidum** OR **breve** OR **longum** OR **infantis** OR **lactis**

[37,455](https://www.embase.com/)

**#7**

**lactobacill\*** OR **acidophilus** OR **brevis** OR **casei** OR **delbrueckii** OR **bulgaricus** OR **fermentum** OR **johnsonii** OR **paracasei** OR **plantarum** OR **reuteri** OR **rhamnosus** OR **salivarius**

[70,625](https://www.embase.com/)

**#6**

(((((**lactobacillus** OR **bifidobacterium** OR **enterococcus**) AND **faecium** OR **saccharomyces**) AND **boulardii** OR **streptococcus**) AND **thermophilus** OR **bacillus**) AND **coagulans** OR **lactococcus**) AND **lactis**

[7,871](https://www.embase.com/)

**#5**

((**colorectal** AND **neoplasms** OR **colonic**) AND **neoplasms** OR **rectal**) AND **neoplasms** OR **colon** OR **colonic\*** OR **rectal** OR **rectum** OR **colorect\*** OR **cancer** OR **cancers** OR **neoplasm\*** OR **tumor** OR **tumors** OR **tumoral** OR **tumour\*** OR **carcinoma\*** OR **neoplasms**

[6,269,855](https://www.embase.com/)

**#4**

**dietary** AND **supplements**

[24,579](https://www.embase.com/)

**#3**

**probiotic\*** OR **prebiotic\*** OR **synbiotic\*** OR **yeast** OR (**dietary** AND **supplement\***)

[369,775](https://www.embase.com/)

**#2**

(**colon** OR **colonic\*** OR **rectal** OR **rectum** OR **colorect\***) AND (**cancer** OR **cancers** OR **neoplasm\*** OR **tumor** OR **tumors** OR **tumoral** OR **tumour\*** OR **carcinoma\*** OR **neoplasms**)

[507,793](https://www.embase.com/)

**#1**

((**colorectal** AND **neoplasms** OR **colonic**) AND **neoplasms** OR **rectal**) AND **neoplasms** AND [1-1-2000]/sd NOT [4-1-2020]/sd

[11,827](https://www.embase.com/)

Bottom of Form

331 results for search #24

Set email alertSet RSS feedSearch detailsIndex miner

SourcesEmbase, MEDLINE

Query(((colorectal AND neoplasms OR colonic) AND neoplasms OR rectal) AND neoplasms AND [1-1-2000]/sd NOT [4-1-2020]/sd OR ((colon OR colonic\* OR rectal OR rectum OR colorect\*) AND (cancer OR cancers OR neoplasm\* OR tumor OR tumors OR tumoral OR tumour\* OR carcinoma\* OR neoplasms)) OR 'neoplasm') AND (dietary AND supplements OR probiotic\* OR prebiotic\* OR synbiotic\* OR yeast OR (dietary AND supplement\*) OR lactobacill\* OR acidophilus OR brevis OR casei OR delbrueckii OR bulgaricus OR fermentum OR johnsonii OR paracasei OR plantarum OR reuteri OR rhamnosus OR salivarius OR bifidobacteri\* OR adolescentis OR animalis OR bifidum OR breve OR longum OR infantis OR lactis OR (enterococc\* AND (faecalis OR faecium OR durans)) OR (coli AND nissle) OR (saccharomyces AND boulardii) OR (streptococcus AND thermophilus) OR (bacillus AND coagulans) OR (lactococcus AND lactis) OR fructans OR oligosaccharides OR starch OR pectins OR inulin OR lactulose OR lactitol OR raffinose OR stachyose OR fructan\* OR oligofructose OR oligosaccharide\* OR (oligo AND galactose) OR oligolactose OR arabinogalactan OR (resistant AND starch) OR rs1 OR rs2 OR rs3 OR pectin OR 'beta glucan' OR (beta AND glucan)) AND (((gastrointestinal AND microbiome OR signs) AND symptoms, AND digestive OR quality) AND of AND life OR 'large intestine' OR 'postoperative complication' OR obstipation OR constipation OR diarrhea OR pain OR 'gastrointestinal symptom' OR 'gastrointestinal function' OR complications OR infection\* OR 'surgical wound' OR postoperative OR 'anastomotic leak' OR 'short bowel syndrome' OR (quality AND of AND life) OR hrqol OR survival OR mortality OR amelioration OR mucosa OR recovery OR conditioning OR repopulation OR restoration OR inflammat\* OR microbiota OR microbiome) AND ([controlled clinical trial]/lim OR [randomized controlled trial]/lim) AND [humans]/lim AND [clinical study]/lim AND [embase]/lim AND [1-1-2000]/sd NOT [4-1-2020]/sd

(75 doubles were removed from results -> 256 exported into Endnote library)