

## Microbiome Information for: Coagulation / Micro clot triggering bacteria

### For prescribing Medical professionals Review

The suggestions below are based on an Expert System (Artificial Intelligence) modelled after the MYCIN Expert System produced at Stanford University School of Medicine in 1972. The system uses over 1,800,000 facts with backward chaining to sources of information. The typical sources are studies published on the US National Library of Medicine.

Many recent studies has found that symptoms and symptom severity has strong associations to the microbiome for many conditions. Correcting the microbiome dysfunction is beleived to reduce the severity of symptoms. In some cases, this correction may cause symptoms to disappear.

These are a *a priori suggestions* that are predicted to independently reduce microbiome dysfunction. Suggestions should *only be done after a review* by a medical professional factoring in patient's conditions, allergies and other issues.

**This report may be freely shared by a patient to their medical professionals**

---

Best practise for making microbiome adjustments is to obtain the individuals microbiome. The following are the best microbiome to use with this expert system model. The suggestions below are intended as temporary suggestions until a test result in received.

In the USA

Ombre (<https://www.ombrelab.com/>)

Thome (<https://www.thome.com/products/dp/gut-health-test>)

Worldwide: BiomeSight (<https://biomesight.com>) - Discount Code 'MICRO'

### Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

892 Lake Samish Rd, Bellingham WA 98229

Email: [Research@MicrobiomePrescription.com](mailto:Research@MicrobiomePrescription.com)

## Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Coagulation / Micro clot triggering bacteria

*Nota Bena:* Many studies are done with a small sample size or mixtures of condition subsets which can greatly diminish the ability to detect bacteria shifts.

<b>Bacteria Name</b>	<b>Rank</b>	<b>Shift</b>	<b>Taxonomy ID</b>	<b>Bacteria Name</b>	<b>Rank</b>	<b>Shift</b>	<b>Taxonomy ID</b>
Streptococcaceae	family	Low	1300	Shigella	genus	High	620
Acinetobacter	genus	High	469	Streptococcus	genus	Low	1301
Anaerostipes	genus	Low	207244	Subdoligranulum	genus	Low	292632
Bacillus	genus	High	1386	Succinatimonas	genus	High	674963
Bacillus	genus	High	55087	Lactobacillales	order	Low	186826
Butyrivibrio	genus	Low	830	ATCC 49882	species	High	38323
Christensenella	genus	High	990721	ATCC VR-2282	species	High	83558
Citrobacter	genus	High	544	Burkholderia pseudomallei	species	High	28450
Dialister	genus	Low	39948	Escherichia coli	species	High	562
Eisenbergiella	genus	Low	1432051	Haemophilus influenzae	species	High	727
Enterobacter	genus	High	547	Haemophilus parainfluenzae	species	High	729
Escherichia	genus	High	561	Helicobacter pylori	species	High	210
Eubacterium	genus	Low	1730	Klebsiella pneumoniae	species	High	573
Parabacteroides	genus	High	375288	Mycoplasma pneumoniae	species	High	2104
Paraprevotella	genus	High	577309	Porphyromonas gingivalis	species	High	837
Pseudobutyrvibrio	genus	Low	46205	Pseudomonas aeruginosa	species	High	287
Roseburia	genus	Low	841	Staphylococcus aureus	species	High	1280
Ruminococcus	genus	Low	1263	Streptococcus pneumoniae	species	High	1313
				Streptococcus pyogenes	species	High	1314

## Substance to Consider Adding or Taking

These are the most significant substances that are likely to improve the microbiome dysfunction. Dosages are based on the dosages used in clinical studies. For more information see: <https://microbiomeprescription.com/library/dosages>. These are provided as examples only

Colors indicates the type of substance: i.e. probiotics and prebiotics, herbs and spices, etc. There is no further meaning to them.

Antibiotics annotated with [CFS] have been used with various degree of success with Myalgic Encephalomyelitis, Chronic Fatigue Syndrome, Chronic Lyme, Chronic Q-Fever and Long COVID conditions. Rotation of antibiotics with 3 weeks off between courses is recommended.

**5-fluorouracil,(prescription)**  
 aspartame (sweetner)  
 beef  
**bifidobacterium longum bb536 (probiotics)**  
 cadium  
 camelina seed  
**carboxymethyl cellulose (prebiotic)**  
 carob  
**cinoxacin (antibiotic)**  
**colinfant e.coli probiotics**  
 d-ribose 10 gram/day  
**enoxacin (antibiotic)**  
**fleroxacin (antibiotic)**  
 floxuridine,(prescription)  
**flumequine (antibiotic)**  
 fluorine  
 gluten-free diet  
 high-protein diet  
 iron 400 mg/day  
 ku ding cha tea  
**l-glutamine 5 gram/day**  
**linseed(flaxseed) 30 mg/day**  
**lomefloxacin hydrochloride (antibiotic)**  
**loperamide hydrochloride,(prescription)**  
 low carbohydrate diet  
**mannooligosaccharide (prebiotic) 8 gram/day**  
**melatonin supplement 10 mg/day**  
 metformin (prescription)  
**nalidixic acid sodium salt (antibiotic)**  
**oxolinic acid (antibiotic)**  
**pefloxacine (antibiotic)**  
**pipemidic acid (antibiotic)**  
**pivmecillinam hydrochloride (antibiotic)**  
 proton-pump inhibitors (prescription) 60 mg/day  
 quercetin, resveratrol  
 red alga *Laurencia tristicha*  
**ribostamycin sulfate salt (antibiotic)**  
**rifaximin (antibiotic)s 1600 mg/day**  
 risperidone,(prescription)  
 SAM-e  
**sisomicin sulfate (antibiotic)**  
 smoking  
**spectinomycin dihydrochloride (antibiotic)**  
**symbioflor 2 e.coli probiotics**  
 thioguanosine,(prescription)  
**triclosan**  
 vegetable/fruit juice-based diets  
**Vitamin B9,folic acid 5 mg/day**  
 zidovudine; azt,(prescription)

## **Retail Probiotics**

Over 260 retail probiotics were evaluated with the following deemed beneficial with no known adverse risks.

symbiopharm / symbioflo 2  
PharmExtracta (IT) / FG5 Forte In Sachets  
PrecisionBiotics / Zenflore  
Microbiome Labs / ZENBIOME Dual  
SuperSmart / Bifidobacterium longum (BB536)  
powerlabs (au) / ultra blend

**Note:** Some of these are only available regionally – search the web for sources.

## Substance to Consider Reducing or Eliminating

These are the most significant substances have been identified as probably contributing to the microbiome dysfunction.

In some cases blood work may show low levels of some vitamins, etc. listed below. This may be due to *greedy* bacteria reported at a high level above. Viewing bacteria data on the Kyoto Encyclopedia of Genes and Genomes (<https://www.kegg.jp/>) may provide better insight on the course of action to take.

amikacin (antibiotic)s  
amoxicillin (antibiotic)s[CFS]  
ampicillin (antibiotic)s[CFS]  
barley  
benzylpenicillin sodium (antibiotic)  
ceftazidime (antibiotic)s  
ciprofloxacin (antibiotic)s[CFS]  
Curcumin  
fluoroquinolone (antibiotic)s

gentamicin (antibiotic)s  
imipenem (antibiotic)s  
inulin (prebiotic)  
lactobacillus plantarum (probiotics)  
lactobacillus rhamnosus gg (probiotics)  
oregano (origanum vulgare, oil) |  
piperacillin-tazobactam (antibiotic)s  
thyme (thymol, thyme oil)  
trimethoprim (antibiotic)s  
vancomycin (antibiotic)[CFS]

## Sample of Literature Used

The following are the most significant of the studies used to generate these suggestions.

### [Gut Microbiota Dysbiosis in Patients with Intracranial Sino-Venous Thrombosis and Acute Ischemic Stroke in the Young](#)

*Annals of Indian Academy of Neurology* , Volume: 25 Issue: 5 2022 Sep-Oct  
 Authors Prabhu VA,Rajput V,Yadav R,Gohil K,Dharne MS,Unnikrishnan MK,Gorthi SP

### [Large-scale correlation analysis of deep venous thrombosis and gut microbiota.](#)

*Frontiers in cardiovascular medicine* , Volume: 9 2022  
 Authors Yang M,Luo P,Zhang F,Xu K,Feng R,Xu P

### [Gut Microbiota and Coronary Plaque Characteristics.](#)

*Journal of the American Heart Association* , Volume: 11 Issue: 17 2022 Sep 6  
 Authors Nakajima A,Mitomo S,Yuki H,Araki M,Seegers LM,McNulty I,Lee H,Kuter D,Ishibashi M,Kobayashi K,Dijkstra J,Onishi H,Yabushita H,Matsuoka S,Kawamoto H,Watanabe Y,Tanaka K,Chou S,Naganuma T,Okutsu M,Tahara S,Kurita N,Nakamura S,Das S,Nakamura S,Jang IK

### [Altered Gut Microbiome in Patients With Dermatomyositis.](#)

*ACR open rheumatology* , 2022 May 26  
 Authors Bae SS,Dong TS,Wang J,Lagishetty V,Katzka W,Jacobs JP,Charles-Schoeman C

### [Comparison of thrombus, gut, and oral microbiomes in Korean patients with ST-elevation myocardial infarction: a case-control study.](#)

*Experimental & molecular medicine* , Volume: 52 Issue: 12 2020 Dec  
 Authors Kwun JS,Kang SH,Lee HJ,Park HK,Lee WJ,Yoon CH,Suh JW,Cho YS,Youn TJ,Chae IH

### [Porphyromonas gingivalis initiates coagulation and secretes polyphosphates - A mechanism for sustaining chronic inflammation?](#)

*Microbial pathogenesis* , Volume: 162 2022 Jan  
 Authors Neilands J,Kinnby B

### [Microbial Modulation of Coagulation Disorders in Venous Thromboembolism.](#)

*Journal of inflammation research* , Volume: 13 2020  
 Authors Lichota A,Gwozdziński K,Szewczyk EM

### [Understanding Infection-Induced Thrombosis: Lessons Learned From Animal Models.](#)

*Frontiers in immunology* , Volume: 10 2019  
 Authors Beristain-Covarrubias N,Perez-Toledo M,Thomas MR,Henderson IR,Watson SP,Cunningham AF

### [Comparing the Influences of Metformin and Berberine on the Intestinal Microbiota of Rats With Nonalcoholic Steatohepatitis.](#)

*In vivo (Athens, Greece)* , Volume: 37 Issue: 5 2023 Sep-Oct  
 Authors Chen D,Xiong J,Chen G,Zhang Z,Liu Y,Xu J,Xu H

### [Preparation and characterization of curcumin/chitosan conjugate as an efficient photodynamic antibacterial agent.](#)

*Carbohydrate polymers* , Volume: 313 2023 Aug 1  
 Authors Zhao L,Ding X,Khan IM,Yue L,Zhang Y,Wang Z

### [Metformin attenuated sepsis-related liver injury by modulating gut microbiota.](#)

*Emerging microbes & infections* , Volume: 11 Issue: 1 2022 Dec  
 Authors Liang H,Song H,Zhang X,Song G,Wang Y,Ding X,Duan X,Li L,Sun T,Kan Q

### [Comparison of Drug Resistance of Helicobacter pylori Between Children and Adults in Jilin, China.](#)

*The Turkish journal of gastroenterology : the official journal of Turkish Society of Gastroenterology* , Volume: 32 Issue: 12 2021 Dec

Authors Wang L,Zhang J,Hu M,Pang X

### [Correction to "ZnO/Curcumin Nanocomposites for the Enhanced Inhibition of Pseudomonas aeruginosa Virulence via LasR-RhlR Quorum Sensing Systems".](#)

*Molecular pharmaceutics* , 2021 Dec 7  
 Authors Prateeksha,Rao CV,Das AK,Barik SK,Singh BN

### [Multidimensional exploration of essential oils generated via eight oregano cultivars: Compositions, chemodiversities, and antibacterial capacities.](#)

*Food chemistry* , Volume: 374 2022 Apr 16  
 Authors Hao Y,Kang J,Yang R,Li H,Cui H,Bai H,Tsitsilin A,Li J,Shi L

### [Increasing Helicobacter pylori clarithromycin resistance in Australia over 20 years.](#)

*Internal medicine journal* , 2021 Dec 5  
 Authors Schubert JP,Warner MS,Rayner CK,Roberts-Thomson IC,Mangoni AA,Costello S,Bryant RV

### [Metagenomic Analysis of Intestinal Microbiota in Flolated Rats.](#)

**Biological trace element research** , Volume: 200 Issue: 7 2022 Jul

Authors Komuroglu AU,Seckin H,Ertas M,Meydan I

[Combined effect of carvacrol, thymol and nisin against Staphylococcus aureus and Salmonella Enteritidis.](#)

**Anais da Academia Brasileira de Ciencias** , Volume: 93 Issue: suppl 4 2021

Authors Heckler C,Sant`anna V,Brandelli A,Malheiros PS

[The Protection of Lactiplantibacillus plantarum CCFM8661 Against Benzopyrene-Induced Toxicity via Regulation of the Gut Microbiota.](#)

**Frontiers in immunology** , Volume: 12 2021

Authors Yu L,Zhang L,Duan H,Zhao R,Xiao Y,Guo M,Zhao J,Zhang H,Chen W,Tian F

[Prebiotic fructans have greater impact on luminal microbiology and CD3+ T cells in healthy siblings than patients with Crohn`s disease: A pilot study investigating the potential for primary prevention of inflammatory bowel disease.](#)

**Clinical nutrition (Edinburgh, Scotland)** , Volume: 40 Issue: 8 2021 Jun 23

Authors Hedin CR,McCarthy NE,Louis P,Farquharson FM,McCartney S,Stagg AJ,Lindsay JO,Whelan K

[Promiscuous Pseudomonas: Uptake of Non-Endogenous Ligands for Iron Acquisition.](#)

**Tetrahedron letters** , Volume: 75 2021 Jul 6

Authors Kaplan AR,Wuest WM

[Dietary oregano essential oil supplementation improves intestinal functions and alters gut microbiota in late-phase laying hens.](#)

**Journal of animal science and biotechnology** , Volume: 12 Issue: 1 2021 Jul 6

Authors Feng J,Lu M,Wang J,Zhang H,Qiu K,Qi G,Wu S

[The Potential Roles of Very Low Calorie, Very Low Calorie Ketogenic Diets and Very Low Carbohydrate Diets on the Gut Microbiota Composition.](#)

**Frontiers in endocrinology** , Volume: 12 2021

Authors Rondanelli M,Gasparri C,Peroni G,Faliva MA,Naso M,Perna S,Bazire P,Sajuox I,Maugeri R,Rigon C

[Influence of Proton Pump Inhibitors and Histamine Receptor 2 Antagonists on Blastocystis ST3 and Selected Microorganisms of Intestinal Microbiota In Vitro.](#)

**Clinical and translational gastroenterology** , Volume: 12 Issue: 4 2021 Apr 9

Authors Lepczynska M,Dzika E,Chen W,Lu CY

[Effects of colon-targeted vitamins on the composition and metabolic activity of the human gut microbiome- a pilot study.](#)

**Gut microbes** , Volume: 13 Issue: 1 2021 Jan-Dec

Authors Pham VT,Fehlbaum S,Seifert N,Richard N,Bruins MJ,Sybesma W,Rehman A,Steinert RE

[Effects of Iron and Zinc Biofortified Foods on Gut Microbiota In Vivo \(Gallus gallus\): A Systematic Review.](#)

**Nutrients** , Volume: 13 Issue: 1 2021 Jan 9

Authors Juste Contin Gomes M,Stampini Duarte Martino H,Tako E

[Evaluation of the gut microbiota after metformin intervention in children with obesity: A metagenomic study of a randomized controlled trial.](#)

**Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie** , Volume: 134 2020 Dec 24

Authors Pastor-Villaescusa B,Plaza-Díaz J,Egea-Zorrilla A,Leis R,Bueno G,Hoyos R,Vázquez-Cobela R,Latorre M,Cañete MD,Caballero-Villarraso J,Gil Á,Cañete R,Aguilera CM

[Exopolysaccharides from Lactobacillus plantarum YW11 improve immune response and ameliorate inflammatory bowel disease symptoms.](#)

**Acta biochimica Polonica** , Volume: 67 Issue: 4 2020 Dec 17

Authors Min Z,Xiaona H,Aziz T,Jian Z,Zhennai Y

[Adjunctive treatment with probiotics partially alleviates symptoms and reduces inflammation in patients with irritable bowel syndrome.](#)

**European journal of nutrition** , 2020 Nov 22

Authors Xu H,Ma C,Zhao F,Chen P,Liu Y,Sun Z,Cui L,Kwok LY,Zhang H

[Neuroprotective effects associated with immune modulation by selected lactic acid bacteria in a Parkinson`s disease model.](#)

**Nutrition (Burbank, Los Angeles County, Calif.)** , Volume: 79-80 2020 Nov - Dec

Authors Perez Visñuk D,Savoy de Giori G,LeBlanc JG,de Moreno de LeBlanc A

[Modulatory Effects of Triphala and Manjistha Dietary Supplementation on Human Gut Microbiota: A Double-Blind, Randomized, Placebo-Controlled Pilot Study.](#)

**Journal of alternative and complementary medicine (New York, N.Y.)** , Volume: 26 Issue: 11 2020 Nov

Authors Peterson CT,Pourang A,Dhaliwal S,Kohn JN,Uchitel S,Singh H,Mills PJ,Peterson SN,Sivamani RK

[Increased Faecalibacterium abundance is associated with clinical improvement in patients receiving rifaximin treatment.](#)

**Beneficial microbes** , Volume: 11 Issue: 6 2020 Oct 12

Authors Ponziani FR,Scalaferrri F,De Siena M,Mangiola F,Matteo MV,Pecere S,Petito V,Sterbini FP,Lopetuso LR,Masucci L,Cammarota G,Sanguinetti M,Gasbarrini A

Thyroid-Gut-Axis: How Does the Microbiota Influence Thyroid Function?**Nutrients** , Volume: 12 Issue: 6 2020 Jun 12

Authors Knezevic J,Starchl C,Tmava Berisha A,Amrein K

Antioxidant, Anti-Inflammatory, and Microbial-Modulating Activities of Essential Oils: Implications in Colonic Pathophysiology.**International journal of molecular sciences** , Volume: 21 Issue: 11 2020 Jun 10

Authors Spisni E,Petrocelli G,Imbesi V,Spigarelli R,Azzinnari D,Donati Sarti M,Campieri M,Valerii MC

The *in vitro* Effect of Fibers With Different Degrees of Polymerization on Human Gut Bacteria.**Frontiers in microbiology** , Volume: 11 2020

Authors Chen M,Fan B,Liu S,Imam KMSU,Xie Y,Wen B,Xin F

Alterations in cecal microbiota and intestinal barrier function of laying hens fed on fluoride supplemented diets.**Ecotoxicology and environmental safety** , Volume: 193 2020 Apr 15

Authors Miao L,Gong Y,Li H,Xie C,Xu Q,Dong X,Elwan HAM,Zou X

Dietary prophage inducers and antimicrobials: toward landscaping the human gut microbiome.**Gut microbes** , 2020 Jan 13

Authors Boling L,Cuevas DA,Grasis JA,Kang HS,Knowles B,Levi K,Maughan H,McNair K,Rojas MI, Sanchez SE,Smurthwaite C,Rohwer F

The effect of inulin and resistant maltodextrin on weight loss during energy restriction: a randomised, placebo-controlled, double-blinded intervention.**European journal of nutrition** , 2019 Oct 11

Authors Hess AL,Benítez-Páez A,Blædel T,Larsen LH,Iglesias JR,Madera C,Sanz Y,Larsen TM,MyNewGut Consortium.

Transfusional iron overload and intravenous iron infusions modify the mouse gut microbiota similarly to dietary iron.**NPJ biofilms and microbiomes** , Volume: 5 2019

Authors La Carpia F,Wojczyk BS,Annajhala MK,Rebbaa A,Culp-Hill R,D`Alessandro A,Freedberg DE,Uhlemann AC,Hod EA

Transfusional iron overload and intravenous iron infusions modify the mouse gut microbiota similarly to dietary iron.**NPJ biofilms and microbiomes** , Volume: 5 Issue: 1 2019

Authors La Carpia F,Wojczyk BS,Annajhala MK,Rebbaa A,Culp-Hill R,D`Alessandro A,Freedberg DE,Uhlemann AC,Hod EA

Influence of proton pump inhibitors on microbiota in chronic liver disease patients.**Hepatology international** , Volume: 13 Issue: 2 2019 Mar

Authors Yamamoto K,Ishigami M,Honda T,Takeyama T,Ito T,Ishizu Y,Kuzuya T,Hayashi K,Goto H,Hirooka Y

Spent Coffee Grounds Extract, Rich in Mannooligosaccharides, Promotes a Healthier Gut Microbial Community in a Dose-Dependent Manner.**Journal of agricultural and food chemistry** , Volume: 67 Issue: 9 2019 Mar 6

Authors Pérez-Burillo S,Pastoriza S,Fernández-Arteaga A,Luzón G,Jiménez-Hernández N,D`Auria G,Francino MP,Rufián-Henares JÁ

Prevalence and Antimicrobial Susceptibility of Bacterial Uropathogens Isolated from Pediatric Patients at Yekatit 12 Hospital Medical College, Addis Ababa, Ethiopia.**International journal of microbiology** , Volume: 2018 2018

Authors Merga Duffa Y,Terfa Kitila K,Mamuye Gebretsadik D,Bitew A

[Microbiological profiles of pathogens causing nosocomial bacteremia in 2011, 2013 and 2016].**Sheng wu gong cheng xue bao = Chinese journal of biotechnology** , Volume: 34 Issue: 8 2018 Aug 25

Authors Wang X,Zhao C,Li H,Chen H,Jin L,Wang Z,Liao K,Zeng J,Xu X,Jin Y,Su D,Liu W,Hu Z,Cao B,Chu Y,Zhang R,Luo Y,Hu B,Wang H

Anti-inflammatory and antibacterial evaluation of Thymus sipyleus Boiss. subsp. sipyleus var. sipyleus essential oil against rhinosinusitis pathogens.**Microbial pathogenesis** , Volume: 122 2018 Sep

Authors Demirci F,Karaca N,Tekin M,Demirci B

Protective Effect of Aplysin Supplementation on Intestinal Permeability and Microbiota in Rats Treated with Ethanol and Iron.**Nutrients** , Volume: 10 Issue: 6 2018 May 27

Authors Ma Y,Li R,Liu Y,Liu M,Liang H

Changes in metabolism and microbiota after 24-week risperidone treatment in drug naïve, normal weight patients with first episode schizophrenia.**Schizophrenia research** , 2018 May 30

Authors Yuan X,Zhang P,Wang Y,Liu Y,Li X,Kumar BU,Hei G,Lv L,Huang XF,Fan X,Song X

The bacterium Pseudomonas aeruginosa senses and gradually responds to interspecific competition for iron.**Evolution; international journal of organic evolution** , 2018 Apr 17

Authors Leinweber A,Weigert M,Kümmerli R

Metformin: old friend, new ways of action-implication of the gut microbiome?

**Current opinion in clinical nutrition and metabolic care** , Volume: 21 Issue: 4 2018 Jul

Authors Rodríguez J,Hiel S,Delzenne NM

Extensive impact of non-antibiotic drugs on human gut bacteria.

**Nature** , Volume: 555 Issue: 7698 2018 Mar 29

Authors Maier L,Pruteanu M,Kuhn M,Zeller G,Telzerow A,Anderson EE,Brochado AR,Fernandez KC,Dose H,Mori H,Patil KR,Bork P,Typas A

Multidrug-resistant gram-negative bacterial infections in a teaching hospital in Ghana.

**Antimicrobial resistance and infection control** , Volume: 7 2018

Authors Agyepong N,Govinden U,Owusu-Ofori A,Essack SY

Rifaximin ameliorates hepatic encephalopathy and endotoxemia without affecting the gut microbiome diversity.

**World journal of gastroenterology** , Volume: 23 Issue: 47 2017 Dec 21

Authors Kaji K,Takaya H,Saikawa S,Furukawa M,Sato S,Kawaratani H,Kitade M,Moriya K,Namisaki T,Akahane T,Mitoro A,Yoshiji H

In vitro fermentation of copra meal hydrolysate by chicken microbiota.

**3 Biotech** , Volume: 8 Issue: 1 2018 Jan

Authors Prayoonthien P,Nitisinprasert S,Keawsompong S

Update of incidence and antimicrobial susceptibility trends of Escherichia coli and Klebsiella pneumoniae isolates from Chinese intra-abdominal infection patients.

**BMC infectious diseases** , Volume: 17 Issue: 1 2017 Dec 18

Authors Zhang H,Yang Q,Liao K,Ni Y,Yu Y,Hu B,Sun Z,Huang W,Wang Y,Wu A,Feng X,Luo Y,Chu Y,Chen S,Cao B,Su J,Duan Q,Zhang S,Shao H,Kong H,Gui B,Hu Z,Badal R,Xu Y

Systematic review: human gut dysbiosis induced by non-antibiotic prescription medications.

**Alimentary pharmacology & therapeutics** , Volume: 47 Issue: 3 2018 Feb

Authors Le Bastard Q,Al-Ghalith GA,Grégoire M,Chapelet G,Javaudin F,Dailly E,Batard E,Knights D,Montassier E

Genes and Gut Bacteria Involved in Luminal Butyrate Reduction Caused by Diet and Loperamide.

**Genes** , Volume: 8 Issue: 12 2017 Nov 28

Authors Hwang N,Eom T,Gupta SK,Jeong SY,Jeong DY,Kim YS,Lee JH,Sadowsky MJ,Unno T

Camelina Seed Supplementation at Two Dietary Fat Levels Change Ruminal Bacterial Community Composition in a Dual-Flow Continuous Culture System.

**Frontiers in microbiology** , Volume: 8 2017

Authors Dai X,Weimer PJ,Dill-McFarland KA,Brandao VLN,Suen G,Faciola AP

Modulation of the gut microbiota by metformin improves metabolic profiles in aged obese mice.

**Gut microbes** , 2017 Nov 20

Authors Lee H,Lee Y,Kim J,An J,Lee S,Kong H,Song Y,Lee CK,Kim K

Modulating Effects of Dicafeoylquinic Acids from Ilex kudingcha on Intestinal Microecology in Vitro.

**Journal of agricultural and food chemistry** , Volume: 65 Issue: 47 2017 Nov 29

Authors Xie M,Chen G,Wan P,Dai Z,Hu B,Chen L,Ou S,Zeng X,Sun Y

In-vitro antimicrobial activity and identification of bioactive components using GC-MS of commercially available essential oils in Saudi Arabia.

**Journal of food science and technology** , Volume: 54 Issue: 12 2017 Nov

Authors Ashraf SA,Al-Shammari E,Hussain T,Tajuddin S,Panda BP

Effects of microencapsulated Lactobacillus plantarum LIP-1 on the gut microbiota of hyperlipidaemic rats.

**The British journal of nutrition** , Volume: 118 Issue: 7 2017 Oct

Authors Song JJ,Tian WJ,Kwok LY,Wang YL,Shang YN,Menghe B,Wang JG

Effects of microencapsulated Lactobacillus plantarum LIP-1 on the gut microbiota of hyperlipidaemic rats.

**The British journal of nutrition** , Volume: 118 Issue: 7 2017 Oct

Authors Song JJ,Tian WJ,Kwok LY,Wang YL,Shang YN,Menghe B,Wang JG

Effect of Probiotic Lactobacilli on the Growth of Streptococcus Mutans and Multispecies Biofilms Isolated from Children with Active Caries.

**Medical science monitor : international medical journal of experimental and clinical research** , Volume: 23 2017 Aug 30

Authors Lin X,Chen X,Tu Y,Wang S,Chen H

Monitoring *in vitro* antibacterial efficacy of 26 Indian spices against multidrug resistant urinary tract infecting bacteria.

**Integrative medicine research** , Volume: 3 Issue: 3 2014 Sep

Authors Rath S,Padhy RN

Temporal microbiota changes of high-protein diet intake in a rat model.

**Anaerobe** , Volume: 47 2017 Oct

Authors Mu C,Yang Y,Luo Z,Zhu W

[Health benefit of vegetable/fruit juice-based diet: Role of microbiome](#)

**Scientific Reports** , Volume: 7 2017 May 19

Authors Henning SM,Yang J,Shao P,Lee RP,Huang J,Ly A,Hsu M,Lu QY,Thames G,Heber D,Li Z

[The effects of micronutrient deficiencies on bacterial species from the human gut microbiota.](#)

**Science translational medicine** , Volume: 9 Issue: 390 2017 May 17

Authors Hibberd MC,Wu M,Rodionov DA,Li X,Cheng J,Griffin NW,Barratt MJ,Giannone RJ,Hettich RL,Osterman AL,Gordon JI

[Effect of \*Lactobacillus rhamnosus\* HN001 and \*Bifidobacterium longum\* BB536 on the healthy gut microbiota composition at phyla and species level: A preliminary study.](#)

**World journal of gastroenterology** , Volume: 23 Issue: 15 2017 Apr 21

Authors Toscano M,De Grandi R,Stronati L,De Vecchi E,Drago L

[Influence of diet on the gut microbiome and implications for human health.](#)

**Journal of translational medicine** , Volume: 15 Issue: 1 2017 Apr 8

Authors Singh RK,Chang HW,Yan D,Lee KM,Ucmak D,Wong K,Abrouk M,Farahnik B,Nakamura M,Zhu TH,Bhutani T,Liao W

[Prebiotic inulin-type fructans induce specific changes in the human gut microbiota.](#)

**Gut** , Volume: 66 Issue: 11 2017 Nov

Authors Vandeputte D,Falony G,Vieira-Silva S,Wang J,Sailer M,Theis S,Verbeke K,Raes J

[Carob pods \(\*Ceratonia siliqua\* L.\) improve growth performance, antioxidant status and caecal characteristics in growing rabbits.](#)

**Journal of animal physiology and animal nutrition** , Volume: 101 Issue: 6 2017 Dec

Authors Abu Hafsa SH,Ibrahim SA,Hassan AA

[Etiologies of community-onset urinary tract infections requiring hospitalization and antimicrobial susceptibilities of causative microorganisms.](#)

**Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi** , Volume: 50 Issue: 6 2017 Dec

Authors Chiu CC,Lin TC,Wu RX,Yang YS,Hsiao PJ,Lee Y,Lin JC,Chang FY

[A metagenomic study of the preventive effect of \*Lactobacillus rhamnosus\* GG on intestinal polyp formation in \*Apc<sup>Min/+</sup>\* mice.](#)

**Journal of applied microbiology** , Volume: 122 Issue: 3 2017 Mar

Authors Ni Y,Wong VH,Tai WC,Li J,Wong WY,Lee MM,Fong FL,El-Nezami H,Panagiotou G

[Prospective randomized controlled study on the effects of \*Saccharomyces boulardii\* CNCM I-745 and amoxicillin-clavulanate or the combination on the gut microbiota of healthy volunteers.](#)

**Gut microbes** , Volume: 8 Issue: 1 2017 Jan 2

Authors Kabbani TA,Pallav K,Dowd SE,Villafuerte-Galvez J,Vanga RR,Castillo NE,Hansen J,Dennis M,Leffler DA,Kelly CP

[Insights from 100 Years of Research with Probiotic \*E. Coli\*](#)

**European Journal of Microbiology & Immunology** , Volume: 6 Issue: 3 2016 Sep 29

Authors Wassenaar TM

[Short- and long-term effects of oral vancomycin on the human intestinal microbiota.](#)

**The Journal of antimicrobial chemotherapy** , Volume: 72 Issue: 1 2017 Jan

Authors Isaac S,Scher JU,Djukovic A,Jiménez N,Littman DR,Abramson SB,Pamer EG,Ubeda C

[Efficacy and role of inulin in mitigation of enteric sulfur-containing odor in pigs.](#)

**Journal of the science of food and agriculture** , Volume: 97 Issue: 8 2017 Jun

Authors Deng YF,Liu YY,Zhang YT,Wang Y,Liang JB,Tufarelli V,Laudadio V,Liao XD

[In vitro antimicrobial activity of five essential oils on multidrug resistant Gram-negative clinical isolates.](#)

**Journal of intercultural ethnopharmacology** , Volume: 5 Issue: 3 2016 Jun-Aug

Authors Sakkas H,Gousia P,Economou V,Sakkas V,Petsios S,Papadopoulou C

[Short communication: Modulation of the small intestinal microbial community composition over short-term or long-term administration with \*Lactobacillus plantarum\* ZDY2013.](#)

**Journal of dairy science** , Volume: 99 Issue: 9 2016 Sep

Authors Xie Q,Pan M,Huang R,Tian X,Tao X,Shah NP,Wei H,Wan C

[Prevalence and Antimicrobial Resistance Patterns of Diarrheagenic \*Escherichia coli\* in Shanghai, China.](#)

**The Pediatric infectious disease journal** , Volume: 35 Issue: 8 2016 Aug

Authors Huang Z,Pan H,Zhang P,Cao X,Ju W,Wang C,Zhang J,Meng J,Yuan Z,Xu X

[Lactobacillus rhamnosus GG Intake Modifies Preschool Children`s Intestinal Microbiota, Alleviates Penicillin-Associated Changes, and Reduces Antibiotic Use.](#)

**PloS one** , Volume: 11 Issue: 4 2016

Authors Korpela K,Salonen A,Virta LJ,Kumpu M,Kekkonen RA,de Vos WM

[Gas chromatography coupled with mass spectrometric characterization of \*Curcuma longa\*: Protection against pathogenic](#)

[microbes and lipid peroxidation in rat`s tissue homogenate.](#)

**Pakistan journal of pharmaceutical sciences** , Volume: 29 Issue: 2 2016 Mar

Authors Hassan W,Gul S,Rehman S,Kanwal F,Afridi MS,Fazal H,Shah Z,Rahman A,da Rocha JB

[Lactobacillus plantarum NCU116 attenuates cyclophosphamide-induced intestinal mucosal injury, metabolism and intestinal microbiota disorders in mice.](#)

**Food & function** , Volume: 7 Issue: 3 2016 Mar

Authors Xie JH,Fan ST,Nie SP,Yu Q,Xiong T,Gong D,Xie MY

[Evaluation of probiotic properties of Lactobacillus plantarum WLPL04 isolated from human breast milk.](#)

**Journal of dairy science** , Volume: 99 Issue: 3 2016 Mar

Authors Jiang M,Zhang F,Wan C,Xiong Y,Shah NP,Wei H,Tao X

[Antibacterial Activity of Probiotic Lactobacillus plantarum HK01: Effect of Divalent Metal Cations and Food Additives on Production Efficiency of Antibacterial Compounds.](#)

**Probiotics and antimicrobial proteins** , Volume: 5 Issue: 2 2013 Jun

Authors Sharafi H,Alidost L,Lababpour A,Shahbani Zahiri H,Abbasi H,Vali H,Akbari Noghabi K

[Probiotic Characteristics of Lactobacillus plantarum FH185 Isolated from Human Feces.](#)

**Korean journal for food science of animal resources** , Volume: 35 Issue: 5 2015

Authors Park SY,Lim SD

[Modulation of the gut microbiota composition by rifaximin in non-constipated irritable bowel syndrome patients: a molecular approach](#)

**Clinical and Experimental Gastroenterology** , Volume: 8 2015 Dec 4

Authors Soldi S,Vasileiadis S,Uggeri F,Campanale M,Morelli L,Fogli MV,Calanni F,Grimaldi M,Gasbarrini A

[Review article: the antimicrobial effects of rifaximin on the gut microbiota.](#)

**Alimentary pharmacology & therapeutics** , Volume: 43 Suppl 1 2016 Jan

Authors DuPont HL

[Bacteriocin-producing strains of Lactobacillus plantarum inhibit adhesion of Staphylococcus aureus to extracellular matrix: quantitative insight and implications in antibacterial therapy.](#)

**Journal of medical microbiology** , Volume: 64 Issue: 12 2015 Dec

Authors Mukherjee S,Ramesh A

[Lactobacillus rhamnosus GG-supplemented formula expands butyrate-producing bacterial strains in food allergic infants.](#)

**The ISME journal** , Volume: 10 Issue: 3 2016 Mar

Authors Berni Canani R,Sangwan N,Stefka AT,Nocerino R,Paparo L,Aitoro R,Calignano A,Khan AA,Gilbert JA,Nagler CR

[Effect of Whole-Grain Barley on the Human Fecal Microbiota and Metabolome.](#)

**Applied and environmental microbiology** , Volume: 81 Issue: 22 2015 Nov

Authors De Angelis M,Montemurno E,Vannini L,Cosola C,Cavallo N,Gozzi G,Maranzano V,Di Cagno R,Gobbetti M,Gesualdo L

[Modulation of gut microbiota in rats fed high-fat diets by processing whole-grain barley to barley malt.](#)

**Molecular nutrition & food research** , Volume: 59 Issue: 10 2015 Oct

Authors Zhong Y,Nyman M,Fåk F

[Wheat and barley differently affect porcine intestinal microbiota.](#)

**Journal of the science of food and agriculture** , Volume: 96 Issue: 6 2016 Apr

Authors Weiss E,Aumiller T,Spindler HK,Rosenfelder P,Eklund M,Witzig M,Jørgensen H,Bach Knudsen KE,Mosenthin R

[In vitro probiotic characteristics of Lactobacillus plantarum ZDY 2013 and its modulatory effect on gut microbiota of mice.](#)

**Journal of dairy science** , Volume: 98 Issue: 9 2015 Sep

Authors Huang R,Tao X,Wan C,Li S,Xu H,Xu F,Shah NP,Wei H

[Antimicrobial Impacts of Essential Oils on Food Borne-Pathogens.](#)

**Recent patents on food, nutrition & agriculture** , Volume: 7 Issue: 1 2015

Authors Ozogul Y,Kuley E,Ucar Y,Ozogul F

[Effects of dietary linseed oil and propionate precursors on ruminal microbial community, composition, and diversity in Yanbian yellow cattle.](#)

**PloS one** , Volume: 10 Issue: 5 2015

Authors Li XZ,Park BK,Shin JS,Choi SH,Smith SB,Yan CG

[Oral supplementation with L-glutamine alters gut microbiota of obese and overweight adults: A pilot study.](#)

**Nutrition (Burbank, Los Angeles County, Calif.)** , Volume: 31 Issue: 6 2015 Jun

Authors de Souza AZ,Zambom AZ,Abboud KY,Reis SK,Tannihão F,Guadagnini D,Saad MJ,Prada PO

[Phytonutrient diet supplementation promotes beneficial Clostridia species and intestinal mucus secretion resulting in protection against enteric infection.](#)

**Scientific reports** , Volume: 5 2015 Mar 19

Authors Wodarska M,Willing BP,Bravo DM,Finlay BB

[Empirical prediction and validation of antibacterial inhibitory effects of various plant essential oils on common pathogenic](#)

bacteria.**International journal of food microbiology** , Volume: 202 2015 Jun 2

Authors Akdemir Evrendilek G

Probiotic potential of lactobacillus strains isolated from sorghum-based traditional fermented food.**Probiotics and antimicrobial proteins** , Volume: 7 Issue: 2 2015 Jun

Authors Rao KP,Chennappa G,Suraj U,Nagaraja H,Raj AP,Sreenivasa MY

Collateral damage from oral ciprofloxacin versus nitrofurantoin in outpatients with urinary tract infections: a culture-free analysis of gut microbiota.**Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases** , Volume: 21 Issue: 4 2015 Apr

Authors Stewardson AJ,Gaia N,François P,Malhotra-Kumar S,Delémont C,Martinez de Tejada B,Schrenzel J,Harbarth S,Lazarevic V,SATURN WP1 and WP3 Study Groups.

The impact of oral consumption of Lactobacillus plantarum P-8 on faecal bacteria revealed by pyrosequencing.**Beneficial microbes** , Volume: 6 Issue: 4 2015

Authors Kwok LY,Guo Z,Zhang J,Wang L,Qiao J,Hou Q,Zheng Y,Zhang H

Phenotypic and Molecular Characterization of Extended-Spectrum  $\beta$ -Lactamase Produced by Escherichia coli, and Klebsiella pneumoniae Isolates in an Educational Hospital.**Jundishapur journal of microbiology** , Volume: 7 Issue: 10 2014 Oct

Authors Gholipour A,Soleimani N,Shokri D,Mobasherizadeh S,Kardi M,Baradaran A

[Characterization and determination of antibiotic resistance profiles of a single clone Acinetobacter baumannii strains isolated from blood cultures].**Mikrobiyoloji bulteni** , Volume: 48 Issue: 4 2014 Oct

Authors Karagöz A,Baran I,Aksu N,Acar S,Durmaz R

[Risk factors and antibiotic use in methicillin-resistant Staphylococcus aureus bacteremia in hospitalized patients at Hacettepe University Adult and Oncology Hospitals (2004-2011) and antimicrobial susceptibilities of the isolates: a nested case-control study].**Mikrobiyoloji bulteni** , Volume: 48 Issue: 4 2014 Oct

Authors Atmaca O,Zarakolu P,Karahan C,Cakir B,Unal S

Bacteriologic profile and antibiogram of blood culture isolates from a children`s hospital in Kabul.**Journal of the College of Physicians and Surgeons–Pakistan : JCPSP** , Volume: 24 Issue: 6 2014 Jun

Authors Tariq TM

Multi-drug resistant gram-negative enteric bacteria isolated from flies at Chengdu Airport, China.**The Southeast Asian journal of tropical medicine and public health** , Volume: 44 Issue: 6 2013 Nov

Authors Liu Y,Yang Y,Zhao F,Fan X,Zhong W,Qiao D,Cao Y

In vitro activity of tigecycline and comparators against Gram-positive and Gram-negative isolates collected from the Middle East and Africa between 2004 and 2011.**International journal of antimicrobial agents** , Volume: 43 Issue: 2 2014 Feb

Authors Kanj SS,Whitelaw A,Dowzicky MJ

Role of probiotics in the prevention and treatment of methicillin-resistant Staphylococcus aureus infections.**International journal of antimicrobial agents** , Volume: 42 Issue: 6 2013 Dec

Authors Sikorska H,Smoragiewicz W

## Additional APriori Analysis Available

Available at: <https://microbiomeprescription.com/Library/PubMed>

Acne

ADHD

Allergic Rhinitis (Hay Fever)

Allergies

Alopecia (Hair Loss)

Alzheimer's disease

Amyotrophic lateral sclerosis (ALS) Motor Neuron

Ankylosing spondylitis

Anorexia Nervosa

Antiphospholipid syndrome (APS)

Asthma

Atherosclerosis  
Autism  
Autoimmune Disease  
Barrett esophagus cancer  
Bipolar Disorder  
Brain Trauma  
Carcinoma  
Celiac Disease  
Cerebral Palsy  
Chronic Fatigue Syndrome  
Chronic Kidney Disease  
Chronic Lyme  
Chronic Obstructive Pulmonary Disease (COPD)  
Chronic Urticaria (Hives)  
Coagulation / Micro clot triggering bacteria  
Colorectal Cancer  
Constipation  
Coronary artery disease  
COVID-19  
Crohn's Disease  
cystic fibrosis  
deep vein thrombosis  
Depression  
Dermatomyositis  
Eczema  
Endometriosis  
Eosinophilic Esophagitis  
Epilepsy  
Fibromyalgia  
Functional constipation / chronic idiopathic constipation  
gallstone disease (gsd)  
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus  
Generalized anxiety disorder  
Gout  
Graves' disease  
Hashimoto's thyroiditis  
Hidradenitis Suppurativa  
Histamine Issues From Ubiome  
Histamine Issues, Mast Cell Issue, DAO Insufficiency  
hypercholesterolemia (High Cholesterol)  
hyperglycemia  
Hyperlipidemia (High Blood Fats)  
hypersomnia  
hypertension (High Blood Pressure)  
Hypoxia  
IgA nephropathy (IgAN)  
Inflammatory Bowel Disease  
Insomnia  
Intelligence  
Irritable Bowel Syndrome  
Juvenile idiopathic arthritis  
Liver Cirrhosis  
Long COVID  
Lung Cancer  
ME/CFS with IBS  
ME/CFS without IBS  
Menopause  
Metabolic Syndrome

**Mood Disorders**  
**Multiple Sclerosis**  
**Multiple system atrophy (MSA)**  
**Neuropathy (all types)**  
**neuropsychiatric disorders (PANDAS, PANS)**  
**Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic**  
**NonCeliac Gluten Sensitivity**  
**Obesity**  
**obsessive-compulsive disorder**  
**Osteoarthritis**  
**Osteoporosis**  
**Parkinson's Disease**  
**Postural orthostatic tachycardia syndrome**  
**Premenstrual dysphoric disorder**  
**Psoriasis**  
**rheumatoid arthritis (RA),Spondyloarthritis (SpA)**  
**Rosacea**  
**Schizophrenia**  
**Sjögren syndrome**  
**Sleep Apnea**  
**Small Intestinal Bacterial Overgrowth (SIBO)**  
**Stress / posttraumatic stress disorder**  
**Systemic Lupus Erythematosus**  
**Tic Disorder**  
**Tourette syndrome**  
**Type 1 Diabetes**  
**Type 2 Diabetes**  
**Ulcerative colitis**  
**Unhealthy Ageing**