Microbiome Information for: Hemorrhoidal disease, Hemorrhoids, Piles

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 *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/)
Thorne (https://www.thorne.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

Our Facebook Discussion Page

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Hemorrhoidal disease, Hemorrhoids, Piles

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.**

Bacteria Name	Rank	Shift	Taxonomy ID
Alcaligenaceae	*family*	**High**	*506*
Peptostreptococcaceae	*family*	**High**	*186804*
Oscillospira	*genus*	**High**	*119852*
Phascolarctobacterium	*genus*	**Low**	*33024*
Burkholderiales	*order*	**High**	*80840*

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.

2H-1?6,2-benzothiazol-1,1,3-trione {Saccharin} 450 mg/day
alpha-tocopherol {Vitamin E} 60 IU/day
amlodipine,(prescription)
Animal cohabitation {Owning a Pet}
ascorbic acid {Vitamin C} 30 g/day
bacillus licheniformis {b. licheniformis} 10 BCFU/day
bacillus subtilis {B.Subtilis } 10 BCFU/day
bifidobacterium longum {B.Longum } 10 BCFU/day
Citrus aurantiifolia {Lime}
Citrus limon {Lemon}
D-glucose {Glucose}
Fiber, total dietary
Fraxinus angustifolia {Narrow-leaved ash}
fruit
grapes
High-fibre diet {Whole food diet}
Honey {Honey } 80 gram/day
Lactobacillus kefiranofaciens {Kefir Probiotic}
origanum vulgare {oregano}
Polyethylene oxide sorbitan mono-oleate {Polysorbate 80}
Prunus dulcis {Almonds} 90 gram/day
Pulvis ledebouriellae compositae {Bofutsushosan}
Rubus fruticosus {Blackberry}
Saccharomyces cerevisiae var boulardii {S. boulardii} 6 BCFU/day
Slow digestible carbohydrates. {Low Glycemic}
Sodium Chloride {Salt}
Traditional Mediterranean diet {Mediterranean diet}
vegetable
whole-grain diet
xylooligosaccharide 3 gram/day

Retail Probiotics

Over 260 retail probiotics were evaluted with the following deem beneficial with no known adverse risks.

- microbiome labs / restorflora
- microbiome labs/ megasporebiotic
- Energybalance / ColoBiotica 28 Colon Support
- nature's instincts / ultra spore probiotic
- PrecisionBiotics / Immune
- Genesis Bifidobacterium Complex BB Probiotic
- cytoplan(uk) /dentavital bifidophilus
- CustomProbiotics.com / B. Longum Probiotic Powder
- powerlabs (au) / ultra blend
- jarrow formulas / jarro-dophilus mood
- SuperSmart / Saccharomyces Boulardii
- microbiome labs /hu58
- Schwabe Pharma Italia / AxiBoulardi
- perfect pass / perfect pass probiotic bacillus spore
- Probiotic Sticks
- global health trax / threelac
- spain (es) / axiboulardi
- Law of Nature / Best Days Formula
- Wakunaga / Pro+ Synbiotic
- naturopathica (au)/ gastrohealth probiotic daily care
- bio-botanical research / proflora4r restorative probiotic
- Eden's / 3-in-1 Synbiotic Superblend
- Bulk Probiotics / Saccharomyces boulardii Probiotic Powder (Digestive Support)
- Sanogermina / AB-Kolicare
- klaire labs / biospora
- Bromatech / ENTERELLE PLUS
- Maple Life Science™ / Bifidobacterium longum
- Bulk Probiotics / Bacillus Subtilis Probiotic
- Metabolics / Bifidobacterium Longum Powder
- Bulk Probiotics / B. Longum Probiotic Powder
- aor / probiotic-3
- vitamin angels / just thrive
- Seeking Health / Probiota Bifidobacterium
- INVIVO THERAPEUTICS / Bio.Me IB +
- align / align
- Bromatech (IT) / Enterelle
- organic 3 / primal soil
- Align® Extra Strength
- SuperSmart / Bacillus Subtilis
- naturopathica (au) / gastrohealth probiotic adults 50+
- Schwabe Pharma Italia / MegaStress
- florastor / florastor
- BIO-BOTANICAL RESEARCH / Megacidin
- reserveage nutrition / beautiflora
- amy meyers / primal earth probiotic
- PrecisionBiotics / Zenflore
- PharmExtracta / Bowell
- Jetson / Gut Prep
- Bioflora (MX) / BIOFLORAMX / 50 BILLION 10 Strains
- Align / Align® Chewables
- Wakunaga / Kyo-Dophilus® Multi 9 Probiotic
- philips / colon health
- imagilin / NutriLots Replenish
- Ombre / Endless Energy

Jetson / FIT
Prescript-Assist®/SBO Probiotic
optibac / saccharomyces boulardii
Bromatech (IT) / Bifiselle
wakamoto (jp) / wakamoto pharmaceutical intestinal drug
custom probiotics / five strain bifidobacteria
Wakunaga / Daily Probiotic
enviromedica terraflora sbo probiotic
Microbiome Labs / ZENBIOME Dual
canada (ca) / calmbiotic
Jetson (US) / Mood Probiotics
klaire labs / ther-biotic factor 4
InnovixLabs / Mood Probiotic
spain (es) / ultralevura
PoolPharma (IT) / ProbioTKMIO
Wakunaga / 50+
organic 3 / yeastbiotic
CVSHealth / Daily Probiotic
Bromatech (IT) / Serobiome
corebiotic
PharmExtracta (IT) / Gliadines buccal stickpacks
mwsb / candida yeast support

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

Substance to Consider Reducing or Eliminating

These are the most signigicant 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.

5,6-dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-a]quinolizinium {Berberine}
(2->1)-beta-D-fructofuranan {Inulin}
(2S)-2-amino-4-carbamoylbutanoic acid {Glutamine}
3,3',4',5,7-pentahydroxyflavone {Quercetin}
3β-hydroxyurs-12-en-28-oic acid {Ursolic acid}
4-hydroxyphenyl-beta-D-glucopyranoside {Arbutin}
5,7-Dihydroxy-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one {Apigenin }
Amorphophallus konjac {konjac}
Amorphophallus konjac {Konjaku flour}
Arctium lappa {Burdock Root}
azithromycin,[CFS]
Brassica oleracea var. italica {Broccoli}
Camellia Linnaeus {camellia}
cranberry bean flour
doxycycline [CFS]
Epicatechin {Green tea polyphenol}
fructo-oligosaccharides
Hericium erinaceus {Lion's Mane Mushroom }
Hibiscus {Rose mallow}
High-protein diet {Atkins low-carbohydrate diet}
Hydrastis canadensis {Goldenseal}
Ipomoea batata {Purple sweet potatoes}
ketogenic diet
Lacticaseibacillus casei {L. casei}
Lactobacillus plantarum {L. plantarum}
Ligilactobacillus salivarius {L. salivarius}
Limosilactobacillus reuteri {L. Reuteri}
Linum usitatissimum {Flaxseed}
long-term, moderate-intensity exercise {exercise}
Lonicera periclymenum {Epazote}
low-fat diets
Lycopene {Glucosamine (GS)}
Mixture of Vitamin B? {B Vitamins}
Morus {Mulberry }
nuts
oligosaccharides {oligosaccharides}
Plantago {Psyllium}
Poly[β-D-xylopyranose(1->4)] {Xylan}
polymannuronic acid
red wine
Sorghum {Broomcorn}
steviol glycosides {Stevia}
synthetic disaccharide derivative of lactose {Lactulose}
tea
Ulmus rubra {slippery elm}
Under cookded animal protein {Rare meat}
walnuts

Sample of Literature Used

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

Bowel Habits, Obesity, Intestinal Microbiota and Their Influence on Hemorrhoidal Disease: a Mendelian Randomization Study.
Clinical and experimental gastroenterology , Volume: 17 2024
Authors Yu M,Shang Y,Han L,Yu X

Causal associations between human gut microbiota and hemorrhoidal disease: A two-sample Mendelian randomization study.
Medicine , Volume: 103 Issue: 13 2024 Mar 29
Authors Yang F,Lan Z,Chen H,He R

Isochlorogenic acid derived from stevia improves antioxidant capacity, immune function and intestinal microbiota in weaned piglets.
Frontiers in veterinary science , Volume: 12 2025
Authors Wang Y,Luo Y,Zou H,Gao W,Yu B,He J,Song W,Luo Y,Zheng P,Mao X,Xuan Y,Xu M,Yu J

Impact of probiotic Lactobacillus plantarum GKM3 on gastrointestinal health in overweight and obese individuals: A randomized clinical trial.
Clinical nutrition ESPEN , Volume: 68 2025 May 16
Authors Tsai YS,Lin XB,Lin SW,Chen YL,Hsu CL,Chen CC

Continuous intake of galacto-oligosaccharides containing syrup contributes to maintaining the health of household cats by modulating their gut microbiota.
Bioscience of microbiota, food and health , Volume: 44 Issue: 2 2025
Authors Hokkyo A,Kakiyama S,Shiwa Y,Kaga C,Kobayashi T,Nomoto K,Harima-Mizusawa N

Correlation between daily physical activity and intestinal microbiota in perimenopausal women.
Sports medicine and health science , Volume: 7 Issue: 3 2025 May
Authors Zheng Y,Ke J,Song J,Li X,Kuang R,Wang H,Li S,Li Y

Isolated White Lupin Proteins Beneficially Modulate the Intestinal Microbiota Composition in Rats.
Nutrients , Volume: 17 Issue: 3 2025 Jan 31
Authors Rubio LA,Chiesa G

Bifidobacterium longumBL-19 inhibits oxidative stress and inflammatory damage in the liver of mice with NAFLD by regulating the production of butyrate in the intestine.
Food science & nutrition , Volume: 12 Issue: 9 2024 Sep
Authors Zhang X,Xu J,Dong X,Tang J,Xie Y,Yang J,Zou L,Wu L,Fan J

Effect of xylo-oligosaccharides on intestinal bacterial diversity in mice with spleen deficiency constipation.
Frontiers in microbiology , Volume: 15 2024
Authors Ao X,Zhang Z

Identification of dietary factors that impact the gut microbiota associated with vitiligo: A Mendelian randomization study and meta-analysis.
Experimental dermatology , Volume: 33 Issue: 9 2024 Sep
Authors Zhang K,Jiang L,Fu C,Huang J,Wen Y,Zhou S,Huang J,Chen J,Zeng Q

Heat-killed Bifidobacterium longum BBMN68 and inulin protect against high-fat diet-induced obesity by modulating gut microbiota.
Frontiers in nutrition , Volume: 11 2024
Authors Sun S,Zhang Q,Li D,Li H,Ma H,Wu X,Li Y,Wang P,Liu R,Feng H,Zhang Y,Sang Y,Fang B,Wang R

Quercetin Increases Growth Performance and Decreases Incidence of Diarrhea and Mechanism of Action in Weaned Piglets.
Oxidative medicine and cellular longevity , Volume: 2024 2024
Authors Mao Y,Yang Q,Liu J,Fu Y,Zhou S,Liu J,Ying L,Li Y

The effect of the molecular weight of blackberry polysaccharides on gut microbiota modulation and hypoglycemic effect in vivo.
Food & function , Volume: 15 Issue: 16 2024 Aug 12
Authors Xi L,Weibing X,Shuyong F,Sheng-Hua L,Xiong F,Chin-Ping T,Ping-Ping W,Zu-Man D,Chun C

Modulation of human gut microbiota by linear and branched fructooligosaccharides in an in vitro colon model (TIM-2).
Journal of applied microbiology , Volume: 135 Issue: 7 2024 Jul 2
Authors Popov IV,Koopmans B,Venema K

The Effects of Almond Consumption on Cardiovascular Health and Gut Microbiome: A Comprehensive Review.
Nutrients , Volume: 16 Issue: 12 2024 Jun 20
Authors Singar S,Kadyan S,Patoine C,Park G,Arjmandi B,Nagpal R

Reduction in Serum Concentrations of Uremic Toxins Driven by Bifidobacterium Longum Subsp. Longum BL21 is Associated with Gut Microbiota Changes in a Rat Model of Chronic Kidney Disease.

Probiotics and antimicrobial proteins , 2024 Jun 3

Authors Dong Y,Gai Z,Han M,Xu J,Zou K

Modulation of Gut Microbial Community and Metabolism by Bacillus licheniformis HD173 Promotes the Growth of Nursery Piglets Model.

Nutrients , Volume: 16 Issue: 10 2024 May 15

Authors Li J,Tian C,Feng S,Cheng W,Tao S,Li C,Xiao Y,Wei H

Polygonatum kingianum Polysaccharides Enhance the Preventive Efficacy of Heat-Inactivated Limosilactobacillus reuteri WX-94 against High-Fat-High-Sucrose-Induced Liver Injury and Gut Dysbacteriosis.

Journal of agricultural and food chemistry , Volume: 72 Issue: 17 2024 May 1

Authors Liu T,Zhou L,Li X,Song W,Liu Y,Wu S,Wang P,Dai X,Shi L

Gut Microbiota and Inflammation Modulation in a Rat Model for Ulcerative Colitis after the Intraperitoneal Administration of Apigenin, Luteolin, and Xanthohumol.

International journal of molecular sciences , Volume: 25 Issue: 6 2024 Mar 12

Authors Magadán-Corpas P,Pérez-Valero Á,Ye S,Sordon S,Huszcza E,Poplonski J,Villar CJ,Lombó F

Bifidobacterium longum GL001 alleviates rat intestinal ischemia-reperfusion injury by modulating gut microbiota composition and intestinal tissue metabolism.

Food & function , Volume: 15 Issue: 7 2024 Apr 2

Authors Tang J,Zhao M,Miao X,Chen H,Zhao B,Wang Y,Guo Y,Wang T,Cheng X,Ruan H,Zhang J

Glutamine attenuates bisphenol A-induced intestinal inflammation by regulating gut microbiota and TLR4-p38/MAPK-NF-?B pathway in piglets.

Ecotoxicology and environmental safety , Volume: 270 2023 Dec 26

Authors Liu Z,Liu M,Wang H,Qin P,Di Y,Jiang S,Li Y,Huang L,Jiao N,Yang W

Epigallocatechin gallate alleviates osteoporosis by regulating the gut microbiota and serum metabolites in rats.

Food & function , Volume: 14 Issue: 23 2023 Nov 27

Authors Han X,Fu Y,Wang K,Li S,Jiang C,Wang S,Wang Z,Liu G,Hu S

Antitumor effect of exopolysaccharide from Lactiplantibacillus plantarum WLPL09 on melanoma mice via regulating immunity and gut microbiota.

International journal of biological macromolecules , Volume: 254 Issue: Pt 1 2023 Oct 31

Authors Wang Q,Jiang B,Wei M,He Y,Wang Y,Zhang Q,Wei H,Tao X

Cooking, Digestion, and In Vitro Colonic Fermentation of Nigerian Wholegrains Affect Phenolic Acid Metabolism and Gut Microbiota Composition.

International journal of molecular sciences , Volume: 24 Issue: 18 2023 Sep 14

Authors Obayiuwana OA,Behrends V,Calle-Patino Y,Barone M,Turroni S,Brigidi P,Costabile A,Corona G

Blueberry and Blackberry Anthocyanins Ameliorate Metabolic Syndrome by Modulating Gut Microbiota and Short-Chain Fatty Acids Metabolism in High-Fat Diet-Fed C57BL/6J Mice.

Journal of agricultural and food chemistry , Volume: 71 Issue: 40 2023 Oct 11

Authors Du L,Lü H,Chen Y,Yu X,Jian T,Zhao H,Wu W,Ding X,Chen J,Li W

Dietary food patterns as determinants of the gut microbiome-endocannabinoidome axis in humans.

Scientific reports , Volume: 13 Issue: 1 2023 Sep 21

Authors Castonguay-Paradis S,Perron J,Flamand N,Lamarche B,Raymond F,Di Marzo V,Veilleux A

Immunomodulatory effects of inulin and its intestinal metabolites.

Frontiers in immunology , Volume: 14 2023

Authors Sheng W,Ji G,Zhang L

Flaxseed Bioactive Compounds: Chemical Composition, Functional Properties, Food Applications and Health Benefits-Related Gut Microbes.

Foods (Basel, Switzerland) , Volume: 11 Issue: 20 2022 Oct 21

Authors Mueed A,Shibli S,Korma SA,Madjirebaye P,Esatbeyoglu T,Deng Z

Hericium erinaceus, a medicinal fungus with a centuries-old history: Evidence in gastrointestinal diseases.

World journal of gastroenterology , Volume: 29 Issue: 20 2023 May 28

Authors Gravina AG,Pellegrino R,Auletta S,Palladino G,Brandimarte G,D`Onofrio R,Arboretto G,Imperio G,Ventura A,Cipullo M,Romano M,Federico A

Targeted modification of gut microbiota and related metabolites via dietary fiber.

Carbohydrate polymers , Volume: 316 2023 Sep 15

Authors Nie Q,Sun Y,Li M,Zuo S,Chen C,Lin Q,Nie S

Prevention of High-Fat-Diet-Induced Dyslipidemia by Lactobacillus plantarum LP104 through Mediating Bile Acid Enterohepatic Axis Circulation and Intestinal Flora.

Journal of agricultural and food chemistry , Volume: 71 Issue: 19 2023 May 17
Authors Wang Y,Xing X,Ma Y,Fan Y,Zhang Y,Nan B,Li X,Wang Y,Liu J
Corrigendum to 'Lycopene Affects Intestinal Barrier Function and the Gut Microbiota in Weaned Piglets via Antioxidant Signaling Regulation' [The Journal of Nutrition 152 (2022) 2396-2408].

The Journal of nutrition , Volume: 153 Issue: 5 2023 May
Authors Meng Q,Zhang Y,Li J,Shi B,Ma Q,Shan A
Effects of kiwi fruit (Actinidia chinensis) polysaccharides on metabolites and gut microbiota of acrylamide-induced mice.

Frontiers in nutrition , Volume: 10 2023
Authors Chen M,Chen X,Wang K,Cai L,Liu N,Zhou D,Jia W,Gong P,Liu N,Sun Y
Lycopene Affects Intestinal Barrier Function and the Gut Microbiota in Weaned Piglets via Antioxidant Signaling Regulation.

The Journal of nutrition , Volume: 152 Issue: 11 2022 Nov
Authors Meng Q,Zhang Y,Li J,Shi B,Ma Q,Shan A
A High Dose of Dietary Berberine Improves Gut Wall Morphology, Despite an Expansion of Enterobacteriaceae and a Reduction in Beneficial Microbiota in Broiler Chickens.

mSystems , Volume: 8 Issue: 1 2023 Feb 23
Authors Dehau T,Cherlet M,Croubels S,van Immerseel F,Goossens E
Inulin intervention attenuates hepatic steatosis in rats via modulating gut microbiota and maintaining intestinal barrier function.

Food research international (Ottawa, Ont.) , Volume: 163 2023 Jan
Authors Yang Z,Su H,Lv Y,Tao H,Jiang Y,Ni Z,Peng L,Chen X
Quercetin alleviates intestinal inflammation and improves intestinal functions via modulating gut microbiota composition in LPS-challenged laying hens.

Poultry science , Volume: 102 Issue: 3 2023 Mar
Authors Feng J,Li Z,Ma H,Yue Y,Hao K,Li J,Xiang Y,Min Y
Effects of a Saccharomyces cerevisiae fermentation product on fecal characteristics, metabolite concentrations, and microbiota populations of dogs subjected to exercise challenge.

Journal of animal science , 2022 Dec 27
Authors Oba PM,Carroll MQ,Sieja KM,Nogueira JPS,Yang X,Epp TY,Warzecha CM,Varney JL,Fowler JW,Coon CN,Swanson KS
Differential reinforcement of intestinal barrier function by various Lactobacillus reuteri strains in mice with DSS-induced acute colitis.

Life sciences , Volume: 314 2023 Feb 1
Authors Lin C,Zheng Y,Lu J,Zhang H,Wang G,Chen W
Effects of Polyphenols and Glucosinolates in Broccoli Extract on Human Gut Microorganisms Based on Simulation In Vitro.

ACS omega , Volume: 7 Issue: 49 2022 Dec 13
Authors Zhang Y,Jiang C,Huang S,Sun J,Song X,Nishanbaev SZ,Benito MJ,Wu Y
Dietary folic acid addition reduces abdominal fat deposition mediated by alterations in gut microbiota and SCFA production in broilers.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 12 2023 Mar
Authors Liu Y,Yang J,Liu X,Liu R,Wang Y,Huang X,Li Y,Liu R,Yang X
Effects of Dietary Oregano Essential Oil on Cecal Microorganisms and Muscle Fatty Acids of Luhua Chickens.

Animals : an open access journal from MDPI , Volume: 12 Issue: 22 2022 Nov 20
Authors Wu T,Yang F,Jiao T,Zhao S
Supplementation with honeysuckle extract improves growth performance, immune performance, gut morphology, and cecal microbes in geese.

Frontiers in veterinary science , Volume: 9 2022
Authors Li G,Wang X,Liu Y,Wang C,Yang Y,Gong S,Zhu L,He D,Wang H
Lactobacillus rhamnosus GG protects against atherosclerosis by improving ketone body synthesis.

Applied microbiology and biotechnology , Volume: 106 Issue: 24 2022 Dec
Authors Zhai T,Ren W,Wang P,Zheng L
Arbutin improves gut development and serum lipids via Lactobacillus intestinalis.

Frontiers in nutrition , Volume: 9 2022
Authors Ma J,Chen S,Li Y,Wu X,Song Z
Identification of Nordic Berries with Beneficial Effects on Cognitive Outcomes and Gut Microbiota in High-Fat-Fed Middle-Aged C57BL/6J Mice.

Nutrients , Volume: 14 Issue: 13 2022 Jun 30
Authors Huang F,Marungruang N,Kostiuchenko O,Kravchenko N,Burleigh S,Prykhodko O,Hållenius FF,Heyman-Lindén L
Effects of Bacillus licheniformis on Growth Performance, Diarrhea Incidence, Antioxidant Capacity, Immune Function, and Fecal Microflora in Weaned Piglets.

Animals : an open access journal from MDPI , Volume: 12 Issue: 13 2022 Jun 22
Authors Yu X,Cui Z,Qin S,Zhang R,Wu Y,Liu J,Yang C
The regulatory effect of fermented black barley on the gut microbiota and metabolic dysbiosis in mice exposed to cigarette smoke.

Food research international (Ottawa, Ont.) , Volume: 157 2022 Jul
Authors Zhong L,Qin L,Ding X,Ma L,Wang Y,Liu M,Chen H,Yan H,Song L
Altered Intestinal Production of Volatile Fatty Acids in Dogs Triggered by Lactulose and Psyllium Treatment.

Veterinary sciences , Volume: 9 Issue: 5 2022 Apr 23
Authors Mackei M,Talabér R,Müller L,Sterczer Á,Fébel H,Neogrády Z,Mátis G
The impacts of bovine milk, soy beverage, or almond beverage on the growing rat microbiome.

PeerJ , Volume: 10 2022
Authors Cakebread J,Wallace OAM,Henderson H,Jauregui R,Young W,Hodgkinson A
Potential Effects of Sucralose and Saccharin on Gut Microbiota: A Review.

Nutrients , Volume: 14 Issue: 8 2022 Apr 18
Authors Del Pozo S,Gómez-Martínez S,Díaz LE,Nova E,Urrialde R,Marcos A
Potential Effects of Sucralose and Saccharin on Gut Microbiota: A Review.

Nutrients , Volume: 14 Issue: 8 2022 Apr 18
Authors Del Pozo S,Gómez-Martínez S,Díaz LE,Nova E,Urrialde R,Marcos A
Lactobacillus casei Zhang exerts probiotic effects to antibiotic-treated rats.

Computational and structural biotechnology journal , Volume: 19 2021
Authors Yao G,Cao C,Zhang M,Kwok LY,Zhang H,Zhang W
Bacillus pumilus and *Bacillus subtilis* Promote Early Maturation of Cecal Microbiota in Broiler Chickens.

Microorganisms , Volume: 9 Issue: 9 2021 Sep 7
Authors Bilal M,Achard C,Barbe F,Chevaux E,Ronholm J,Zhao X
Owning a Pet Is Associated with Changes in the Composition of Gut Microbiota and Could Influence the Risk of Metabolic Disorders in Humans.

Animals : an open access journal from MDPI , Volume: 11 Issue: 8 2021 Aug 9
Authors Arenas-Montes J,Perez-Martinez P,Vals-Delgado C,Romero-Cabrera JL,Cardelo MP,Leon-Acuña A,Quintana-Navarro GM,Alcala-Diaz JF,Lopez-Miranda J,Camargo A,Perez-Jimenez F
An exercise intervention alters stool microbiota and metabolites among older, sedentary adults.

Therapeutic advances in infectious disease , Volume: 8 2021 Jan-Dec
Authors Erlandson KM,Liu J,Johnson R,Dillon S,Jankowski CM,Kroehl M,Robertson CE,Frank DN,Tuncil Y,Higgins J,Hamaker B,Wilson CC
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
Glutamine supplementation affected the gut bacterial community and fermentation leading to improved nutrient digestibility in growth-retarded yaks.

FEMS microbiology ecology , Volume: 97 Issue: 7 2021 Jul 1
Authors Ma J,Zhu Y,Wang Z,Yu X,Hu R,Wang X,Cao G,Zou H,Shah AM,Peng Q,Xue B,Wang L,Zhao S,Kong X
A multi-omics approach for understanding the effects of moderate wine consumption on human intestinal health.

Food & function , Volume: 12 Issue: 9 2021 May 11
Authors Belda I,Cueva C,Tamargo A,Ravarani CN,Acedo A,Bartolomé B,Moreno-Arribas MV
Dietary glycyl-glutamine supplementation ameliorates intestinal integrity, inflammatory response, and oxidative status in association with the gut microbiota in LPS-challenged piglets.

Food & function , Volume: 12 Issue: 8 2021 Apr 21
Authors Xu B ,Yan Y ,Yin B ,Zhang L ,Qin W ,Niu Y ,Tang Y ,Zhou S ,Yan X ,Ma L
Supplemental Xylooligosaccharide Modulates Intestinal Mucosal Barrier and Cecal Microbiota in Laying Hens Fed Oxidized Fish Oil.

Frontiers in microbiology , Volume: 12 2021
Authors Zhou JM,Zhang HJ,Wu SG,Qiu K,Fu Y,Qi GH,Wang J
Gut Microbiota Bacterial Species Associated with Mediterranean Diet-Related Food Groups in a Northern Spanish Population.

Nutrients , Volume: 13 Issue: 2 2021 Feb 16
Authors Rosés C,Cuevas-Sierra A,Quintana S,Riezu-Boj JI,Martínez JA,Milagro FI,Barceló A
Probiotic Bacillus subtilis 29,784 improved weight gain and enhanced gut health status of broilers under necrotic enteritis condition.

Poultry science , Volume: 100 Issue: 4 2021 Apr
Authors Keerqin C,Rhayat L,Zhang ZH,Gharib-Naseri K,Kheravii SK,Devillard E,Crowley TM,Wu SB
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
Effect of almond hulls as an alternative ingredient on broiler performance, nutrient digestibility, and cecal microbiota diversity.
Poultry science , Volume: 100 Issue: 3 2021 Mar
Authors Wang J,Singh AK,Kong F,Kim WK
Pomegranate peel extract ameliorates the severity of experimental autoimmune encephalomyelitis via modulation of gut microbiota.
Gut microbes , Volume: 12 Issue: 1 2020 Nov 9
Authors Lu XY,Han B,Deng X,Deng SY,Zhang YY,Shen PX,Hui T,Chen RH,Li X,Zhang Y
Effect of polyphenols isolated from purple sweet potato (Ipomoea batatas cv. Ayamurasaki) on the microbiota and the biomarker of colonic fermentation in rats fed with cellulose or inulin.
Food & function , Volume: 11 Issue: 11 2020 Nov 18
Authors Kilua A ,Han KH ,Fukushima M
In Vitro Digestion and Fermentation by Human Fecal Microbiota of Polysaccharides from Flaxseed.
Molecules (Basel, Switzerland) , Volume: 25 Issue: 19 2020 Sep 23
Authors Zhou X,Zhang Z,Huang F,Yang C,Huang Q
Beneficial effects of flaxseed polysaccharides on metabolic syndrome via gut microbiota in high-fat diet fed mice.
Food research international (Ottawa, Ont.) , Volume: 131 2020 May
Authors Yang C,Xu Z,Deng Q,Huang Q,Wang X,Huang F
Bofutsushosan improves gut barrier function with a bloom of Akkermansia muciniphila and improves glucose metabolism in mice with diet-induced obesity.
Scientific reports , Volume: 10 Issue: 1 2020 Mar 26
Authors Fujisaka S,Usui I,Nawaz A,Igarashi Y,Okabe K,Furusawa Y,Watanabe S,Yamamoto S,Sasahara M,Watanabe Y,Nagai Y,Yagi K,Nakagawa T,Tobe K
Effect of Dose and Timing of Burdock (Arctium lappa) Root Intake on Intestinal Microbiota of Mice.
Microorganisms , Volume: 8 Issue: 2 2020 Feb 6
Authors Watanabe A,Sasaki H,Miyakawa H,Nakayama Y,Lyu Y,Shibata S
Pistachio Consumption Alleviates Inflammation and Improves Gut Microbiota Composition in Mice Fed a High-Fat Diet.
International journal of molecular sciences , Volume: 21 Issue: 1 2020 Jan 6
Authors Terzo S,Mulè F,Caldara GF,Baldassano S,Puleio R,Vitale M,Cassata G,Ferrantelli V,Amato A
The prebiotic properties of Hibiscus sabdariffa extract contribute to the beneficial effects in diet-induced obesity in mice.
Food research international (Ottawa, Ont.) , Volume: 127 2020 Jan
Authors Diez-Echave P,Vezza T,Rodríguez-Nogales A,Ruiz-Malagón AJ,Hidalgo-García L,Garrido-Mesa J,Molina-Tijeras JA,Romero M,Robles-Vera I,Pimentel-Moral S,Borras-Linares I,Arráez-Román D,Segura-Carretero A,Micol V,García F,Duarte J,Rodríguez-Cabezas ME,Gálvez J
Physiological and Biochemical Effects of Intrinsically High and Low Exercise Capacities Through Multiomics Approaches.
Frontiers in physiology , Volume: 10 2019
Authors Tung YT,Hsu YJ,Liao CC,Ho ST,Huang CC,Huang WC
Lactulose drives a reversible reduction and qualitative modulation of the faecal microbiota diversity in healthy dogs.
Scientific reports , Volume: 9 Issue: 1 2019 Sep 16
Authors Ferreira MDF,Salavati Schmitz S,Schoenebeck JJ,Clements DN,Campbell SM,Gaylor DE,Mellanby RJ,Gow AG,Salavati M
Rebalancing of the gut flora and microbial metabolism is responsible for the anti-arthritis effect of kaempferol.
Acta pharmacologica Sinica , Volume: 41 Issue: 1 2020 Jan
Authors Aa LX,Fei F,Qi Q,Sun RB,Gu SH,Di ZZ,Aa JY,Wang GJ,Liu CX
In vivo and in vitro anti-inflammatory effects of water-soluble polysaccharide from Arctium lappa.
International journal of biological macromolecules , Volume: 135 2019 Aug 15
Authors Zhang N,Wang Y,Kan J,Wu X,Zhang X,Tang S,Sun R,Liu J,Qian C,Jin C
Structural characterization of water-soluble polysaccharide from Arctium lappa and its effects on colitis mice.
Carbohydrate polymers , Volume: 213 2019 Jun 1
Authors Wang Y,Zhang N,Kan J,Zhang X,Wu X,Sun R,Tang S,Liu J,Qian C,Jin C
Birth Mode, Breastfeeding, Pet Exposure, and Antibiotic Use: Associations With the Gut Microbiome and Sensitization in Children.
Current allergy and asthma reports , Volume: 19 Issue: 4 2019 Mar 11
Authors Kim H,Sitarik AR,Woodcroft K,Johnson CC,Zoratti E

A ropy exopolysaccharide producing strain Bifidobacterium longum subsp. longum YS108R alleviates DSS-induced colitis by maintenance of the mucosal barrier and gut microbiota modulation.
Food & function , Volume: 10 Issue: 3 2019 Mar 20
Authors Yan S ,Yang B ,Zhao J ,Zhao J ,Stanton C ,Ross RP ,Zhang H ,Chen W

Supplementation with Lactobacillus kefiranofaciens ZW3 from Tibetan Kefir improves depression-like behavior in stressed mice by modulating the gut microbiota.
Food & function , Volume: 10 Issue: 2 2019 Feb 20
Authors Sun Y ,Geng W ,Pan Y ,Wang J ,Xiao P ,Wang Y

The Effect of Psyllium Husk on Intestinal Microbiota in Constipated Patients and Healthy Controls.
International journal of molecular sciences , Volume: 20 Issue: 2 2019 Jan 20
Authors Jalanka J,Major G,Murray K,Singh G,Nowak A,Kurtz C,Silos-Santiago I,Johnston JM,de Vos WM,Spiller R

Modulation of Gut Microbiota by Lonicera caerulea L. Berry Polyphenols in a Mouse Model of Fatty Liver Induced by High Fat Diet.
Molecules (Basel, Switzerland) , Volume: 23 Issue: 12 2018 Dec 5
Authors Wu S,Hu R,Nakano H,Chen K,Liu M,He X,Zhang H,He J,Hou DX

Simultaneous Supplementation of Bacillus subtilis and Antibiotic Growth Promoters by Stages Improved Intestinal Function of Pullets by Altering Gut Microbiota.
Frontiers in microbiology , Volume: 9 2018
Authors Li X,Wu S,Li X,Yan T,Duan Y,Yang X,Duan Y,Sun Q,Yang X

Behavioral response to fiber feedingis cohort-dependent and associated with gut microbiota composition in mice.
Behavioural brain research , Volume: 359 2019 Feb 1
Authors Mailing LJ,Allen JM,Pence BD,Rytych J,Sun Y,Bhattacharya TK,Park P,Cross TL,McCusker RH,Swanson KS,Fahey GC,Rhodes JS,Kelley KW,Johnson RW,Woods JA

Gut Microbiome Composition in Non-human Primates Consuming a Western or Mediterranean Diet.
Frontiers in nutrition , Volume: 5 2018
Authors Nagpal R,Shively CA,Appt SA,Register TC,Michalson KT,Vitolins MZ,Yadav H

Catechin supplemented in a FOS diet induces weight loss by altering cecal microbiota and gene expression of colonic epithelial cells.
Food & function , Volume: 9 Issue: 5 2018 May 23
Authors Luo J,Han L,Liu L,Gao L,Xue B,Wang Y,Ou S,Miller M,Peng X

Walnut Consumption Alters the Gastrointestinal Microbiota, Microbially Derived Secondary Bile Acids, and Health Markers in Healthy Adults: A Randomized Controlled Trial.
The Journal of nutrition , Volume: 148 Issue: 6 2018 Jun 1
Authors Holscher HD,Guetterman HM,Swanson KS,An R,Matthan NR,Lichtenstein AH,Novotny JA,Baer DJ

Role of Lactobacillus reuteri in Human Health and Diseases.
Frontiers in microbiology , Volume: 9 2018
Authors Mu Q,Tavella VJ,Luo XM

Fecal microbiome composition and stability in 4- to 8-year old children is associated with dietary patterns and nutrient intake.
The Journal of nutritional biochemistry , Volume: 56 2018 Jun
Authors Berding K,Holscher HD,Arthur AE,Donovan SM

High salt diet exacerbates colitis in mice by decreasing Lactobacillus levels and butyrate production.
Microbiome , Volume: 6 Issue: 1 2018 Mar 22
Authors Miranda PM,De Palma G,Serkis V,Lu J,Louis-Auguste MP,McCarville JL,Verdu EF,Collins SM,Bercik P

Prebiotic Potential of Herbal Medicines Used in Digestive Health and Disease.
Journal of alternative and complementary medicine (New York, N.Y.) , Volume: 24 Issue: 7 2018 Jul
Authors Peterson CT,Sharma V,Uchitel S,Denniston K,Chopra D,Mills PJ,Peterson SN

Oral supplementation of Bifidobacterium longum strain BR-108 alters cecal microbiota by stimulating gut immune system in mice irrespectively of viability.
Bioscience, biotechnology, and biochemistry , Volume: 82 Issue: 7 2018 Jul
Authors Makioka Y,Tsukahara T,Ijichi T,Inoue R

Inulin-type fructan improves diabetic phenotype and gut microbiota profiles in rats.
PeerJ , Volume: 6 2018
Authors Zhang Q,Yu H,Xiao X,Hu L,Xin F,Yu X

Long-term treatment with green tea polyphenols modifies the gut microbiome of female sprague-dawley rats.
The Journal of nutritional biochemistry , Volume: 56 2018 Jun
Authors Wang J,Tang L,Zhou H,Zhou J,Glenn TC,Shen CL,Wang JS

Almond Consumption and Processing Affects the Composition of the Gastrointestinal Microbiota of Healthy Adult Men and

Women: A Randomized Controlled Trial.
Nutrients , Volume: 10 Issue: 2 2018 Jan 26
Authors Holscher HD,Taylor AM,Swanson KS,Novotny JA,Baer DJ
Effects of polysaccharides from purple sweet potatoes on immune response and gut microbiota composition in normal and cyclophosphamide treated mice.
Food & function , Volume: 9 Issue: 2 2018 Feb 21
Authors Tang C,Sun J,Zhou B,Jin C,Liu J,Kan J,Qian C,Zhang N
Fructooligosaccharide (FOS) and Galactooligosaccharide (GOS) Increase Bifidobacterium but Reduce Butyrate Producing Bacteria with Adverse Glycemic Metabolism in healthy young population.
Scientific reports , Volume: 7 Issue: 1 2017 Sep 18
Authors Liu F,Li P,Chen M,Luo Y,Prabhakar M,Zheng H,He Y,Qi Q,Long H,Zhang Y,Sheng H,Zhou H
Apigenin Impacts the Growth of the Gut Microbiota and Alters the Gene Expression of Enterococcus.
Molecules (Basel, Switzerland) , Volume: 22 Issue: 8 2017 Aug 3
Authors Wang M,Firrman J,Zhang L,Arango-Argoty G,Tomasula P,Liu L,Xiao W,Yam K
Saccharin induced liver inflammation in mice by altering the gut microbiota and its metabolic functions.
Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , Volume: 107 Issue: Pt B 2017 Sep
Authors Bian X,Tu P,Chi L,Gao B,Ru H,Lu K
Berberine protects against diet-induced obesity through regulating metabolic endotoxemia and gut hormone levels.
Molecular medicine reports , Volume: 15 Issue: 5 2017 May
Authors Xu JH,Liu XZ,Pan W,Zou DJ
L-Glutamine Supplementation Alleviates Constipation during Late Gestation of Mini Sows by Modifying the Microbiota Composition in Feces.
BioMed research international , Volume: 2017 2017
Authors Zhang Y,Lu T,Han L,Zhao L,Niu Y,Chen H
Exposure to household furry pets influences the gut microbiota of infant at 3-4 months following various birth scenarios.
Microbiome , Volume: 5 Issue: 1 2017 Apr 6
Authors Tun HM,Konya T,Takaro TK,Brook JR,Chari R,Field CJ,Guttman DS,Becker AB,Mandhane PJ,Turvey SE,Subbarao P,Sears MR,Scott JA,Kozyrskyj AL,CHILD Study Investigators
Key bacterial families (Clostridiaceae, Erysipelotrichaceae and Bacteroidaceae) are related to the digestion of protein and energy in dogs.
PeerJ , Volume: 5 2017
Authors Bermingham EN,Maclean P,Thomas DG,Cave NJ,Young W
Apple peel polyphenols: a key player in the prevention and treatment of experimental inflammatory bowel disease.
Clinical science (London, England : 1979) , Volume: 130 Issue: 23 2016 Dec 1
Authors Denis MC,Roy D,Yeganeh PR,Desjardins Y,Varin T,Haddad N,Amre D,Sané AT,Garofalo C,Furtos A,Patey N,Delvin E,Tremblay E,Marette A,Beaulieu JF,Levy E
Diets enriched with cranberry beans alter the microbiota and mitigate colitis severity and associated inflammation.
The Journal of nutritional biochemistry , Volume: 28 2016 Feb
Authors Monk JM,Lepp D,Zhang CP,Wu W,Zarepoor L,Lu JT,Pauls KP,Tsao R,Wood GA,Robinson LE,Power KA
The Effect of Lactobacillus casei 32G on the Mouse Cecum Microbiota and Innate Immune Response Is Dose and Time Dependent.
PloS one , Volume: 10 Issue: 12 2015
Authors Aktas B,De Wolfe TJ,Tandee K,Safdar N,Darien BJ,Steele JL
Modulation of gut microbiota by berberine and metformin during the treatment of high-fat diet-induced obesity in rats.
Scientific reports , Volume: 5 2015 Sep 23
Authors Zhang X,Zhao Y,Xu J,Xue Z,Zhang M,Pang X,Zhang X,Zhao L
Effect of daily intake of pomegranate juice on fecal microbiota and feces metabolites from healthy volunteers.
Molecular nutrition & food research , Volume: 59 Issue: 10 2015 Oct
Authors Mosele JI,Gosalbes MJ,Macià A,Rubió L,Vázquez-Castellanos JF,Jiménez Hernández N,Moya A,Latorre A,Motilva MJ
Whole grain oats improve insulin sensitivity and plasma cholesterol profile and modify gut microbiota composition in C57BL/6J mice.
The Journal of nutrition , Volume: 145 Issue: 2 2015 Feb
Authors Zhou AL,Hergert N,Rompato G,Lefevre M
Lentinula edodes-derived polysaccharide alters the spatial structure of gut microbiota in mice.
PloS one , Volume: 10 Issue: 1 2015
Authors Xu X,Zhang X
454 pyrosequencing reveals changes in the faecal microbiota of adults consuming Lactobacillus casei Zhang.

FEMS microbiology ecology , Volume: 88 Issue: 3 2014 Jun
Authors Zhang J,Wang L,Guo Z,Sun Z,Gesudu Q,Kwok L,Menghebilige,Zhang H
Structural changes of gut microbiota during berberine-mediated prevention of obesity and insulin resistance in high-fat diet-fed rats.
PloS one , Volume: 7 Issue: 8 2012
Authors Zhang X,Zhao Y,Zhang M,Pang X,Xu J,Kang C,Li M,Zhang C,Zhang Z,Zhang Y,Li X,Ning G,Zhao L
Human gut bacterial communities are altered by addition of cruciferous vegetables to a controlled fruit- and vegetable-free diet.
The Journal of nutrition , Volume: 139 Issue: 9 2009 Sep
Authors Li F,Hullar MA,Schwarz Y,Lampe JW
Exopolysaccharides produced by intestinal Bifidobacterium strains act as fermentable substrates for human intestinal bacteria.
Applied and environmental microbiology , Volume: 74 Issue: 15 2008 Aug
Authors Salazar N,Gueimonde M,Hernández-Barranco AM,Ruas-Madiedo P,de los Reyes-Gavilán CG
Effect of tea phenolics and their aromatic fecal bacterial metabolites on intestinal microbiota.
Research in microbiology , Volume: 157 Issue: 9 2006 Nov
Authors Lee HC,Jenner AM,Low CS,Lee YK
Oligofructose and long-chain inulin: influence on the gut microbial ecology of rats associated with a human faecal flora.
The British journal of nutrition , Volume: 86 Issue: 2 2001 Aug
Authors Kleessen B,Hartmann L,Blaut M
Infectious Disease and Antibmicrobial Agents
antimicrobe: Infectious Disease and Antibmicrobial Agents , Volume:
Authors E-Sun Technologies
Curated database of commensal, symbiotic and pathogenic microbiota
Generative Bioinformatics , Volume: Issue: 2014 Jun
Authors D'Adamo Peter

Additional APriori Analysis Available

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

Abdominal Aortic Aneurysm
Acne
Addison's Disease (hypocortisolism)
ADHD
Age-Related Macular Degeneration and Glaucoma
Allergic Rhinitis (Hay Fever)
Allergies
Allergy to milk products
Alopecia (Hair Loss)
Alzheimer's disease
Amyotrophic lateral sclerosis (ALS) Motor Neuron
Ankylosing spondylitis
Anorexia Nervosa
Antiphospholipid syndrome (APS)
Asthma
Atherosclerosis
Atrial fibrillation
Autism
Autoimmune Disease
Barrett esophagus cancer
benign prostatic hyperplasia
Biofilm
Bipolar Disorder
Brain Trauma
Breast Cancer
Cancer (General)

Carcinoma
cdkl5 deficiency disorder
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
Cognitive Function
Colorectal Cancer
Constipation
Coronary artery disease
COVID-19
Crohn's Disease
Cushing's Syndrome (hypercortisolism)
cystic fibrosis
d-lactic acidosis (one form of brain fog)
deep vein thrombosis
Denture Wearers Oral Shifts
Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy
erectile dysfunction
Fibromyalgia
Food Allergy
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus
Generalized anxiety disorder
giant cell arteritis
Glioblastoma
Gout
Graves' disease
Gulf War Syndrome
Halitosis
Hashimoto's thyroiditis
Heart Failure
hemorrhagic stroke
Hemorrhoidal disease, Hemorrhoids, Piles
Hidradenitis Suppurativa
High Histamine/low DAO
hypercholesterolemia (High Cholesterol)
hyperglycemia
Hyperlipidemia (High Blood Fats)
hypersomnia
hypertension (High Blood Pressure
Hypothyroidism
Hypoxia
IgA nephropathy (IgAN)
Inflammatory Bowel Disease
Insomnia
Intelligence
Intracranial aneurysms

Irritable Bowel Syndrome
ischemic stroke
Juvenile idiopathic arthritis
Liver Cirrhosis
liver fibrosis
Long COVID
Low bone mineral density
Lung Cancer
Lymphoma
Mast Cell Issues / mastitis
ME/CFS with IBS
ME/CFS without IBS
membranous nephropathy
Menopause
Metabolic Syndrome
Mood Disorders
multiple chemical sensitivity [MCS]
Multiple Sclerosis
Multiple system atrophy (MSA)
myasthenia gravis
neuropathic pain
Neuropathy (all types)
neuropsychiatric disorders (PANDAS, PANS)
Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic
NonCeliac Gluten Sensitivity
Obesity
obsessive-compulsive disorder
Osteoarthritis
Osteoporosis
pancreatic cancer
Parkinson's Disease
Peanut Allergy
Polycystic ovary syndrome
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder
primary biliary cholangitis
Primary sclerosing cholangitis
Psoriasis
rheumatoid arthritis (RA),Spondyloarthritis (SpA)
Rosacea
Schizophrenia
scoliosis
sensorineural hearing loss
Sjögren syndrome
Sleep Apnea
Slow gastric motility / Gastroparesis
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
Vitiligo