

Microbiome Information for: Intelligence

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 Intelligence

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	Bacteria Name	Rank	Shift	Taxonomy ID
Burkholderiaceae	family	High	119060	Fusicatenibacter	genus	High	1407607
Coriobacteriaceae	family	Low	84107	Oscillibacter	genus	Low	459786
Corynebacteriaceae	family	High	1653	Oscillospira	genus	High	119852
Lachnospiraceae	family	High	186803	Oxalobacter	genus	Low	846
Oscillospiraceae	family	High	216572	Prevotella	genus	Low	838
Porphyromonadaceae	family	Low	171551	Subdoligranulum	genus	Low	292632
Prevotellaceae	family	Low	171552	Sutterella	genus	Low	40544
Ruminococcaceae	family	High	541000	Bacteroides uniformis	species	High	820
Bacteroides	genus	High	816	Escherichia coli	species	High	562
Borrelia	genus	Low	138	Faecalibacterium prausnitzii	species	Low	853
Catenibacterium	genus	Low	135858	Haemophilus influenzae	species	Low	727
Clostridium	genus	High	1485	Ruminococcus callidus	species	High	40519
Coprococcus	genus	High	33042	Segatella copri	species	Low	165179
Dialister	genus	Low	39948	Streptococcus thermophilus	species	High	1308
				Veillonella dispar	species	High	39778

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.

5,6-dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-

a]quinolizinium {Berberine} 1.5 gram/day

(2->1)-beta-D-fructofuranan {Inulin} 32 gram/day

2H-1,6,2-benzothiazol-1,1,3-trione {Saccharin} 450 mg/day

Abstention from eating {Fasting}

Amylum {Starch}

Avena sativa x Hordeum vulgare {barley,oat}

bifidobacterium longum {B.Longum} 10 BCFU/day

cholic,taurocholic ,chenodeoxycholic,glycocholic acids {Bile supplements}

dietary fiber

high-fat diets

Hordeum vulgare {Barley} 60 gram/day

nicotinic acid {Vitamin B-3} 3000 mg/day

pectin {pectin}

resistant starch

Slow digestible carbohydrates. {Low Glycemic}

Sodium Chloride {Salt}

β-glucan {Beta-Glucan} 500 mg/day

vitamin d 50000 UI/day

wheat

Retail Probiotics

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

Swiss BioEnergetics / Full Spectrum Probiotic Defence
 Bromatech (IT) / Serobiome
 naturopathica (au) / gastrohealth probiotic dairy free 50 billion
 nature's way (au) / restore probiotic bowel & colon health 30s
 Align / Align® Chewables
 naturopathica (au) / gastrohealth fibrepro
 blackmore (au) / probiotics+ eczema relief
 optibac / for every day
 Bromatech (IT) / Bifiselle
 custom probiotics / five strain bifidobacteria
 Bromatech (IT) / Rotanelle plus
 Microbiome Labs / ZENBIOME Dual
 canada (ca) / calmbiotic
 Ombre / Heart Health
 klaire labs / ther-biotic factor 4
 InnovixLabs / Mood Probiotic
 PoolPharma (IT) / ProbioTKMIO
 naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu
 CVSHealth / Daily Probiotic
 blackmores (au) / probiotics+ immune defence
 PharmExtracta (IT) / Gliadines buccal stickpacks
 Sanogermina / AB-Kolicare
 Bioflora(MX) / Woman
 jarow formulas / jarro-dophilus mood
 blackmore (au) / probiotics+ bowel support
 Probiotic Sticks
 Ombre / Metabolic Booster
 nature's way (au) / restore probiotic 30 billion 30s
 naturopathica (au) / gastrohealth probiotic daily care
 blackmore (au) / probiotics+ daily health
 PrecisionBiotics / Immune
 Genesis Bifidobacterium Complex BB Probiotic
 seed / male version
 lifted naturals / mood boosting probiotic
 cytoplan(uk) / dentavital bifidophilus
 CustomProbiotics.com / B. Longum Probiotic Powder
 Maple Life Science™ / Bifidobacterium longum
 blackmores (au) / probiotics + adults daily (90 capsules)
 Metabolics / Bifidobacterium Longum Powder
 Bulk Probiotics / B. Longum Probiotic Powder
 nature's way (au) / restore probiotic daily health 90s
 naturopathica (au) / gastrohealth probiotic ultimate daily care 100billion
 spain (es) / vivomixx
 Seeking Health / Probiota Bifidobacterium
 align / align
 jarow formulas / bifidus balance® + fos
 ProbioMax® Daily DF
 Align® Extra Strength
 naturopathica (au) / gastrohealth probiotic adults 50+
 Schwabe Pharma Italia / MegaStress
 Ombre / Mood Enhancer
 PrecisionBiotics / Zenflore
 PharmExtracta / Bowell
 up4 / adult

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.

(2S)-2-amino-4-carbamoylbutanoic acid {Glutamine}
 2-(3,4-Dihydroxyphenyl)-5,7-dihydroxy-4H-chromen-4-one
 {Luteolin}
 3,3',4',5,7-pentahydroxyflavone {Quercetin}
 3,4-dihydroxyphenyllactic acid {Rosmarinic acid}
 acarbose,(prescription)
 amikacin
 amoxicillin [CFS]
 azithromycin,[CFS]
 benzylpenicillin sodium (antibiotic)
 Camellia Linnaeus {camellia}
 Cannabis sativa {Marijuana}
 cefotaxime sodium salt (antibiotic)
 ceftazidime
 chloramphenicol
 Cinnamomum zeylanicum {Ceylon Cinnamon}
 ciprofloxacin [CFS]
 Citrus limon {Lemon}
 clindamycin [CFS]
 cranberry bean flour
 D-(-)-Fructose {Fruit sugar}
 eugenol {Eugenic acid}
 gatifloxacin (antibiotic)
 gentamicin
 green tea
 imipenem
 Lactocaseibacillus casei {L. casei}
 Lactobacillus gasseri {L.gasseri}
 Lavandula angustifolia {lavender}
 Ligilactobacillus salivarius {L. salivarius}
 linezolid (antibiotic)
 meropenem

Metha family {Mint}
 metronidazole [CFS]
 monensin sodium salt,(prescription)
 Morinda citrifolia {Noni}
 moxifloxacin (antibiotic)
 Nigella sativa {black cumin}
 norfloxacin
 Ocimum basilicum {Basil}
 Ocimum gratissimum {Clove basil}
 ofloxacin
 origanum vulgare {oregano}
 Pimpinella anisum {Anise}
 Piper nigrum {black pepper}
 piperacillin-tazobactam
 polyphenols
 Propolis {Bee glue}
 Punica granatum {pomegranate}
 red wine
 Riboflavin {Vitamin B2}
 rifaximin
 rosmarinus officinalis {rosemary}
 Salvia officinalis {Sage}
 Secale cereale {Rye}
 Silver nanoparticles {Colloidal silver}
 β-(1?4)-linked D-glucosamine and N-acetyl-D-glucosamine
 {Chitosan}
 syzygium aromaticum {clove}
 Thymus vulgaris {thyme}
 trimethoprim
 Vaccinium {Cranberry}
 vancomycin (antibiotic)[CFS]
 Zingiber officinale Roscoe {ginger}

Sample of Literature Used

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

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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
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