

Microbiome Information for: ME/CFS with IBS

For non-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

[Our Facebook Discussion Page](#)

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of ME/CFS with IBS

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
Alistipes	<i>genus</i>	High	239759	Blautia obeum	<i>species</i>	Low	40520
Bacteroides	<i>genus</i>	Low	816	Coprococcus catus	<i>species</i>	Low	116085
Bifidobacterium	<i>genus</i>	Low	1678	Coprococcus comes	<i>species</i>	Low	410072
Clostridium	<i>genus</i>	High	1485	Dorea formicigenerans	<i>species</i>	Low	39486
Faecalibacterium	<i>genus</i>	Low	216851	Dorea longicatena	<i>species</i>	Low	88431
Streptococcus	<i>genus</i>	High	1301	Enterocloster bolteae	<i>species</i>	High	208479
Anaerobutyricum hallii	<i>species</i>	Low	39488	Faecalibacterium prausnitzii	<i>species</i>	Low	853
Anaerostipes caccae	<i>species</i>	High	105841	Roseburia inulinivorans	<i>species</i>	Low	360807

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.

amaranth

bifidobacterium pseudocatenulatum li09, bifidobacterium
catenulatum li10 (probiotics)

bile (acid/salts)

Caffeine

candida albicans (prescription)

chestnut tannins

choline 1 g/day

dairy

diosmin,(polyphenol) 1500 mg/day

fluorine

Fruits (Cooked)

high red meat

ku ding cha tea

lactobacillus gasseri (probiotics) 10 BCFU/day

lactulose

linseed(flaxseed) 30 mg/day

Lithium

melatonin supplement 10 mg/day

N-Acetyl Cysteine (NAC), 2400 mg/day

Nicotine, Nicotine Patch

rare meat

red wine polyphenols 600 mg/day

rhubarb

Sijunzi decoction

sucralose 340 mg/day

Tributyrin

Vitamin B1, thiamine hydrochloride 1.8 gram/day

vitamin B7, biotin 300 mg/day

Vitamin B9, folic acid 5 mg/day

vsl#3 (probiotics)

Whole Cow milk

Retail Probiotics

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

spain (es) / muvagyn probiotico
Wakunaga / Kyo-Dophilus® Multi 9 Probiotic
philips / colon health
wakamoto (jp) / wakamoto pharmaceutical intestinal drug
Wakunaga / Daily Probiotic
Wakunaga / 50+
CustomProbiotics.com / L. Gasseri Probiotic Powder
SuperSmart / Lactobacillus Gasseri
Wakunaga / Pro+ Synbiotic

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.

apple	Limosilactobacillus fermentum (probiotic)
arabinogalactan (prebiotic)	partially hydrolyzed guar gum
bacillus subtilis (probiotics)	pectin
fasting	resistant starch
fructo-oligosaccharides (prebiotic)	resveratrol (grape seed/polyphenols/red wine)
galacto-oligosaccharides (prebiotic)	rosmarinus officinalis, rosemary
Human milk oligosaccharides (prebiotic, Holigos, Stachyose)	Slippery Elm
inulin (prebiotic)	soy
lactobacillus paracasei (probiotics)	vitamin d
lactobacillus plantarum (probiotics)	wheat bran

Sample of Literature Used

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

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Additional APriori Analysis Available

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

Abdominal Aortic Aneurysm

Acne

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
Bipolar Disorder
Brain Trauma
Breast Cancer
Cancer (General)
Carcinoma
cdk15 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
Colorectal Cancer
Constipation
Coronary artery disease
COVID-19
Crohn's Disease
cystic fibrosis
deep vein thrombosis
Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy
erectile dysfunction
Fibromyalgia
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
Halitosis
Hashimoto's thyroiditis
Heart Failure
Hemorrhoidal disease, Hemorrhoids, Piles
Hidradenitis Suppurativa
Histamine Issues
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
Juvenile idiopathic arthritis
Liver Cirrhosis
Long COVID
Low bone mineral density
Lung Cancer
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
Polycystic ovary syndrome
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder
primary biliary cholangitis
Psoriasis
rheumatoid arthritis (RA), Spondyloarthritis (SpA)
Rosacea
Schizophrenia
scoliosis
sensorineural hearing loss
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