

Microbiome Information for: gallstone disease (gsd)

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

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of gallstone disease (gsd)

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
Lactobacillaceae	family	High	33958	Faecalibacterium	genus	Low	216851
Alistipes	genus	Low	239759	Fusobacterium	genus	Low	848
Anaerostipes	genus	High	207244	Helicobacter	genus	High	209
Anaerotruncus	genus	High	244127	Oscillospira	genus	High	119852
Barnesiella	genus	Low	397864	Parabacteroides	genus	High	375288
Bifidobacterium	genus	Low	1678	Paraprevotella	genus	High	577309
Blautia	genus	High	572511	Roseburia	genus	Low	841
Clostridium	genus	High	1485	Ruminococcus	genus	High	1263
Dorea	genus	High	189330	Salmonella	genus	High	590
Escherichia	genus	High	561	Veillonella	genus	High	29465
Eubacterium	genus	Low	1730	Vibrio	genus	High	662

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.

animal-based diet	low carbohydrate diet
aspartame (sweetner)	macrolide ((antibiotics)
berberine 1.5 gram/day	methionine-choline-deficient (MCD) diet
bile (acid/salts)	navy bean
carob	non-starch polysaccharides
cellulose (prebiotic)	oligosaccharides (prebiotic)
chitosan,(sugar) 3 gram/day	omega-3 fatty acids 4 gram/day
dairy	penicillin-moxalactam (antibiotics)
d-ribose 10 gram/day	proton-pump inhibitors (prescription) 60 mg/day
epinephrine	rhubarb
fat	saccharomyces boulardii (probiotics) 6 BCFU/day
galactose (milk sugar)	saccharomyces cerevisiae (probiotics)
gatifloxacin (antibiotic)	sodium butyrate
high red meat	ymbioflor 2 e.coli probiotics
high salt	Tributylin
high sugar diet	vegetarians
hypocaloric hyperproteic diet	vitamin a 25000 IU/day
ketogenic diet	Vitamin B9,folic acid 5 mg/day
lactulose	vitamin d 50000 UI/day

Retail Probiotics

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

spain (es) / ultralevura
spain (es) / axiboulardi
Dr.Max / ProtectMax ATB
naturopathica (au) / gastrohealth probiotic daily care
nature's instincts / ultra spore probiotic
organic 3 / yeastbiotic
Ombre / Harmony
SuperSmart / Saccharomyces Boulardii
naturopathica (au) / gastrohealth probiotics
symbiopharm / symbioflo 2
probiotic pur (de) / realdose nutrition
microbiome labs / restorflora
Realdose
florastor / florastor
optibac / saccharomyces boulardii

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.

acarbose,(prescription)	lactobacillus paracasei (probiotics)
alverine citrate salt,(prescription)	lidoflazine,(prescription)
amikacin (antibiotic)s	luteolin (flavonoid)
amiodarone hydrochloride,(prescription)	methiothepin maleate,(prescription)
apple	Moringa Oleifera
arabinogalactan (prebiotic)	naproxen,(prescription)
atorvastatin (prescription)	ofloxacin (antibiotic)s
azelastine hcl,(prescription)	pediococcus acidilactic (probiotic)
Cacao	pimozide,(prescription)
ceftazidime (antibiotic)s	piperacillin-tazobactam (antibiotic)s
cinnamon (oil. spice)	PreforPro
ciprofloxacin (antibiotic)s[CFS]	prenylamine lactate,(prescription)
clofillium tosylate,(prescription)	reserpine,(prescription)
clomiphene citrate (z,e),(prescription)	risperidone,(prescription)
cranberry bean flour	rosmarinus officinalis,rosemary
enterococcus faecium (probiotic)	sertindole,(prescription)
fluphenazine dihydrochloride,(prescription)	soy
fructo-oligosaccharides (prebiotic)	streptozotocin,(prescription)
galacto-oligosaccharides (prebiotic)	tamoxifen citrate,(prescription)
gentamicin (antibiotic)s	thioridazine hydrochloride,(prescription)
gluten	thyme (thymol, thyme oil)
green tea	toremifene,(prescription)
halofantrine hydrochloride,(prescription)	trichlorfon,(prescription)
Hesperidin (polyphenol)	trifluoperazine dihydrochloride,(prescription)
Human milk oligosaccharides (prebiotic, Holigos, Stachyose)	trimethoprim (antibiotic)s
hyoscyamine (l),(prescription)	Vitamin B1,thiamine hydrochloride
ibuprofen	Vitamin B-12
imipenem (antibiotic)s	Vitamin C (ascorbic acid)
inulin (prebiotic)	wheat
lactobacillus casei (probiotics)	whey

Sample of Literature Used

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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