

Microbiome Information for: High Histamine/low DAO

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 High Histamine/low DAO

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
Acholeplasmataceae	family	High	2146	Clostridium perfringens	species	High	1502
Actinomycetaceae	family	High	2049	Enterobacter cloacae	species	High	550
Bifidobacteriaceae	family	Low	31953	Enterococcus faecalis	species	High	1351
Enterobacteriaceae	family	High	543	Escherichia coli	species	High	562
Prevotellaceae	family	Low	171552	Hafnia alvei	species	High	569
Staphylococcaceae	family	High	90964	Klebsiella oxytoca	species	High	571
Bifidobacterium	genus	Low	1678	Klebsiella pneumoniae	species	High	573
Butyrivibrio	genus	Low	574697	Kluyvera intermedia	species	High	61648
Clostridium	genus	High	1485	Lactocaseibacillus casei	species	High	1582
Enterobacter	genus	High	547	Lentilactobacillus hilgardii	species	High	1588
Faecalibacterium	genus	Low	216851	Morganella morganii	species	High	582
Hespellia	genus	Low	241189	Morganella psychrotolerans	species	High	368603
Klebsiella	genus	High	570	Photobacterium angustum	species	High	661
Lactobacillus	genus	High	1578	Photobacterium aquimaris	species	High	512643
Morganella	genus	High	581	Photobacterium damsela	species	High	38293
Morganella	genus	High	108061	Photobacterium kishitani	species	High	318456
Morganella	genus	High	90690	Photobacterium phosphoreum	species	High	659
Photobacterium	genus	High	657	Plesiomonas shigelloides	species	High	703
Proteus	genus	High	583	Proteus mirabilis	species	High	584
Proteus	genus	High	210425	Proteus vulgaris	species	High	585
Roseburia	genus	High	841	Providencia stuartii	species	High	588
Ruminococcus	genus	Low	1263	Rahnella aquatilis	species	High	34038
Serratia	genus	High	613	Raoultella terrigena	species	High	577
Staphylococcus	genus	High	1279	Serratia fonticola	species	High	47917
Citrobacter braakii	species	High	57706	Serratia liquefaciens	species	High	614
Citrobacter freundii	species	High	546	Serratia marcescens	species	High	615
Citrobacter youngae	species	High	133448	Serratia plymuthica	species	High	82996
				Salmonella enterica subsp. arizonae	subspecies	High	59203

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.

Abstention from eating {Fasting}

Arthrospira platensis {Spirulina}

Ceratonia siliqua {carob}

Escherichia coli cryodesiccata {colinfant probiotics}

Escherichia coli:DSM 16441-16448 {symbioflor-2}

Ferrum {Iron Supplements} 400 mg/day

high red meat

high-fat diets

High-protein diet {Atkins low-carbohydrate diet}

Nitrogen Oxide x Particulate Matter {Urban air pollutant}

N-L-a-aspartyl-L-phenylalanine methyl ester {aspartame}

penicillin-moxalactam

proton-pump inhibitors (prescription) 60 mg/day

Sucralose {Splenda} 340 mg/day

Ulmus rubra {slippery elm}

Under cooked animal protein {Rare meat}

Retail Probiotics

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

symbiopharm / symbioflo 2

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.

(2->1)-beta-D-fructofuranan {Inulin}	gentamicin
amikacin	green tea
amoxicillin [CFS]	imipenem
ampicillin [CFS]	Lactocaseibacillus casei {L. casei}
bacillus,lactobacillus,streptococcus,saccharomyces probiotic	Lactobacillus plantarum {L. plantarum}
benzylpenicillin sodium (antibiotic)	meropenem
cefotaxime sodium salt (antibiotic)	Ocimum gratissimum {Clove basil}
ceftazidime	ofloxacin
ceftriaxone	oligosaccharides {oligosaccharides}
Cinnamomum zeylanicum {Ceylon Cinnamon}	origanum vulgare {oregano}
ciprofloxacin [CFS]	piperacillin-tazobactam
D-(-)-Fructose {Fruit sugar}	Propolis {Bee glue}
dietary fiber	Salvia officinalis {Sage}
Diferuloylmethane {Curcumin}	Slow digestible carbohydrates. {Low Glycemic}
Fiber, total dietary	syzygium aromaticum {clove}
fluoroquinolone	Thymus vulgaris {thyme}
foeniculum vulgare,fennel	trimethoprim
fruit	vancomycin (antibiotic)[CFS]
fruit/legume fibre	yogurt
	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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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