Microbiome Information for: Allergies

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 *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

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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

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Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Allergies

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
Actinomycetes	class	High	1760
Bacteroidia	class	High	200643
Clostridia	class	Low	186801
Deltaproteobacteria	class	Low	28221
Acidaminococcaceae	family	Low	909930
Bacteroidaceae	family	High	815
Barnesiellaceae	family	Low	2005519
Bifidobacteriaceae	family	Low	31953
Burkholderiaceae	family	High	119060
Comamonadaceae	family	High	80864
Desulfovibrionaceae	family	Low	194924
Enterobacteriaceae	family	High	543
Erysipelotrichaceae	family	High	128827
Lachnospiraceae	family	Low	186803
Lactobacillaceae	family	Low	33958
Methylobacteriaceae	family	High	119045
Muribaculaceae	family	Low	2005473
Oscillospiraceae	family	Low	216572
Pasteurellaceae	family	High	712
Porphyromonadaceae	family	Low	171551
Prevotellaceae	family	Low	171552
Ruminococcaceae	family	High	541000
Sphingomonadaceae	family	High	41297
Adlercreutzia	genus	High	447020
Alistipes	genus	Low	239759
Anaeromassilibacillus	genus	High	1924093
Anaerotaenia	genus	Low	1843206
Bacteroides	genus	Low	816
Bifidobacterium	genus	Low	1678
Blautia	genus	High	572511
Citrobacter	genus	High	544
Clostridium	genus	Low	1485
Collinsella	genus	Low	102106
Dialister	genus	Low	39948
Eggerthella	genus	High	84111
Enhydrobacter	genus	High	212791
Enterococcus	genus	Low	1350
Erysipelatoclostridium	genus	High	1505663
Escherichia	genus	High	561
Eubacterium	genus	High	1730
Hungateiclostridium	genus	Low	2304692
Hungatella	genus	High	1649459
Lachnoclostridium	genus	High	1506553
Lactobacillus	genus	Low	1578
Limosilactobacillus	genus	Low	2742598
Megamonas	genus	Low	158846
Methanobrevibacter	genus	High	2172
Methylobacterium	genus	High	407
Oscillibacter	genus	Low	459786
Parabacteroides	genus	High	375288
Propionibacterium	genus	High	1743
Romboutsia	genus	Low	1501226
Ruminiclostridium	genus	High	1508657
Shigella	genus	High	620
Staphylococcus	genus	High	1279
Subdoligranulum	genus	Low	292632
Veillonella	genus	High	29465
Bacteroidales	order	High	171549
Akkermansia muciniphila	species	Low	239935
Aspergillus fumigatus	species	High	746128
Bacteroides fragilis	species	High	817
Bifidobacterium adolescentis	species	Low	1680
Bifidobacterium bifidum	species	High	1681
Bifidobacterium catenulatum	species	High	1686
Bifidobacterium longum	species	High	216816
Blautia obeum	species	High	40520
Clostridioides difficile	species	High	1496
Clostridium neonatale	species	High	137838
Clostridium paraputrificum	species	High	29363
Collinsella aerofaciens	species	High	74426
Coprococcus catus	species	High	116085
Dorea formicigenerans	species	High	39486
Escherichia coli	species	High	562
Eubacterium coprostanoligenes	species	Low	290054
Faecalibacterium prausnitzii	species	Low	853
Lactobacillus gasseri	species	High	1596
Limosilactobacillus reuteri	species	High	1598
Mediterraneibacter gnavus	species	High	33038
Oscillibacter valericigenes	species	High	351091
Phascolarctobacterium faecium	species	Low	33025
Pseudomonas aeruginosa	species	High	287
Robinsoniella peoriensis	species	High	180332
Ruminococcus bromii	species	Low	40518
Scardovia wiggsiae	species	High	230143
Segatella copri	species	Low	165179
Streptococcus lutetiensis	species	High	150055
Streptococcus mutans	species	High	1309

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.

Ferrum {Iron Supplements} 400 mg/day

Sucralose {Splenda} 340 mg/day

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.

(2->1)-beta-D-fructofuranan {Inulin}
3,3',4',5,7-pentahydroxyflavone {Quercetin}
Avena sativa x Hordeum vulgare {barley,oat}
bacillus
bacillus subtilis {B.Subtilis }
bacillus,lactobacillus,streptococcus,saccharomyces probiotic
Bifidobacterium animalis subsp. lactis {B. Lactis}
bifidobacterium bifidum {B. bifidum}
bifidobacterium longum {B.Longum }
Bovine Milk Products {Dairy}
Diferuloylmethane {Curcumin}
enterococcus faecium {E. faecium}
fructo-oligosaccharides
fruit
fruit/legume fibre
Hordeum vulgare {Barley}
Lacticaseibacillus casei {L. casei}
Lacticaseibacillus paracasei {L.paracasei}
lactobacillus acidophilus {L. acidophilus}
Lactobacillus plantarum {L. plantarum}
Limosilactobacillus reuteri {L. Reuteri}
oligosaccharides {oligosaccharides}
origanum vulgare {oregano}
pectin {pectin}
Probiotic Mixture 1 {Japanese Vet Probiotic}
Probiotic Mixture 2 {Vetafarm Probotic}
ß-glucan {Beta-Glucan}
synthetic disaccharide derivative of lactose {Lactulose}
Thymus vulgaris {thyme}
yogurt

Sample of Literature Used

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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