

Microbiome Information for: Vitiligo

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 Vitiligo

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
Lachnospiraceae	family	High	186803	Ruminococcus	genus	High	1263
Adlercreutzia	genus	High	447020	Streptococcus	genus	High	1301
Akkermansia	genus	Low	239934	Bacteroidales	order	Low	171549
Bacteroides	genus	High	816	Burkholderiales	order	High	80840
Catenibacterium	genus	High	135858	Bacteroides bouchedurhonensis	QSV445	Low	1841855
Clostridium	genus	Low	1485	Amedibacillus dolichus	species	High	31971
Corynebacterium	genus	High	1716	Bacteroides fragilis	species	High	817
Jeotgalibaca	genus	High	1470540	Barnesiella intestinihominis	species	High	487174
Lachnospira	genus	High	28050	Coprobacter secundus	species	Low	1501392
Marvinbryantia	genus	Low	248744	Coproccoccus comes	species	Low	410072
Megamonas	genus	High	158846	Eggerthellaceae bacterium	species	Low	1972561
Mycoplasma	genus	High	2093	Lachnospiraceae bacterium	species	High	1898203
Paraprevotella	genus	Low	577309	Mycobacterium avium	species	High	1764
Psychrobacter	genus	High	497	Sellimonas intestinalis	species	Low	1653434

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	high-fat diets	
(2->1)-beta-D-fructofuranan {Inulin}	32 gram/day	Hordeum vulgare {Barley}	60 gram/day
Abstention from eating {Fasting}		Malus domestica {apple}	
a-Gluco-oligosaccharides {GOS}		Moringa Oleifera	
alpha-tocopherol {Vitamin E}	60 IU/day	oligosaccharides {oligosaccharides}	
Amylum {Starch}		Outer Layers of Triticum aestivum {Wheat Bran}	
arabinogalactan {arabinogalactan}	21 gram/day	pediococcus acidilactic {RBB9 PEDIOCOCCUS ACIDILACTI}	
bacillus		Pentadigalloylglucose {Tannic Acid}	
bacillus licheniformis {b. licheniformis}	10 BCFU/day	proton-pump inhibitors (prescription)	60 mg/day
bacillus,lactobacillus,streptococcus,saccharomyces probiotic		Prunus dulcis {Almonds}	90 gram/day
Bifidobacterium animalis {B. animalis}		quebracho	
blueberry		raffinose {sugar beet}	
Brassica oleracea var. italica {Broccoli}		resistant starch	
Dextrin	40 gram/day	Saccharomyces cerevisiae var boulardii {S. boulardii}	6 BCFU/day
Ethyl alcohol {Grain alcohol}		Sleep apnea {partial sleep deprivation}	
fucoidan {Brown Algae Extract}	8.8 gram/day	sodium butyrate	
Ganoderma sichuanense {Reishi Mushroom}	3.4 gram/day	Solanum tuberosum {Potatoes}	
henopodium quinoa {Quinoa}		β-glucan {Beta-Glucan}	500 mg/day
High glycemic diet {High-sugar diet (HSD)}		Sus domesticus {Pork}	
High-amylose maize starch {HAMS}		Vsl#3 {Visibiome}	
		wheat	

Retail Probiotics

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

imaglin / NutriLots Replenish
 Imaglin / NutriLots
 Physician Choice / 60 Billion Probiotics
 Ombre / Heart Health
 spain (es) / ultralevura
 organic 3 / yeastbiotic
 naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu
 microbiome labs/ megasporebiotic
 Energybalance / ColoBiotica 28 Colon Support
 SuperSmart / Saccharomyces Boulardii
 Schwabe Pharma Italia / AxiBoulardi
 nature's way (au) / restore probiotic 30 billion 30s
 spain (es) / axiboulardi
 blackmore (au) / probiotics+ daily health
 Eden's / 3-in-1 Synbiotic Superblend
 Bulk Probiotics / Saccharomyces boulardii Probiotic Powder (Digestive Support)
 nature's instincts / ultra spore probiotic
 optibac / saccharomyces boulardii
 probiotic pur (de) / realdose nutrition
 theramedix / probiotic
 blackmores (au) / probiotics + adults daily (90 capsules)
 nature's way (au) / restore probiotic daily health 90s
 microbiome labs / restorflora
 Ombre / Ultimate Immunity
 Purica Probiotic Intensive GI
 Floradapt Gut Comfort
 Realdose
 Nature's Lab Intensive GI
 florastor / florastor
 nature's way (au) / restore probiotic bowel & colon health 30s
 spain (es) / I3.1
 Bioflora (MX) / BIOFLORAMX / 50 BILLION 10 Strains
 naturopathica (au) / gastrohealth fibrepro

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.

chitosan oligomers {chitooligosaccharides}	grape seed extract
(2E,4E,6E,8E)-3,7-dimethyl-9-(2,6,6-trimethylcyclohex-1-en-1-yl)nona-2,4,6,8-tetraen-1-ol {Vitamin A}	grapes
(2S)-2-amino-4-carbamoylbutanoic acid {Glutamine}	High-fibre diet {Whole food diet}
2-(3,4-Dihydroxyphenyl)-5,7-dihydroxy-4H-chromen-4-one {Luteolin}	hypocaloric hyperproteic diet
3,3',4',5,7-pentahydroxyflavone {Quercetin}	imipenem
Amorphophallus konjac {Konjaku flour}	Lactacisibacillus rhamnosus {L. rhamnosus}
amoxicillin [CFS]	Latilactobacillus sakei {Lactobacillus sakei}
ampicillin [CFS]	meropenem
Avena sativa {Oats}	metformin (prescription)
Azadirachta indica {Neem}	metronidazole [CFS]
benzylpenicillin sodium (antibiotic)	minocycline [CFS]
Bifidobacterium animalis subsp. lactis {B. Lactis}	Phyllanthus emblica {Chinese gall}
Bifidobacterium longum subsp. longum BB536 {BB536}	piperacillin-tazobactam
Carica papaya {papaya}	Pleurotus ostreatus {Oyster mushroom}
chloramphenicol	Polyethylene glycol {PEG}
ciprofloxacin [CFS]	polyphenols
clindamycin [CFS]	Propolis {Bee glue}
dofazimine (antibiotic)	Punica granatum {pomegranate}
cranberry bean flour	red wine
Dendrobium officinale Kimura {Tiepishihu}	red wine polyphenols
doxycycline [CFS]	resveratrol-pterostilbene {grapes, blueberries}
Echinacea Moench {Echinacea}	resveratrol-pterostilbene x Quercetin {quercetin x resveratrol}
enterococcus faecium {E. faecium}	β -(1 $\rightarrow$ 4)-linked D-glucosamine and N-acetyl-D-glucosamine {Chitosan}
Epicatchin {Green tea polyphenol}	Sucralose {Splenda}
Fiber, total dietary	syzygium aromaticum {clove}
fruit	terpenophenolics {cannabinoids}
fruit/legume fibre	Vaccinium {Cranberry}
gentamicin	Vaccinium vitis-idaea {lingonberries}
Grape Polyphenols {Grape Flavonoids}	vancomycin (antibiotic)[CFS]
	Zingiber officinale Roscoe {ginger}

Sample of Literature Used

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Additional APriori Analysis Available

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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