

Microbiome Information for: Alopecia (Hair Loss)

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 believed 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 is 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 Alopecia (Hair Loss)

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
Acidaminococcaceae family	Low	909930	
Eggerthellaceae	family	High	1643826
Erysipelotrichaceae	family	High	128827
Lachnospiraceae	family	High	186803
Ruminococcaceae	family	High	541000
Anaerofilum	genus	Low	52784
Anaerostipes	genus	High	207244
Blautia	genus	High	572511
Butyrimonas	genus	Low	574697
Collinsella	genus	High	102106
Dorea	genus	High	189330
Enterorhabdus	genus	Low	580024
Eubacterium	genus	High	1730
Megasphaera	genus	High	906
Olsenella	genus	High	133925
Phascolarctobacterium	genus	Low	33024
Phyllobacterium	genus	High	28100
Pseudomonas	genus	High	286
Ruminiclostridium	genus	Low	1508657
Sphingomonas	genus	High	13687
Bacteroides eggerthii	species	High	28111
Eubacterium xylanophilum	species	Low	39497
Helicobacter pylori	species	High	210
Holdemania filiformis	species	High	61171
Ligilactobacillus murinus	species	High	1622
Parabacteroides distasonis	species	High	823
Parabacteroides johnsonii	species	High	387661
Ruminococcus bicirculans (ex Wegman et al. 2014)	species	Low	1160721
Leishmania	subgenus	High	38568

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.

(2->1)-beta-D-fructofuranan {Inulin} 32 gram/day

Hordeum vulgare {Barley} 60 gram/day

long-term, moderate-intensity exercise {exercise}

oligosaccharides {oligosaccharides}

wheat

Retail Probiotics

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

Swiss BioEnergetics / Full Spectrum Probiotic Defence
theramedix / probiotic
blackmores (au) / probiotics + adults daily (90 capsules)
nature's way (au) / restore probiotic daily health 90s
jarrow formulas / bifidus balance® + fos
Global Healing Center / FloraTrex
nature's way (au) / restore probiotic bowel & colon health 30s
naturopathica (au) / gastrohealth fibrepro
blackmore (au) / probiotics+ eczema relief
Thryve Inside/ L.Reu,Rham,Casi; B.Lactis
naturopathica (au) / gastrohealth probiotic dairy free 50 billion
Physician Choice /60 Billion Probiotics
naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu
blackmores (au) / probiotics+ immune defence
nature's way (au) / restore probiotic 30 billion 30s
blackmore (au) / probiotics+ daily health

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.

(2S)-2-amino-4-carbamoylbutanoic acid {Glutamine}	Garcinia mangostana {Mangosteen}
Abelmoschus {Okra}	glycyrrhizic acid {licorice}
Azadirachta indica {Neem}	henopodium quinoa {Quinoa}
Below normal temperature {Cold exposure}	Metha family {Mint}
bismuth subsalicylate {Pepto-Bismol}	Monascus purpureus x Oryza sativa {Red yeast rice}
Brassica oleracea {cabbage}	N-(aminoiminomethyl)-N methyl glycine {Creatine}
Cannabis sativa {Marijuana}	omeprazole,(prescription)
Carrageenan {Carrageenan}	Plantago {Psyllium}
chlorhexidine	resveratrol-pterostilbene x Quercetin {quercetin x resveratrol}
cobalamin {Vitamin B-12}	Secale cereale {Rye}
cranberry bean flour	Sodium 2-stearoyllactate {sodium stearoyl lactylate}
Crataegus {Hawthorn}	Sodium hypochlorite {Chlorinated Drinking Water}
Cucurbita pepo {Pumpkin}	β-sitosterol {beta-sitosterol}
Echinacea Moench {Echinacea}	Sucralose {Splenda}
Ethyl alcohol {Grain alcohol}	syzygium aromaticum {clove}
Far Infrared Therapy {Far infrared Sauna }	terpenophenolics {cannabinoids}
Flavan-3-ols {Epicatechin}	Tributyrin
foeniculum vulgare,fennel	Trigonella foenum-graecum {Fenugreek}
	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