

Microbiome Information for: Eczema

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/>)

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

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Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Eczema

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
Bacteroidia	class	High	200643
Bacteroidaceae	family	High	815
Bifidobacteriaceae	family	Low	31953
Clostridiaceae	family	High	31979
Enterobacteriaceae	family	High	543
Lactobacillaceae	family	Low	33958
Veillonellaceae	family	Low	31977
Acinetobacter	genus	High	469
Alcaligenes	genus	High	507
Aspergillus	genus	High	5052
Bifidobacterium	genus	Low	1678
Enterococcus	genus	High	1350
Escherichia	genus	High	561
Eubacterium	genus	Low	1730
Faecalibacterium	genus	High	216851
Finnegoldia	genus	High	150022
Fusobacterium	genus	High	848
Haemophilus	genus	Low	724
Janibacter	genus	High	53457

Bacteria Name	Rank	Shift	Taxonomy ID
Leptotrichia	genus	High	32067
Malassezia	genus	High	55193
Megasphaera	genus	Low	906
Mycobacterium	genus	High	1763
Romboutsia	genus	High	1501226
Shigella	genus	High	620
Staphylococcus	genus	High	1279
Sutterella	genus	High	40544
Veillonella	genus	High	29465
Bacteroidales	order	High	171549
Bacteroides fragilis	species	Low	817
Bifidobacterium adolescentis	species	Low	1680
Bifidobacterium pseudocatenulatum	species	High	28026
Corynebacterium tuberculostearicum	species	High	38304
Faecalibacterium prausnitzii	species	High	853
Mediterraneibacter ghavus	species	High	33038
Staphylococcus aureus	species	High	1280
Staphylococcus hyicus	species	High	1284
Streptococcus pyogenes	species	High	1314
Streptococcus salivarius	species	Low	1304

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.

Ferrum {Iron Supplements} 400 mg/day

High-protein diet {Atkins low-carbohydrate diet}
ketogenic diet

Mycotoxins {Home Dampness}

Nicotine, Nicotine Patch

Titanium Dioxide {E171}

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}	fruit
2-Methyl-5-(1-methylethyl)phenol {Carvacrol}	gentamicin
3,3',4',5,7-pentahydroxyflavone {Quercetin}	green tea
allium sativum {garlic}	Honey {Honey }
Azadirachta indica {Neem}	Lactobacillus plantarum {L. plantarum}
Cinnamomum zeylanicum {Ceylon Cinnamon}	Moringa Oleifera
ciprofloxacin [CFS]	origanum vulgare {oregano}
Curcuma longa {Turmeric}	Propolis {Bee glue}
D-(-)-Fructose {Fruit sugar}	Punica granatum {pomegranate}
dietary fiber	rosmarinus officinalis {rosemary}
Diferuloylmethane {Curcumin}	Slow digestible carbohydrates. {Low Glycemic}
Fiber, total dietary	Thymus vulgaris {thyme}
foeniculum vulgare,fennel	vancomycin (antibiotic)[CFS]
	Zingiber officinale Roscoe {ginger}

Sample of Literature Used

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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