

Microbiome Information for: Systemic Lupus Erythematosus

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

[Our Facebook Discussion Page](#)

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Systemic Lupus Erythematosus

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
Actinomycetes	class	Low	1760	Mycoplasma	genus	High	2093
Bacilli	class	High	91061	Neisseria	genus	High	482
Bacteroidia	class	Low	200643	Oribacterium	genus	High	265975
Clostridia	class	Low	186801	Parabacteroides	genus	High	375288
Gammaproteobacteria	class	High	1236	Paraprevotella	genus	Low	577309
Bacteroidaceae	family	High	815	Prevotella	genus	High	838
Catabacteriaceae	family	Low	424536	Propionibacterium	genus	High	1743
Clostridiaceae	family	High	31979	Pseudobutyrvibrio	genus	Low	46205
Enterobacteriaceae	family	High	543	Pseudoflavonifractor	genus	High	1017280
Enterococcaceae	family	High	81852	Pseudomonas	genus	Low	286
Lachnospiraceae	family	Low	186803	Rhodococcus	genus	High	1827
Lactobacillaceae	family	Low	33958	Rhodococcus	genus	High	1661425
Porphyromonadaceae	family	High	171551	Roseburia	genus	Low	841
Rikenellaceae	family	Low	171550	Rothia	genus	High	508215
Ruminococcaceae	family	Low	541000	Ruminococcus	genus	Low	1263
Bacteroides	genus	High	816	Shigella	genus	High	620
Bifidobacterium	genus	Low	1678	Streptococcus	genus	High	1301
Bilophila	genus	High	35832	Succinivibrio	genus	High	83770
Campylobacter	genus	High	194	Veillonella	genus	High	29465
Clostridium	genus	High	1485	Enterobacterales	order	High	91347
Coprobacter	genus	Low	1348911	Eubacteriales	order	Low	186802
Coprococcus	genus	High	33042	Lactobacillales	order	High	186826
Cryptococcus	genus	High	5206	Actinomyces massiliensis	species	High	461393
Desulfovibrio	genus	Low	872	Bacteroides fragilis	species	High	817
Dialister	genus	Low	39948	Brevibacterium casei	species	High	33889
Eggerthella	genus	High	84111	Burkholderia pseudomallei	species	High	28450
Eisenbergiella	genus	Low	1432051	Candida albicans	species	High	5476
Enterococcus	genus	High	1350	Clostridium sp.	species	High	1506
Escherichia	genus	High	561	Corynebacterium sp.	species	High	1720
Eubacterium	genus	High	1730	Intestinimonas butyriciproducens	species	High	1297617
Ezakiella	genus	Low	1582879	Klebsiella oxytoca	species	High	571
Faecalibacterium	genus	Low	216851	Lacrimispora saccharolytica	species	Low	84030
Flavonifractor	genus	High	946234	Lacrimispora xylanisolvans	species	Low	384636
Fusobacterium	genus	High	848	Lactobacillus johnsonii	species	Low	33959
Gemmiger	genus	Low	204475	Lancefieldella rimae	species	High	1383
Klebsiella	genus	High	570	Mediterraneibacter gnavus	species	High	33038
Lachnospira	genus	Low	28050	Ruminiclostridium cellulolyticum	species	Low	1521
Lactobacillus	genus	Low	1578	Shuttleworthella satelles	species	High	177972
Megasphaera	genus	High	906	Staphylococcus aureus	species	High	1280
Mycobacterium	genus	High	1763	Staphylococcus epidermidis	species	High	1282
				Ureaplasma urealyticum	species	High	2130

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.

Ethyl alcohol {Grain alcohol}

Ferrum {Iron Supplements} 400 mg/day

high red meat

high-fat diets

High-protein diet {Atkins low-carbohydrate diet}

ketogenic diet

macrolide ()

N-(phosphonomethyl)glycine {glyphosate}

Nitrogen Oxide x Particulate Matter {Urban air pollutant}

proton-pump inhibitors (prescription) 60 mg/day

Pulvis ledebouriellae compositae {Bofutsushosan}

Sucralose {Splenda} 340 mg/day

Tobacco consumption {Smoking}

Tributyrin

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}	Honey {Honey }
3,3',4',5,7-pentahydroxyflavone {Quercetin}	Hordeum vulgare {Barley}
allium sativum {garlic}	imipenem
Azadirachta indica {Neem}	Lactocaseibacillus casei {L. casei}
bacillus	lactobacillus acidophilus {L. acidophilus}
bacillus,lactobacillus,streptococcus,saccharomyces probiotic	Lactobacillus plantarum {L. plantarum}
bifidobacterium	Limosilactobacillus fermentum {L. fermentum}
bifidobacterium longum {B.Longum }	Limosilactobacillus reuteri {L. Reuteri}
Bovine Milk Products {Dairy}	Moringa Oleifera
Cinnamomum zeylanicum {Ceylon Cinnamon}	oligosaccharides {oligosaccharides}
ciprofloxacin [CFS]	origanum vulgare {oregano}
dietary fiber	polyphenols
Diferuloylmethane {Curcumin}	Propolis {Bee glue}
Fiber, total dietary	Punica granatum {pomegranate}
fruit	rosmarinus officinalis {rosemary}
fruit/legume fibre	Slow digestible carbohydrates. {Low Glycemic}
gentamicin	Thymus vulgaris {thyme}
green tea	whole-grain diet
High-fibre diet {Whole food diet}	yogurt
	Zingiber officinale Roscoe {ginger}

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
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