

Microbiome Information for: Gout

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 *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

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Gout

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
Anaerolineae	class High	292625	Nocardiaceae	family High	85025
Bacteroidia	class High	200643	Porphyromonadaceae	family High	171551
Chloroflexia	class High	32061	Ruminococcaceae	family Low	541000
Erysipelotrichia	class High	526524	Coprococcus	genus Low	33042
Negativicutes	class High	909932	Erysipelatoclostridium	genus High	1505663
Anaerolineaceae	family High	292628	Rhodococcus	genus High	1827
Bacteroidaceae	family High	815	Anaerolineales	order High	292629
Erysipelotrichaceae	family High	128827	Bacteroidales	order High	171549
Lachnospiraceae	family Low	186803	Erysipelotrichales	order High	526525
			Selenomonadales	order High	909929

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.

acetylsalicylic acid, aspirin	gynostemma pentaphyllum (Jiaogulan)
Astragalus polysaccharide	high sugar diet
berberine 1.5 gram/day	ibuprofen
bisphenol a (bpa)	iron 400 mg/day
Bofutsushosan	isobutyric acid
brown algae	isovaleric acid(fatty acid)
candida albicans (prescription)	Lentilactobacillus buchneri
carboxymethyl cellulose (prebiotic)	macrolide ((antibiotic)s)
dairy	mediterranean diet
ethinylestradiol,(prescription)	non-starch polysaccharides
galacto-oligosaccharides (prebiotic) 10 gram/day	partial sleep deprivation
ginkgo 240 mg/day	proton-pump inhibitors (prescription) 60 mg/day
gluten-free diet	smoking
glycerol monolaurate (Monolaurin)	triphala 9000 mg/day
glycyrrhizic acid (licorice) 32 gram/day	vegetable/fruit juice-based diets
	Vitamin B1,thiamine hydrochloride 1.8 gram/day

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.

arabinogalactan (prebiotic)	lactobacillus reuteri (probiotics)
bacillus subtilis (probiotics)	lactobacillus rhamnosus gg (probiotics)
barley	lauric acid(fatty acid in coconut oil,in palm kernel oil,)
bifidobacterium longum (probiotics)	low protein diet
bifidobacterium pseudocatenulatum,(probiotics)	polysorbate 80
Burdock Root	saccharomyces boulardii (probiotics)
Cacao	salt (sodium chloride)
fruit/legume fibre	soy
garlic (allium sativum)	β -glucan
glycine	tea
high fiber diet	vancomycin (antibiotic)[CFS]
high salt	walnuts
inulin (prebiotic)	wheat
lactobacillus plantarum (probiotics)	whole-grain barley

Sample of Literature Used

The following are the most significant of the studies used to generate these suggestions.

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 Atherosclerosis
 Autism
 Autoimmune Disease
 Barrett esophagus cancer
 Bipolar Disorder
 Brain Trauma
 Carcinoma
 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
 Colorectal Cancer
 Constipation
 Coronary artery disease
 COVID-19
 Crohn's Disease
 cystic fibrosis
 deep vein thrombosis
 Depression
 Dermatomyositis
 Eczema
 Endometriosis
 Eosinophilic Esophagitis

Epilepsy
Fibromyalgia
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus
Generalized anxiety disorder
Gout
Graves' disease
Hashimoto's thyroiditis
Hidradenitis Suppurativa
Histamine Issues From Ubiome
Histamine Issues,Mast Cell Issue, DAO Insufficiency
hypercholesterolemia (High Cholesterol)
hyperglycemia
Hyperlipidemia (High Blood Fats)
hypersomnia
hypertension (High Blood Pressure)
Hypoxia
IgA nephropathy (IgAN)
Inflammatory Bowel Disease
Insomnia
Intelligence
Irritable Bowel Syndrome
Juvenile idiopathic arthritis
Liver Cirrhosis
Long COVID
Lung Cancer
ME/CFS with IBS
ME/CFS without IBS
Menopause
Metabolic Syndrome
Mood Disorders
Multiple Sclerosis
Multiple system atrophy (MSA)
Neuropathy (all types)
neuropsychiatric disorders (PANDAS, PANS)
Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic
NonCeliac Gluten Sensitivity
Obesity
obsessive-compulsive disorder
Osteoarthritis
Osteoporosis
Parkinson's Disease
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder
Psoriasis
rheumatoid arthritis (RA),Spondyloarthritis (SpA)
Rosacea
Schizophrenia
Sjögren syndrome
Sleep Apnea
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