

Microbiome Information for: Eosinophilic Esophagitis

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

[Our Facebook Discussion Page](#)

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Eosinophilic Esophagitis

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	<i>class</i>	High	200643
Clostridia	<i>class</i>	Low	186801
Actinomyces	<i>genus</i>	Low	1654
Aggregatibacter	<i>genus</i>	High	416916
Corynebacterium	<i>genus</i>	High	1716
Filifactor	<i>genus</i>	Low	44259
Fusobacterium	<i>genus</i>	High	848
Haemophilus	<i>genus</i>	High	724

Bacteria Name	Rank	Shift	Taxonomy ID
Neisseria	<i>genus</i>	High	482
Parvimonas	<i>genus</i>	Low	543311
Pasteurella	<i>genus</i>	High	745
Porphyromonas	<i>genus</i>	Low	836
Rothia	<i>genus</i>	Low	32207
Rothia	<i>genus</i>	Low	508215
Veillonella	<i>genus</i>	Low	29465
Eubacteriales	<i>order</i>	Low	186802

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.

alcoholic beverages

bacillus subtilis natto (probiotics)

berberine 1.5 gram/day

bifidobacterium longum bb536 (probiotics)

Cacao 20 gram/day

chitosan,(sugar) 3 gram/day

cranberry bean flour

daesih-tang

DOXYCYCLINE (ANTIBIOTIC)S[CFS]

Far infrared Sauna

fructo-oligosaccharides (prebiotic) 15 gram/day

GABA 6 gram/day

ganoderma lucidum mycelium

ginger

gluten-free diet

glycyrrhizic acid (licorice) 32 gram/day

high-fat sucrose

Human milk oligosaccharides (prebiotic, Holigos, Stachyose) 2

gram/day

lactobacillus rhamnosus (probiotics) 48 BCFU/day

lactobacillus sakei (probiotics)

L-glutamine 5 gram/day

Rapamycin

resveratrol (grape seed/polyphenols/red wine) 2 gram/day

smoking

sucralose 340 mg/day

sugar

Vitamin B9,folic acid 5 mg/day

vitamin d 50000 IU/day

whole-grain barley 60 gram/day

zinc 300 mg/day

Retail Probiotics

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

jarro formula / jarro-dophilus original
 jarro formulas / jarro-dophilus eps
 optibac / for every day
 ISCON Elegance/ Ochek Capsule 10
 just for tummies / live bacteria
 1 md / complete probiotics platinum
 Nutrition Essentials / Probiotic (900 BCFU)
 up4 /women's
 Ombre / Harmony
 young living/life 9
 optibac / bifidobacteria & fibre
 SuperSmart / Derma Relief
 jarro formulas / jarro-dophilus mood
 MegaFood / MegaFlora
 spain (es) / ns florabiotic instant
 OMNI-BIOTIC®/ TRAVEL
 Wakunaga / Pro+ Synbiotic
 naturopathica (au)/ gastrohealth probiotic daily care
 Physis / Advance Probiotics
 NASOBIOTEX / L. SAKEI POWDER
 Bromatech (IT) / Ramnoselle
 Dr. Mercola / Complete Probiotics
 vinco / probiotic eight 65
 Biorela® Daily
 NOW FOODS / Clinical GI Probiotic
 lifted naturals / mood boosting probiotic
 cytoplant(uk) / dentavital bifidophilus
 SuperSmart / Bifidobacterium longum (BB536)
 HLH BIOPHARMA(DE) / LACTOBACT ® 60PLUS
 Northwest Natural Products / PBS
 Lanto Health / Lanto Sinus Probiotic Powder
 Microbiome Labs / ZENBIOME Dual
 Symprove™
 custom probiotics / six strain probiotic powder
 CVSHealth / Daily Probiotic
 Bromatech (IT) / Serobiome
 Nu U (uk) /Bio-Cultures Complex
 biospec / probiotic-5
 spain (es) / ns defenbiotic kids
 Sash Vitality /Bio-Cultures Probiotics for Adults
 CustomProbiotics.com / L. Rhamnosus Probiotic Powder
 SuperSmart / Vaginal Health
 Ombre / Endless Energy
 spain (es) / muvagyn probiotico
 Pregnancy Care Probiotic
 ASEA VIA / BIOME
 PharmExtracta (IT) / FG5 Forte In Sachets
 bio-k+
 HLH BIOPHARMA(DE) / LACTOBACT ® METABOLIC
 Bromatech(IT) / FEMELLE
 SuperSmart / Candalb
 custom probiotics / four strain lactobacilli
 udo's choice /super 8 gold
 zint nutrition / probiotic collagen +

Krauterhaus / Lactopro
LiveWell Nutrition / Pro-45
ProGoes® Forte
Bioflora (Mx) / BIOFLORA / 30 BILLION 10 strains
naturopathica (au) / gastrohealth probiotic adults 50+
Metabolics / Lactobacillus Rhamnosus Powder
Ombre / Mood Enhancer
PrecisionBiotics / Zenflore
optibac / for those on antibiotics
Bromatech (IT) / Lautoselle
Resbiotic / resB® Lung Support
Wakunaga / Kyo-Dophilus® Multi 9 Probiotic
custom probiotics / d-lactate free probiotics powder

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.

ampicillin (antibiotic)s[CFS]	lactobacillus paracasei (probiotics)
azithromycin,(antibiotic)s[CFS]	lactobacillus reuteri (probiotics)
bacillus subtilis (probiotics)	Linacotide
benzylpenicillin sodium (antibiotic)	meropenem (antibiotic)s
Burdock Root	minocycline (antibiotic)s[CFS]
chestnut tannins	Nicotine, Nicotine Patch
cholic acid (bile acid)	Olive Oil
ciprofloxacin (antibiotic)s[CFS]	partial sleep deprivation
clostridium butyricum (probiotics),Miya,Miyarisan	quebracho
dairy	quercetin
d-ribose	saccharin
econazole nitrate,(prescription)	Shen Ling Bai Zhu San
fasting	tobramycin (antibiotic)s
gentamicin (antibiotic)s	vancomycin (antibiotic)[CFS]
high salt	vitamin a
inulin (prebiotic)	Vitamin E
iron	walnuts
	whole grain diet

Sample of Literature Used

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Age-Related Macular Degeneration and Glaucoma

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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

Bipolar Disorder

Brain Trauma

Breast Cancer

Cancer (General)

Carcinoma

cdk15 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

Colorectal Cancer

Constipation

Coronary artery disease

COVID-19

Crohn's Disease

cystic fibrosis

deep vein thrombosis

Depression

Dermatomyositis

Eczema

Endometriosis

Eosinophilic Esophagitis

Epilepsy

erectile dysfunction
Fibromyalgia
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
Halitosis
Hashimoto's thyroiditis
Heart Failure
Hemorrhoidal disease, Hemorrhoids, Piles
Hidradenitis Suppurativa
Histamine Issues
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
Juvenile idiopathic arthritis
Liver Cirrhosis
Long COVID
Low bone mineral density
Lung Cancer
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
Polycystic ovary syndrome
Postural orthostatic tachycardia syndrome

Premenstrual dysphoric disorder
primary biliary cholangitis
Psoriasis
rheumatoid arthritis (RA),Spondyloarthritis (SpA)
Rosacea
Schizophrenia
scoliosis
sensorineural hearing loss
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