

Microbiome Information for: Barrett esophagus cancer

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 Barrett esophagus cancer

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
Actinomycetaceae	family	Low	2049	Fusobacterium	genus	High	848
Campylobacteraceae	family	Low	72294	Granulicatella	genus	Low	117563
Camobacteriaceae	family	Low	186828	Megasphaera	genus	Low	906
Coriobacteriaceae	family	High	84107	Solobacterium	genus	Low	123375
Erysipelotrichaceae	family	Low	128827	Streptococcus	genus	Low	1301
Veillonellaceae	family	Low	31977	Veillonella	genus	High	29465
Actinomyces	genus	Low	1654	Helicobacter pylori	species	High	210
Campylobacter	genus	Low	194	Limosilactobacillus fermentum	species	High	1613

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.

2,3-dihydroxypropyl dodecanoate {Monolaurin}	
2-Amino-4-(methylthio)butanoic acid {Methionine}	5 gram/day
2-Amino-5-(carbamoylamino)pentanoic acid {Citrulline}	
3,3',4',5,7-pentahydroxyflavone {Quercetin}	2 gram/day
allium sativum {garlic}	4 gram/day
Azadirachta indica {Neem}	120 mg/day
bacillus subtilis natto {B.natto}	
Bifidobacterium longum subsp. longum BB536 {BB536}	
Brassica oleracea {cabbage}	
carvedilol,(prescription)	
Cinnamomum zeylanicum {Ceylon Cinnamon}	6 gram/day
Cymbopogon citratus {Lemongrass}	
d-galactose {milk sugar}	
eicosapentaenoic acid (EPA),docosahexaenoic acid (DHA) {Fish Oil}	4 gram/day
ERYTHROMYCIN [CFS]	
Fagopyrum esculentum {Buckwheat}	
gentamicin	
Hericium erinaceus {Lion's Mane Mushroom}	
Honey {Honey}	80 gram/day
Human milk oligosaccharides (prebiotic, Holigos, Stachyose)	2 gram/day
ketogenic diet	
L-3-hydroxytrimethylaminobutanoate {carnitine}	
lactobacillus helveticus,lactobacillus rhamnosus	
levodopa,(prescription)	
long-term, moderate-intensity exercise {exercise}	
Menta × piperita {peppermint}	
Moringa Oleifera	
Musa acuminata {Banana}	
oligosaccharides {oligosaccharides}	
organum vulgare {oregano}	
Pentahydroxypentane {Xylitol}	
Phyllanthus emblica {Chinese gall}	
piperacillin-tazobactam	
red wine polyphenols	600 mg/day
resveratrol-pterostilbene {grapes, blueberries}	2 gram/day
Rhus coriaria {Sumac}	
soy	25 gram/day
Sulforaphane {Dark Greens}	
Thymus vulgaris {thyme}	
VANCOMYCIN (ANTIBIOTIC)[CFS]	
Zingiber officinale Roscoe {ginger}	
β-lactoglobulin {Whey}	60 gram/day

Retail Probiotics

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

powerlabs (au) / ultra blend
PharmExtracta (IT) / FG5 Forte In Sachets
jarow formula / jarro-dophilus original
jarow formulas / bifidus balance® + fos
Bioflora (MX) / BIOFLORAMX / 50 BILLION 10 Strains
jarow formulas / jarro-dophilus eps
jarow formulas / jarro-dophilus® ultra
SuperSmart / Bifidobacterium longum (BB536)

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.

amoxicillin [CFS]

bifidobacterium longum {B.Longum }

bismuth subsalicylate {Pepto-Bismol}

clarithromycin [CFS]

Limosilactobacillus reuteri {L. Reuteri}

Malus domestica {apple}

metronidazole [CFS]

proton-pump inhibitors (prescription)

tetracycline

whole-grain diet

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