

Microbiome Information for: Barrett esophagus cancer

For non-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 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	Campylobacter	genus	Low	194
Campylobacteraceae	family	Low	72294	Fusobacterium	genus	High	848
Carnobacteriaceae	family	Low	186828	Granulicatella	genus	Low	117563
Coriobacteriaceae	family	High	84107	Megasphaera	genus	Low	906
Erysipelotrichaceae	family	Low	128827	Solobacterium	genus	Low	123375
Veillonellaceae	family	Low	31977	Streptococcus	genus	Low	1301
Actinomyces	genus	Low	1654	Veillonella	genus	High	29465
				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.

bifidobacterium animalis lactis (probiotics) 1 BCFU/day

Burdock Root

cruciferous vegetables (broccoli cabbage)

fructo-oligosaccharides (prebiotic) 15 gram/day

galla chinensis (herb)

garlic (allium sativum) 4 gram/day

Human milk oligosaccharides (prebiotic, Holigos, Stachyose) 2 gram/day

lactobacillus acidophilus, cellobiose (probiotics)

lactobacillus casei (probiotics) 48 BCFU/day

lactobacillus paracasei (probiotics) 40 BCFU/day

lactobacillus plantarum (probiotics) 60 BCFU/day

lactobacillus rhamnosus (probiotics) 48 BCFU/day

laminaria digitata, oarweed - seaweed

neem 120 mg/day

pomegranate 1 gram/day

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

soy 25 gram/day

Sumac (Rhus coriaria)

thyme (thymol, thyme oil)

vitamin a 25000 IU/day

vitamin b2, Riboflavin 400 mg/day

vitamin d 50000 UI/day

zinc 300 mg/day

Retail Probiotics

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

fürstenmed / lacto-bifido
 Lake Avenue Nutrition / Probiotics 10 Strain Blend
 HLH BIOPHARMA(DE) / LACTOBACT ® PREMIUM
 renew life / ultimate flora
 up4 / ultra
 bioglan bio (au) / happy probiotic 100
 garden of life / primal defense
 7 AM Ultra Probiotics
 jarow formulas / jarro-dophilus® ultra
 bioglan bio (au) / happy probiotic 50
 solaray / microbiome probiotic colon formula
 lifted naturals / mood boosting probiotic
 Ombre / Healthy Gut
 OMNI-BIOTIC®/ 10 AAD
 nature's bounty / probioti 10
 SuperSmart / Derma Relief
 Bio Schwartz / Advance Strength Probiotics (40 BCFU)
 OMNI-BIOTIC®/ TRAVEL
 Physis / Advance Probiotics
 Dr. Mercola / Complete Probiotics
 vinco / probiotic eight 65
 Physician Choice /60 Billion Probiotics
 HLH BIOPHARMA(DE) / LACTOBACT ® 60PLUS
 naturopathica (au) / gastrohealth probiotic dairy free 50 billion
 jarow formulas / jarro-dophilus eps
 renew life men's probiotic - ultimate
 ferring / vsl#3
 naturopathica (au) / gastrohealth probiotic ultimate daily care 100billion
 udo's choice /super 8 gold
 Krauterhaus / Lactopro
 HLH BIOPHARMA(DE) / LACTOBACT ® METABOLIC
 jarow formula / jarro-dophilus original
 Windlove Probiotics / Ecologic®825
 Wholesome Wellness / Raw Probiotic
 bio-k+
 theramedix / probiotic
 SuperSmart / Candalb
 custom probiotics / four strain lactobacilli
 zint nutrition / probiotic collagen +
 spain (es) / vivomixx
 SuperSmart / Lactoxira
 Ombre / Mood Enhancer
 Resbiotic /resB® Lung Support
 jamieson (can) / probiotic 10 bcfu
 spain (es) / ns defenbiotic kids
 Sash Vitality /Bio-Cultures Probiotics for Adults
 visbiome
 klaire labs / target gb-x
 SuperSmart / Probio Forte
 bravo europe / starter and complex
 optibac / for every day
 bravo europe / freeze-dried bravo
 NOW FOODS / Clinical GI Probiotic
 Invivo / Bio.Me Femme UT

optibac / bifidobacteria & fibre
 young living/life 9
 biospec / probiotic-5
 ISCON Elegance/ Ochek Capsule 10
 just for tummies / live bacteria
 custom probiotics / six strain probiotic powder
 SuperSmart / Vaginal Health
 cytopl(uk) /dentavital bifidophilus
 HLH BIOPHARMA(DE) / LACTOBACT ® LDL-CONTROL
 Bromatech (IT) / Citogenex
 HLH BIOPHARMA(DE) / LACTOBACT ® FORTE
 ImmuneBiotech Medical Sweden AB / GutMagnific®
 naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu
 CVSHealth / Daily Probiotic
 Nu U (uk) /Bio-Cultures Complex
 danactive drink
 Nutrition Essentials / Probiotic (900 BCFU)
 blackmores (au) / probiotics+ immune defence
 CustomProbiotics.com / L. Plantarum Probiotic Powder
 Ombre / Harmony
 Bromatech (IT) / Adomelle
 PharmExtracta (IT) / INatal Sachets
 jarrow formulas / jarro-dophilus mood
 spain (es) / profaes4 edad escolar
 HLH BIOPHARMA(DE) / LACTOBACT ® OMNI FOS
 naturopathica (au)/ gastrohealth probiotic daily care
 spain (es) / ns florabiotic instant
 ecology_allergycare
 activia drink
 Biorela® Daily
 blackmore (au) / probiotics+ daily health
 Eden's / 3-in-1 Synbiotic Superblend
 Bromatech (IT) / Ramnoselle
 spain (es) / profaes4 viajeros
 PoolPharma (IT) / ProbioTKMIO
 Jetson (US) / Mood Probiotics
 Ombre / Heart Health
 klaire labs / ther-biotic factor 4
 optibac / for every day max
 solgar / advanced 40+ acidophilus
 jarrow formula / ideal bowel support® lp299v®
 naturopathica (au) / gastrohealth antacid
 Optibac Probiotics / Bifidobacterium lactis HN019
 Ombre / Endless Energy
 Seeking Health / Probiota HistaminX
 CustomProbiotics.com / L. Rhamnosus Probiotic Powder
 blackmore (au) / probiotics+ eczema relief
 optibac / for those on antibiotics
 Thryve LPCasei Th1, LPCasei Th2,LFerm IBF1, Lacidoph
 spain (es) / I3.1
 custom probiotics / d-lactate free probiotics powder
 up4 / adult
 nature's way (au) /restore probiotic bowel & colon health 30s
 CustomProbiotics.com / L. Paracasei Probiotic Powder
 genestra brands® hm
 Ombre / Ultimate Immunity
 naturopathica (au) / gastrohealth probiotic adults 50+
 Metabolics / Lactobacillus Rhamnosus Powder

Metabolics / Lactobacillus Plantarum Powder
quality health(au)/ fridge free probiotic 25b
optibac / for your cholesterol
jarrow formulas / bifidus balance® + fos
ProbioMax® Daily DF
SuperSmart / Lactobacillus Plantarum Postbiotic (Pasturized)
Bromatech (IT) / Aflugenex
CustomProbiotics.com / L. Casei Probiotic Powder
solgar / advanced multi-billion dophilus
optibac / for daily immunity
blackmores (au) / probiotics + adults daily (90 capsules)
Swiss BioEnergetics / Full Spectrum Probiotic Defence

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.

apple	lactobacillus reuteri (probiotics)
bacillus subtilis, lactobacillus acidophilus (probiotics)	lactulose
berberine	maltitol
Bofutsushosan	N-Acetyl Cysteine (NAC),
carbohydrates	oats
fish oil	Reduce choline (Beef, Chicken Eggs)
gynostemma pentaphyllum (Jiaogulan)	resistant starch
iron	Tributylin
lactobacillus gasseri (probiotics)	Vitamin C (ascorbic acid)

Sample of Literature Used

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Additional APriori Analysis Available

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Acne
ADHD
Allergic Rhinitis (Hay Fever)
Allergies
Alopecia (Hair Loss)
Alzheimer's disease
Amyotrophic lateral sclerosis (ALS) Motor Neuron
Ankylosing spondylitis
Anorexia Nervosa
Antiphospholipid syndrome (APS)
Asthma
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