

Microbiome Information for: Coronary artery disease

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 Coronary artery disease

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
Christensenellaceae	family	Low	990719	Holdemanella	genus	High	1573535
Lachnospiraceae	family	Low	186803	Porphyromonas	genus	High	836
Agathobacter	genus	High	1766253	Prevotella	genus	High	838
Anaerosporobacter	genus	Low	653683	Ruminococcus	genus	High	1263
Catenibacterium	genus	High	135858	Succiniclasicum	genus	High	40840
Coprococcus	genus	Low	33042	Veillonella	genus	Low	29465
Eisenbergiella	genus	Low	1432051	Anaerobutyricum hallii	species	Low	39488
Foumierella	genus	Low	1940255	Ruminococcus gauvreauii	species	Low	438033
Fusicatenibacter	genus	Low	1407607	Ruminococcus gnavus	species	High	33038

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

bacillus pumilus

Baking Soda, Sodium Bicarbonate

berberine 1.5 gram/day

Bofutsushosan

cellulose (prebiotic)

epinephrine

gluten-free diet

high sugar diet

high-fat diets

iron 400 mg/day

lactobacillus plantarum (probiotics) 60 BCFU/day

levan

loperamide hydrochloride,(prescription)

mediterranean diet

navy bean

oligosaccharides (prebiotic)

partial sleep deprivation

Pulses

quercetin, resveratrol

resistant starch

rifaximin (antibiotic) 1600 mg/day

risperidone,(prescription)

saccharomyces cerevisiae (probiotics)

triphala 9000 mg/day

vegetable/fruit juice-based diets

xylan (prebiotic)

Retail Probiotics

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

naturopathica (au) / gastrohealth probiotic ultimate daily care 100billion
 udo's choice / super 8 gold
 zint nutrition / probiotic collagen +
 Smidge / Sensitive Probiotic
 Krauterhaus / Lactopro
 LiveWell Nutrition / Pro-45
 Metabolics / Lactobacillus Plantarum Powder
 spain (es) / vivomixx
 Ombre / Ultimate Immunity
 renew life / ultimate flora
 up4 / ultra
 optibac / for your cholesterol
 ProbioMax® Daily DF
 SuperSmart / Lactobacillus Plantarum Postbiotic (Pasturized)
 bioglan bio (au) / happy probiotic 100
 Realdose
 SuperSmart / Lactoxira
 douglas laboratories / multi probiotic 40 billion
 Ombre / Mood Enhancer
 up4 / adult
 visbiome
 garden of life / primal defense
 spain (es) / I3.1
 Bromatech (IT) / Lautoselle
 renew life men's probiotic - ultimate
 ferring / vsl#3
 Resbiotic / resB® Lung Support
 jarro formulas / jarro-dophilus eps
 7 AM Ultra Probiotics
 quantum wellness / restora flora
 Seeking Health / Probiota HistaminX
 jarro formula / ideal bowel support® lp299v®
 HLH BIOPHARMA(DE) / LACTOBACT ® 60PLUS
 SuperSmart / Probio Forte
 organic 3 / gutpro
 Ombre / Heart Health
 spain (es) / ultralevura
 jarro formulas / jarro-dophilus® ultra
 custom probiotics / six strain probiotic powder
 ImmuneBiotech Medical Sweden AB / GutMagnific®
 Bromatech (IT) / Serobiome
 biospec / probiotic-5
 CustomProbiotics.com / L. Plantarum Probiotic Powder
 Ombre / Healthy Gut
 1 md / complete probiotics platinum
 OMNI-BIOTIC®/ 10 AAD
 up4 / women's
 Ombre / Harmony
 young living / life 9
 Bromatech (IT) / Adomelle
 SuperSmart / Derma Relief
 MegaFood / MegaFlora
 Invivo / Bio.Me Femme UT
 naturopathica (au) / gastrohealth probiotics

blackmore (au) / probiotics+ bowel support
NaturalPharma / Profit Probiotics
Bio Schwartz / Advance Strength Probiotics (40 BCFU)
OMNI-BIOTIC®/ TRAVEL
spain (es) / axiboulardi
organic 3 / primal gut
Dr.Max / ProtectMax ATB
naturopathica (au)/ gastrohealth probiotic daily care
Physis / Advance Probiotics
Dr. Mercola / Complete Probiotics
vinco / probiotic eight 65
solaray / microbiome probiotic colon formula
lifted naturals / mood boosting probiotic
bioglan bio (au) / happy probiotic 50
HLH BIOPHARMA(DE) / LACTOBACT ® LDL-CONTROL
fürstenmed / lacto-bifido
probiotic pur (de) / realdose nutrition
Lake Avenue Nutrition / Probiotics 10 Strain Blend
Windlove Probiotics / Ecologic®825
ASEA VIA / BIOME
Wholesome Wellness / Raw Probiotic
HLH BIOPHARMA(DE) / LACTOBACT ® METABOLIC
jarrow formula / jarro-dophilus original
HLH BIOPHARMA(DE) / LACTOBACT ® PREMIUM
SuperSmart / Candalb
custom probiotics / four strain lactobacilli

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.

inulin (prebiotic)

walnuts

lactobacillus reuteri (probiotics)

wheat

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