

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 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 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	Monoglobus	genus	Low	2039302
Enterobacteriaceae	family	High	543	Negativibacillus	genus	High	1980693
Lachnospiraceae	family	High	186803	Odoribacter	genus	Low	283168
Ruminococcaceae	family	High	541000	Peptoniphilus	genus	High	162289
Syntrophomonadaceae	family	High	68298	Porphyromonas	genus	High	836
Agathobacter	genus	High	1766253	Prevotella	genus	Low	838
Anaerosporebacter	genus	Low	653683	Roseburia	genus	Low	841
Bacteroides	genus	Low	816	Ruminococcus	genus	High	1263
Blautia	genus	Low	572511	Shigella	genus	High	620
Catenibacterium	genus	High	135858	Solobacterium	genus	High	123375
Chlamydia	genus	High	810	Staphylococcus	genus	High	1279
Colidextribacter	genus	High	1980681	Streptococcus	genus	High	1301
Collinsella	genus	High	102106	Subdoligranulum	genus	Low	292632
Coprococcus	genus	Low	33042	Succinidlasticum	genus	High	40840
Desulfovibrio	genus	High	872	Sutterella	genus	High	40544
Eisenbergiella	genus	Low	1432051	Tissierella	genus	High	41273
Enterococcus	genus	High	1350	Turicibacter	genus	Low	191303
Escherichia	genus	High	561	Veillonella	genus	Low	29465
Eubacterium	genus	Low	1730	Lactobacillales	order	High	186826
Faecalibacterium	genus	Low	216851	Aerococcus urinae	species	High	1376
Faecalitalea	genus	High	1573534	Agathobacter rectalis	species	Low	39491
Fournierella	genus	Low	1940255	Bacteroides fragilis	species	Low	817
Fructilactobacillus	genus	High	2767881	Chlamydia pneumoniae	species	High	83558
Fusicatenibacter	genus	Low	1407607	Corynebacterium striatum	species	High	43770
Holdemanella	genus	High	1573535	Escherichia coli	species	High	562
Holdemania	genus	Low	61170	Faecalibacterium prausnitzii	species	Low	853
Howardella	genus	Low	404402	Helicobacter pylori	species	High	210
Intestinibacter	genus	Low	1505657	Mediterraneibacter gnavus	species	High	33038
Lachnospirillum	genus	High	1506553	Ralstonia pickettii	species	Low	329
Lactobacillus	genus	Low	1578	Ruminococcus gauvreauii	species	Low	438033

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-Amino-4-(methylthio)butanoic acid {Methionine} 5 gram/day

Adeps suillus {Lard}

cholic,taurocholic ,chenodeoxycholic,glycocholic acids {Bile supplements}

d-galactose {milk sugar}

Escherichia coli cryodesiccata {colinfant probiotics}

Escherichia coli:DSM 16441-16448 {symbioflor-2}

Ferum {Iron Supplements} 400 mg/day

High glycemic diet {High-sugar diet (HSD)}

high-fat diets

High-protein diet {Atkins low-carbohydrate diet}

kanamycin

ketogenic diet

Linum usitatissimum {Flaxseed} 30 mg/day

Nitrogen Oxide x Particulate Matter {Urban air pollutant}

N-L-a-aspartyl-L-phenylalanine methyl ester {aspartame}

paromomycin

penicillin-moxalactam

Perna canaliculus {Green-lipped mussel}

proton-pump inhibitors (prescription) 60 mg/day

raffinose {sugar beet}

Sleep apnea {partial sleep deprivation}

Sodium Fluoride {Toothpaste fluoride}

Sucralose {Splenda} 340 mg/day

Sus domesticus {Pork}

synthetic disaccharide derivative of lactose {Lactulose}

Tobacco consumption {Smoking}

Under cooked animal protein {Rare meat}

Retail Probiotics

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

symbiopharm / symbioflo 2

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.

5,6-dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-a]quinolinium {Berberine}
 (2->1)-beta-D-fructofuranan {Inulin}
 3,3',4',5,7-pentahydroxyflavone {Quercetin}
 allium sativum {garlic}
 amoxicillin [CFS]
 bacillus
 bacillus subtilis {B.Subtilis }
 bacillus,lactobacillus,streptococcus,saccharomyces probiotic
 bifidobacterium bifidum {B. bifidum}
 bifidobacterium longum {B.Longum }
 Cinnamomum zeylanicum {Ceylon Cinnamon}
 ciprofloxacin [CFS]
 Clostridium butyricum MIYAIRI 588 {Miyarisan}
 dietary fiber
 Diferuloylmethane {Curcumin}
 Fiber, total dietary
 fruit
 fruit/legume fibre
 fucoidan {Brown Algae Extract}
 gentamicin

green tea
 imipenem
 Lactocaseibacillus casei {L. casei}
 Lactocaseibacillus paracasei {L.paracasei}
 Lactocaseibacillus rhamnosus {L. rhamnosus}
 lactobacillus acidophilus {L. acidophilus}
 Lactobacillus plantarum {L. plantarum}
 Limosilactobacillus reuteri {L. Reuteri}
 Metha family {Mint}
 organum vulgare {oregano}
 pectin {pectin}
 piperacillin-tazobactam
 polyphenols
 Probiotic Mixture 2 {Vetafarm Probiotic}
 Propolis {Bee glue}
 rosmarinus officinalis {rosemary}
 Slow digestible carbohydrates. {Low Glycemic}
 Thymus vulgaris {thyme}
 yogurt
 Zingiber officinale Roscoe {ginger}

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
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