

## Microbiome Information for: Coronary artery disease

### 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 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**

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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

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## 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
Anaerospobacter	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.

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

Adeps suillus {Lard}

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

d-galactose {milk sugar}

D-glucose {Glucose}

Escherichia coli cryodesiccata {colinfant probiotics}

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

Ethyl alcohol {Grain alcohol}

Ferrum {Iron Supplements} 400 mg/day

Linum usitatissimum {Flaxseed} 30 mg/day

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

Perna canaliculus {Green-lipped mussel}

pyrrolidine-2-carboxylic acid {proline}

raffinose {sugar beet}

Sleep apnea {partial sleep deprivation}

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]quinolizinium {Berberine}	green tea
(2->1)-beta-D-fructofuranan {Inulin}	Lactobacillus casei {L. casei}
3,3',4',5,7-pentahydroxyflavone {Quercetin}	Lactobacillus paracasei {L. paracasei}
allium sativum {garlic}	Lactobacillus rhamnosus {L. rhamnosus}
bacillus	Lactobacillus acidophilus {L. acidophilus}
bacillus subtilis {B. Subtilis }	Lactobacillus plantarum {L. plantarum}
bacillus,lactobacillus,streptococcus,saccharomyces probiotic	Limosilactobacillus reuteri {L. Reuteri}
bifidobacterium bifidum {B. bifidum}	Metha family {Mint}
bifidobacterium longum {B. Longum }	origanum vulgare {oregano}
Cinnamomum zeylanicum {Ceylon Cinnamon}	pectin {pectin}
Clostridium butyricum MIYAIRI 588 {Miyarisan}	polyphenols
Diferuloylmethane {Curcumin}	Probiotic Mixture 2 {Vetafarm Probiotic}
enterococcus faecium {E. faecium}	Propolis {Bee glue}
fruit	rosmarinus officinalis {rosemary}
fruit/legume fibre	Thymus vulgaris {thyme}
fucoidan {Brown Algae Extract}	yogurt
	Zingiber officinale Roscoe {ginger}

## Sample of Literature Used

The following are the most significant of the studies used to generate these suggestions.

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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

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

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