

Microbiome Information for: Heart Failure

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

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 Heart Failure

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
Negativicutes	class	High	909932	Phascolarctobacterium	genus	High	33024
Lachnospiraceae	family	Low	186803	Pseudobutyrvibrio	genus	Low	46205
Peptococcaceae	family	High	186807	Romboutsia	genus	High	1501226
Akkermansia	genus	Low	239934	Roseburia	genus	Low	841
Anaerostipes	genus	Low	207244	Segatella	genus	High	2974251
Aspergillus	genus	High	5052	Shigella	genus	High	620
Bacteroides	genus	High	816	Streptococcus	genus	High	1301
Bifidobacterium	genus	Low	1678	Walleria	genus	High	148959
Blautia	genus	Low	572511	Bacillales	order	Low	1385
Butyrivibrio	genus	High	830	Selenomonadales	order	High	909929
Catenibacterium	genus	High	135858	Acinetobacter baumannii	species	High	470
Clostridium	genus	High	1485	Aerococcus urinae	species	High	1376
Coprococcus	genus	High	33042	Agathobacter rectalis	species	Low	39491
Enterobacter	genus	High	547	Cardiobacterium hominis	species	High	2718
Enterococcus	genus	High	1350	Chlamydia pneumoniae	species	High	83558
Escherichia	genus	High	561	Clostridioides difficile	species	High	1496
Eubacterium	genus	Low	1730	Clostridium sporogenes	species	High	1509
Faecalibacterium	genus	Low	216851	Corynebacterium diphtheriae	species	High	1717
Faecalitalea	genus	High	1573534	Dorea longicatena	species	Low	88431
Flavonifractor	genus	High	946234	Escherichia coli	species	High	562
Holdemania	genus	High	1573535	Eubacterium oxidoreducens	species	High	1732
Intestinimonas	genus	Low	1392389	Faecalibacterium prausnitzii	species	Low	853
Klebsiella	genus	High	570	Fusobacterium nucleatum	species	High	851
Lachnospiraceae	genus	High	1506553	Helicobacter pylori	species	High	210
Lachnospira	genus	Low	28050	Lachnospira eligens	species	High	39485
Mediterranea	genus	High	1926659	Mediterraneibacter gnavus	species	High	33038
Megamonas	genus	High	158846	Mycobacterium kansasii	species	High	1768
Mucispirillum	genus	Low	248038	Mycoplasmoides pneumoniae	species	High	2104
Oscillibacter	genus	Low	459786	Phocaeicola vulgatus	species	Low	821
Oscillospira	genus	High	119852	Pseudomonas aeruginosa	species	High	287
Parabacteroides	genus	High	375288	Staphylococcus aureus	species	High	1280
Paraprevotella	genus	High	577309	Staphylococcus capitis	species	High	29388
Parasutterella	genus	High	577310	Streptococcus pyogenes	species	High	1314
Pedobacter	genus	Low	84567	Streptococcus sanguinis	species	High	1305
				Sutterella wadsworthensis	species	Low	40545

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.

Abstention from eating {Fasting}

Escherichia coli cryodesiccata {colinfant probiotics}

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

Ethyl alcohol {Grain alcohol}

Ferrum {Iron Supplements} 400 mg/day

high red meat

Sleep apnea {partial sleep deprivation}

Sucralose {Splenda} 340 mg/day

Tobacco consumption {Smoking}

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}
 (2->1)-beta-D-fructofuranan {Inulin}
 allium sativum {garlic}
 bacillus
 bacillus,lactobacillus,streptococcus,saccharomyces probiotic
 bifidobacterium bifidum {B. bifidum}
 bifidobacterium longum {B.Longum }
 Bovine Milk Products {Dairy}
 Cinnamomum zeylanicum {Ceylon Cinnamon}
 Curcuma longa {Turmeric}
 D-(-)-Fructose {Fruit sugar}
 Diferuloylmethane {Curcumin}
 enterococcus faecium {E. faecium}
 fruit
 fruit/legume fibre
 green tea
 Honey {Honey }
 Lactocaseibacillus casei {L. casei}
 Lactocaseibacillus paracasei {L.paracasei}

Lactocaseibacillus rhamnosus {l. rhamnosus}
 lactobacillus acidophilus {L. acidophilus}
 Lactobacillus plantarum {L. plantarum}
 Limosilactobacillus fermentum {L. fermentum}
 Limosilactobacillus reuteri {L. Reuteri}
 Metha family {Mint}
 Moringa Oleifera
 oligosaccharides {oligosaccharides}
 organum vulgare {oregano}
 Probiotic Mixture 1 {Japanese Vet Probiotic}
 Probiotic Mixture 2 {Vetafarm Probiotic}
 Propolis {Bee glue}
 Punica granatum {pomegranate}
 rosmarinus officinalis {rosemary}
 Saccharomyces cerevisiae var boulardii {S. boulardii}
 β-(1?4)-linked D-glucosamine and N-acetyl-D-glucosamine
 {Chitosan}
 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

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
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