

Microbiome Information for: Atrial fibrillation

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/>)

Thorne (<https://www.thorne.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 Atrial fibrillation

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
Alphaproteobacteria	class	Low	28211	Klebsiella	genus	High	570
Flavobacteriia	class	Low	117743	Kluyvera	genus	High	579
Sphingobacteriia	class	Low	117747	Lachnobacterium	genus	Low	140625
Alcaligenaceae	family	High	506	Lachnoclostridium	genus	High	1506553
Barnesiellaceae	family	Low	2005519	Lachnospira	genus	High	28050
Clostridiaceae	family	Low	31979	Lactobacillus	genus	High	1578
Flavobacteriaceae	family	Low	49546	Lactococcus	genus	High	1357
Lachnospiraceae	family	Low	186803	Oscillibacter	genus	Low	459786
Sphingobacteriaceae	family	Low	84566	Parabacteroides	genus	High	375288
Veillonellaceae	family	Low	31977	Paraprevotella	genus	Low	577309
Acinetobacter	genus	High	469	Prevotella	genus	Low	838
Aeromonas	genus	High	642	Ruminococcus	genus	High	1263
Agathobacter	genus	High	1766253	Sanguibacteroides	genus	Low	1635148
Allisonella	genus	High	209879	Sellimonas	genus	High	1769710
Bilophila	genus	Low	35832	Shigella	genus	Low	620
Blautia	genus	High	572511	Sphingobacterium	genus	Low	28453
Brevundimonas	genus	Low	41275	Streptococcus	genus	High	1301
Burkholderia	genus	High	32008	Turidibacter	genus	Low	191303
Butyrivicoccus	genus	Low	580596	Tyzzerella	genus	Low	1506577
Butyrivibrio	genus	Low	830	Veillonella	genus	High	29465
Citrobacter	genus	Low	544	Burkholderiales	order	High	80840
Coprococcus	genus	High	33042	Flavobacteriales	order	Low	200644
Desulfovibrio	genus	High	872	Hyphomicrobiales	order	Low	356
Dialister	genus	High	39948	Micrococcales	order	Low	85006
Dorea	genus	High	189330	Sphingobacteriales	order	Low	200666
Eisenbergiella	genus	High	1432051	Agathobacter rectalis	species	Low	39491
Enorma	genus	High	1472762	Bacteroides fragilis	species	High	817
Enterobacter	genus	High	547	Corynebacterium striatum	species	High	43770
Enterococcus	genus	High	1350	Eubacterium ramulus	species	High	39490
Escherichia	genus	Low	561	Faecalibacterium prausnitzii	species	High	853
Faecalibacterium	genus	Low	216851	Helicobacter pylori	species	High	210
Haemophilus	genus	High	724	Phocaeicola coprophilus	species	Low	387090
Holdemanella	genus	Low	1573535	Porphyromonas gingivalis	species	High	837
Holdemania	genus	High	61170	Segatella copri	species	Low	165179
Hungatella	genus	Low	1649459	Staphylococcus aureus	species	High	1280

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->1)-beta-D-fructofuranan {Inulin} 32 gram/day

Avena sativa x Hordeum vulgare {barley,oat}

bacillus

bacillus licheniformis {b. licheniformis} 10 BCFU/day

bacillus,lactobacillus,streptococcus,saccharomyces probiotic

bifidobacterium

Bovine Milk Products {Dairy}

fructo-oligosaccharides 15 gram/day

Hordeum vulgare {Barley} 60 gram/day

lactobacillus paracasei,lactobacillus acidophilus,bifidobacterium

animalis

lactobacillus rhamnosus gg,bifidobacterium animalis lactis

,lactobacillus paracasei {cvs maximum strength probiotic}

long-term, moderate-intensity exercise {exercise}

oligosaccharides {oligosaccharides}

Oryza sativa {Rice}

Outer Layers of Triticum aestivum {Wheat Bran}

Probiotic Mixture 1 {Japanese Vet Probiotic}

Probiotic Mixture 2 {Vetafarm Probiotic}

Prunus dulcis {Almonds} 90 gram/day

resistant starch

Saccharomyces cerevisiae var boulardii {S. boulardii} 6 BCFU/day

synthetic disaccharide derivative of lactose {Lactulose}

wheat

yogurt

Retail Probiotics

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

jarow formulas / bifidus balance® + fos
 Global Healing Center / FloraTrex
 Next Generation
 natviehealthcare.com/Renewbiome Mega
 Swiss BioEnergetics / Full Spectrum Probiotic Defence
 Physician Choice /60 Billion Probiotics
 Nutrition Essentials / Probiotic (900 BCFU)
 Bio Schwartz / Advance Strength Probiotics (40 BCFU)
 Bromatech (IT) / Enterelle
 Bromatech (IT) / Lautoselle
 Bromatech (IT) / Serobiome
 Ombre / Healthy Gut
 Ombre / Metabolic Booster
 Ombre / Endless Energy
 imagilin / NutriLots Replenish
 Energybalance / ColoBiotica 28 Colon Support
 SuperSmart / Saccharomyces Boulardii
 ISCON Elegance/ Ochek Capsule 10
 Eden's / 3-in-1 Synbiotic Superblend
 Schwabe Pharma Italia / AxiBoulardi
 Bromatech / ENTERELLE PLUS
 Bioflora (Mx) / BIOFLORA / 30 BILLION 10 strains
 Bioflora (MX) / BIOFLORAMX / 50 BILLION 10 Strains
 Bulk Probiotics / Saccharomyces boulardii Probiotic Powder (Digestive Support)
 naturopathica (au) / gastrohealth fibrepro
 naturopathica (au) / gastrohealth probiotic dairy free 50 billion
 naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu
 nature's way (au) / restore probiotic bowel & colon health 30s
 nature's way (au) / restore probiotic daily health 90s
 nature's way (au) / restore probiotic 30 billion 30s
 blackmores (au) / probiotics + adults daily (90 capsules)
 blackmores (au) / probiotics+ immune defence
 blackmore (au) / probiotics+ bowel support
 blackmore (au) / probiotics+ eczema relief
 blackmore (au) / probiotics+ daily health
 Realdose
 Thryve Inside/ L.Reu,Rham,Casi; B.Lactis
 microbiome labs/ megasporebiotic
 nature's instincts / ultra spore probiotic
 florastor / florastor
 spain (es) / axiboulardi
 spain (es) / ultralevura
 optibac / for every day
 optibac / bifidobacteria & fibre
 optibac / saccharomyces boulardii
 probiotic pur (de) / realdose nutrition
 microbiome labs / restorflora
 organic 3 / yeastbiotic
 theramedix / probiotic

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.

2H-1?6,2-benzothiazol-1,1,3-trione {Saccharin}	fruit/legume fibre
3,3',4',5,7-pentahydroxyflavone {Quercetin}	glycyrrhizic acid {licorice}
Artemisia absinthium {wormwood}	Hypericum perforatum {St. John's Wort}
Ayurvedic herbal formula {Triphala}	Menta × piperita {peppermint}
Azadirachta indica {Neem}	Metha family {Mint}
chlorhexidine	Ocimum tenuiflorum {Tulsi}
Cinnamomum zeylanicum {Ceylon Cinnamon}	Olea europaea {Olive leaf}
Crataegus {Hawthorn}	Phyllanthus emblica {Chinese gall}
Curcuma longa {Turmeric}	Propolis {Bee glue}
Cymbopogon citratus {Lemongrass}	Punica granatum {pomegranate}
Diferuloylmethane {Curcumin}	steviol glycosides {Stevia}
Eucalyptus {Gum Tree}	syzygium aromaticum {clove}
Ferrum {Iron Supplements}	Thymus vulgaris {thyme}
foeniculum vulgare,fennel	Vaccinium {Cranberry}
fruit	vitamin d
	Zingiber officinale Roscoe {ginger}

Sample of Literature Used

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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
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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
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Slow gastric motility / Gastroparesis
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Tic Disorder
Tourette syndrome
Type 1 Diabetes
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