

Microbiome Information for: erectile dysfunction

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 erectile dysfunction

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
Erysipelotrichaceae	family	High	128827	Escherichia	genus	High	561
Lachnospiraceae	family	High	186803	Fusobacterium	genus	High	848
Oscillospiraceae	family	Low	216572	Lachnoclostridium	genus	High	1506553
Ruminococcaceae	family	Low	541000	Lactococcus	genus	Low	1357
Actinomyces	genus	High	1654	Oscillibacter	genus	High	459786
Alistipes	genus	Low	239759	Senegalimassilia	genus	High	1473205
Bacteroides	genus	High	816	Shigella	genus	High	620
Bifidobacterium	genus	Low	1678	Tyzzereila	genus	High	1506577
Clostridium	genus	High	1485	Helicobacter pylori	species	High	210
				Streptococcus anginosus	species	High	1328

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.

5,6-dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-a]quinolizinium {Berberine} 1.5 gram/day
 α-Amino-3-indolepropionic acid {Tryptophan} 3 gram/day
 Abstention from eating {Fasting}
 alpha-tocopherol {Vitamin E} 60 IU/day
 Brassica oleracea var. italica {Broccoli}
 cholic,taurocholic,chenodeoxycholic,glycocholic acids {Bile supplements}
 dietary fiber
 Ferrum {Iron Supplements} 400 mg/day
 Hericium erinaceus {Lion's Mane Mushroom }
 High glycemic diet {High-sugar diet (HSD)}
 High-protein diet {Atkins low-carbohydrate diet}
 Hordeum vulgare {Barley} 60 gram/day
 Humulus lupulus compound {Xanthohumol}
 Lactobacillus rhamnosus {L. rhamnosus} 48 BCFU/day
 Limosilactobacillus reuteri {L. Reuteri} 22 BCFU/day

long-term, moderate-intensity exercise {exercise}
 Moringa Oleifera
 N-[2-(5-methoxy-1H-indol-3-yl)ethyl]acetamide {Melatonin} 10 mg/day
 Nitrogen Oxide x Particulate Matter {Urban air pollutant}
 Outer Layers of Triticum aestivum {Wheat Bran}
 Panax ... {Ginseng} 2000 mg/day
 pectin {pectin}
 Pentahydroxypentane {Xylitol}
 Poly[β-D-xylopyranose(1->4)] {Xylan}
 Rheum × hybridum {Rhubarb}
 Salvia hispanica {Chia Seeds}
 Sleep apnea {partial sleep deprivation}
 Sodium alginate 3000 mg/day
 β-glucan {Beta-Glucan} 500 mg/day
 walnuts 75 gram/day
 wheat

Retail Probiotics

Over 260 retail probiotics were evaluted with the following deem beneficial with no known adverse risks.

spain (es) / aquilea intimus
 Ombre / Restore
 jarow formulas / fem dophilus
 JGL / Lactogyn
 Thryve Inside/ L.Reu,Rham,Casi; B.Lactis
 blackmore (au) / probiotics+ womens flora balance
 optibac / for women
 jarow formulas / fem-dophilus®
 SuperSmart / Oral Health
 RepHresh /Pro-B Probiotic Supplement for Women
 jarow formulas / jarro-dophilus mood
 CustomProbiotics.com / L. Reuteri Probiotic Powder
 spain (es) / ns florabiotic instant
 SuperSmart / H. Pylori Fight
 BioGaia / BioGaia Osfortis
 naturopathica (au)/ gastrohealth probiotic daily care
 Bulk Probiotics / L. Reuteri Probiotic Powder
 Maple Life Science™/ Lactobacillus reuteri
 spain (es) / gum periobalance
 SuperSmart / Lactobacillus reuteri
 Microbiome Plus+™ Gastrointestinal
 Bulk Probiotics / L. Rhamnosus Probiotic Powder
 spain (es) / casenbiotic
 Bromatech (IT) / Serobiome
 spain (es) / reuteri gotas
 BioGaia / BioGaia Products
 Metabolics / Lactobacillus Rhamnosus Powder
 spain (es) / gastrus
 custom probiotics / d-lactate free probiotics powder
 CustomProbiotics.com / L. Rhamnosus Probiotic Powder
 blackmore (au) / probiotics+ eczema relief
 Microbiome Labs / MEGA Genesis
 Bromatech (IT) / Rotanella plus
 spain (es) / muvagyn probiotico
 Pregnancy Care Probiotic
 Botica Alternativa / Lactobacilos Reuteri
 ProGoes® Forte

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.

acarbose,(prescription)	lactobacillus acidophilus {L. acidophilus}
amikacin	Lactobacillus Johnsonii {Lactobacillus Johnsonii}
amoxicillin [CFS]	lactobacillus paracasei,lactobacillus acidophilus,bifidobacterium
ampicillin [CFS]	animalis
Avena sativa {Oats}	Lactobacillus plantarum {L. plantarum}
azithromycin,[CFS]	lactobacillus rhamnosus gg,bifidobacterium animalis lactis
bacillus subtilis {B.Subtilis }	,lactobacillus paracasei {cvs maximum strength probiotic}
bacillus,lactobacillus,streptococcus,saccharomyces probiotic	meropenem
benzylpenicillin sodium (antibiotic)	Metha family {Mint}
Bifidobacterium animalis subsp. lactis {B. Lactis}	metronidazole [CFS]
bifidobacterium bifidum {B. bifidum}	Morinda citrifolia {Noni}
Bovine Milk Products {Dairy}	norfloxacin
cefotaxime sodium salt (antibiotic)	ofloxacin
ceftazidime	origanum vulgare {oregano}
chloramphenicol	piperacillin-tazobactam
Cichorium intybus {Chicory}	Pleurotus ostreatus {Oyster mushroom}
ciprofloxacin [CFS]	polyphenols
clindamycin [CFS]	Probiotic Mixture 1 {Japanese Vet Probiotic}
colostrum	Probiotic Mixture 2 {Vetafarm Probiotic}
Echinacea Moench {Echinacea}	red wine
enterococcus faecium {E. faecium}	resveratrol-pterostilbene {grapes, blueberries}
Epicatechin {Green tea polyphenol}	resveratrol-pterostilbene x Quercetin {quercetin x resveratrol}
Escherichia coli Nissle 1917 {Mutaflor}	rifaximin
fluoroquinolone	Saccharomyces cerevisiae var boulardii {S. boulardii}
gentamicin	Secale cereale {Rye}
grapes	soy
green tea	synthetic disaccharide derivative of lactose {Lactulose}
imipenem	terpenophenolics {cannabinoids}
Lactacaseibacillus paracasei shirota {Yakult}	Thymus vulgaris {thyme}
	yogurt
	Zingiber officinale Roscoe {ginger}
	β-lactoglobulin {Whey}

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