

Microbiome Information for: Endometriosis

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 Endometriosis

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
Erysipelotrichia	class	High	526524
Negativicutes	class	High	909932
Coriobacteriaceae	family	High	84107
Enterobacteriaceae	family	High	543
Lactobacillaceae	family	Low	33958
Alishewanella	genus	High	111142
Anaerococcus	genus	High	165779
Anaerotruncus	genus	High	244127
Atopobium	genus	Low	1380
Bacteroides	genus	High	816
Bifidobacterium	genus	High	1678
Blautia	genus	High	572511
Campylobacter	genus	High	194
Candida	genus	High	5475
Corynebacterium	genus	High	1716
Cytomegalovirus	genus	High	10358
Dorea	genus	High	189330
Enterococcus	genus	High	1350
Enterorhabdus	genus	High	580024
Escherichia	genus	High	561
Eubacterium	genus	High	1730
Ezakiella	genus	High	1582879
Faecalibacterium	genus	High	216851
Finnegoldia	genus	Low	150022
Flavobacterium	genus	High	237
Gardnerella	genus	High	2701
Gemella	genus	Low	1378
Lachnospira	genus	Low	28050
Lactobacillus	genus	Low	1578
Methanobrevibacter	genus	High	2172
Mobiluncus	genus	High	2050
Odoribacter	genus	Low	283168

Bacteria Name	Rank	Shift	Taxonomy ID
Olsenella	genus	High	133925
Oscillospira	genus	High	119852
Parabacteroides	genus	High	375288
Paraprevotella	genus	Low	577309
Porphyromonas	genus	High	836
Prevotella	genus	High	838
Pseudomonas	genus	High	286
Roseburia	genus	Low	841
Ruminococcus	genus	Low	1263
Senegalimassilia	genus	Low	1473205
Shigella	genus	High	620
Sneathia	genus	Low	168808
Streptococcus	genus	High	1301
Turidibacter	genus	Low	191303
Veillonella	genus	Low	29465
Bacteroidales	order	Low	171549
Burkholderiales	order	High	80840
Eubacteriales	order	Low	186802
Selenomonadales	order	High	909929
Sphingomonadales	order	High	204457
Escherichia coli	species	High	562
Eubacterium ruminantium	species	Low	42322
Eubacterium xylanophilum	species	High	39497
Faecalibacterium prausnitzii	species	High	853
Gardnerella vaginalis	species	High	2702
Haemophilus parainfluenzae	species	High	729
Lactobacillus crispatus	species	Low	47770
Prevotella bivia	species	High	28125
Pseudomonas aeruginosa	species	High	287
Staphylococcus aureus	species	High	1280
Streptococcus sp. 1643	species	High	2576376
Ureaplasma urealyticum	species	High	2130

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

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

2H-1?6,2-benzothiazol-1,1,3-trione {Saccharin} 450 mg/day

2-hydroxyethyl)trimethylazanium {choline} 1 g/day

Abstention from eating {Fasting}

amaranthus {amaranth}

arabinogalactan {arabinogalactan} 21 gram/day

D-ribofuranoside {Ribose} 10 gram/day

Escherichia coli cryodesiccata {colinfant probiotics}

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

Ethyl alcohol {Grain alcohol}

fat

Ferrum {Iron Supplements} 400 mg/day

long-term, moderate-intensity exercise {exercise}

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

non-starch polysaccharides

partially hydrolysed guar gum

Perna canaliculus {Green-lipped mussel}

Phaseolus vulgaris {Boston bean}

Poly[β-D-xylopyranose(1->4)] {Xylan}

Polydextrose {polydextrose}

Pulses, Beans

Pulvis ledebouriellae compositae {Bofutsushosan}

Quercetin-3-O-rutinoside {Rutin} 60 mg/day

raffinose {sugar beet}

red wine 250 ml/day

resistant starch

Sleep apnea {partial sleep deprivation}

Sodium Chloride {Salt}

β-glucan {Beta-Glucan} 500 mg/day

Sucralose {Splenda} 340 mg/day

Sus domesticus {Pork}

synthetic disaccharide derivative of lactose {Lactulose}

Theobroma cacao {Cacao} 20 gram/day

Tobacco consumption {Smoking}

Tributyrin

Ulmus rubra {slippery elm}

Under cooked animal protein {Rare meat}

Vsl#3 {Visibiome}

Retail Probiotics

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

symbiopharm / symbioflo 2
Swiss BioEnergetics / Full Spectrum Probiotic Defence
nature's way (au) / restore probiotic daily health 90s
jarrow formulas / bifidus balance® + fos
Bromatech (IT) / Lautoselle
naturopathica (au) / gastrohealth fibrepro
blackmore (au) / probiotics+ eczema relief
Bromatech (IT) / Serobiome
blackmores (au) / probiotics+ immune defence
blackmore (au) / probiotics+ bowel support
nature's way (au) / restore probiotic 30 billion 30s

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.

3,3',4',5,7-pentahydroxyflavone {Quercetin}	Lactocaseibacillus casei {L. casei}
allium sativum {garlic}	Lactocaseibacillus paracasei {L.paracasei}
Azadirachta indica {Neem}	Lactobacillus plantarum {L. plantarum}
bacillus	Limosilactobacillus reuteri {L. Reuteri}
bacillus,lactobacillus,streptococcus,saccharomyces probiotic	Metha family {Mint}
Bovine Milk Products {Dairy}	Moringa Oleifera
Cinnamomum zeylanicum {Ceylon Cinnamon}	origanum vulgare {oregano}
Curcuma longa {Turmeric}	Probiotic Mixture 1 {Japanese Vet Probiotic}
D-(-)-Fructose {Fruit sugar}	Probiotic Mixture 2 {Vetafarm Probiotic}
Diferuloylmethane {Curcumin}	Propolis {Bee glue}
enterococcus faecium {E. faecium}	rosmarinus officinalis {rosemary}
fruit	Thymus vulgaris {thyme}
fruit/legume fibre	yogurt
Honey {Honey }	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
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