

Microbiome Information for: Breast Cancer

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 Breast Cancer

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	Pseudogulbenkiania	genus	High	568394
Acidaminococcus	genus	High	904	Romboutsia	genus	Low	1501226
Anaerofilum	genus	Low	52784	Succinimonas	genus	High	83768
Dialister	genus	Low	39948	Tyzzereella	genus	High	1506577
Hungatella	genus	High	1649459	Candidatus Gastranaerophilales	order	Low	1906119
Lachnospirillum	genus	High	1506553	Coriobacteriales	order	Low	84999
Mycoplasma	genus	High	2093	Flavobacteriales	order	Low	200644
Peptoniphilus	genus	High	162289	Escherichia coli	species	High	562
Porphyromonas	genus	High	836	Fusobacterium nucleatum	species	High	851
				Roseburia inulinivorans	species	High	360807

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.

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

Amorphophallus konjac {Konjaku flour}

arabinogalactan {arabinogalactan} 21 gram/day

cellulose

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

Cichorium intybus {Chicory} 1800 mg/day

D-ribofuranoside {Ribose} 10 gram/day

Escherichia coli cryodesiccata {colinfant probiotics}

Ferrum {Iron Supplements} 400 mg/day

High glycemic diet {High-sugar diet (HSD)}

high red meat

high-fat diets

High-protein diet {Atkins low-carbohydrate diet}

Human milk oligosaccharides (prebiotic, Holigos, Stachyose) 2

gram/day

Mycotoxins {Home Dampness}

Nitrogen Oxide x Particulate Matter {Urban air pollutant}

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

Rheum x hybridum {Rhubarb}

Rhubarb x Peony {Rhubarb Peony Decoction}

Sleep apnea {partial sleep deprivation}

β-glucan {Beta-Glucan} 500 mg/day

Tobacco consumption {Smoking}

Ulmus rubra {slippery elm}

Under cooked animal protein {Rare meat}

vegetarians

walnuts 75 gram/day

wheat

Retail Probiotics

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

blackmores (au) / probiotics + adults daily (90 capsules)

nature's way (au) / restore probiotic daily health 90s

jarrow formulas / bifidus balance® + fos

naturopathica (au) / gastrohealth fibrepro

blackmore (au) / probiotics+ eczema relief

Ombre / Harmony

nature's way (au) / restore probiotic 30 billion 30s

blackmore (au) / probiotics+ daily health

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}	imipenem
amikacin	Lactacisibacillus casei {L. casei}
amoxicillin [CFS]	Lactobacillus plantarum {L. plantarum}
ampicillin [CFS]	Lavandula angustifolia {lavender}
Aronia arbutifolia,Aronia melanocarpa {Chokeberry}	Menta × piperita {peppermint}
azithromycin,[CFS]	Metha family {Mint}
bacillus	Moringa Oleifera
bacillus subtilis {B.Subtilis }	Nigella sativa {black cumin}
bifidobacterium bifidum {B. bifidum}	Ocimum basilicum {Basil}
cefotaxime sodium salt (antibiotic)	Ocimum gratissimum {Clove basil}
ceftazidime	Olea europaea {Olive leaf}
Cinnamomum zeylanicum {Ceylon Cinnamon}	origanum vulgare {oregano}
ciprofloxacin [CFS]	piperacillin-tazobactam
D-(-)-Fructose {Fruit sugar}	Pistacia lentiscus {mastic gum}
Diferuloylmethane {Curcumin}	Propolis {Bee glue}
doxycycline [CFS]	resveratrol-pterostilbene {grapes, blueberries}
eugenol {Eugenic acid}	resveratrol-pterostilbene x Quercetin {quercetin x resveratrol}
fluoroquinolone	rosmarinus officinalis {rosemary}
fruit	β-(1?4)-linked D-glucosamine and N-acetyl-D-glucosamine
gentamicin	{Chitosan}
green tea	Thymus vulgaris {thyme}
Honey {Honey }	trimethoprim
	Vaccinium {Cranberry}
	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
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