

## Microbiome Information for: Cancer (General)

### 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 *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**

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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

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## Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Cancer (General)

*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
Desulfovibrio	<i>genus</i>	High	872	Lacticaseibacillus paracasei	<i>species</i>	Low	1597
Mucispirillum	<i>genus</i>	High	248038	Lacticaseibacillus rhamnosus	<i>species</i>	Low	47715
Neisseria	<i>genus</i>	High	482	Lactiplantibacillus pentosus	<i>species</i>	Low	1589
Odoribacter	<i>genus</i>	High	283168	Lactiplantibacillus plantarum	<i>species</i>	Low	1590
Staphylococcus	<i>genus</i>	Low	1279	Lactobacillus acidophilus	<i>species</i>	Low	1579
Salmonella enterica subsp. enterica serovar Typhimurium	<i>no rank</i>	Low	90371	Lactobacillus delbrueckii	<i>species</i>	Low	1584
Aggregatibacter actinomycetemcomitans	<i>species</i>	High	714	Lactobacillus helveticus	<i>species</i>	Low	1587
Bacillus cereus	<i>species</i>	Low	1396	Lactococcus lactis	<i>species</i>	Low	1358
Bacillus subtilis	<i>species</i>	Low	1423	Ligilactobacillus salivarius	<i>species</i>	Low	1624
Bacteroides caccae	<i>species</i>	Low	47678	Limosilactobacillus fermentum	<i>species</i>	Low	1613
Bifidobacterium adolescentis	<i>species</i>	Low	1680	Limosilactobacillus reuteri	<i>species</i>	Low	1598
Bifidobacterium longum	<i>species</i>	Low	216816	Pediococcus pentosaceus	<i>species</i>	Low	1255
Clostridium butyricum	<i>species</i>	Low	1492	Porphyromonas gingivalis	<i>species</i>	High	837
Clostridium novyi	<i>species</i>	Low	1542	Pseudomonas aeruginosa	<i>species</i>	Low	287
Clostridium perfringens	<i>species</i>	Low	1502	Saccharomyces boulardii (nom. inval.)	<i>species</i>	Low	252598
Enterococcus faecalis	<i>species</i>	Low	1351	Salmonella enterica	<i>species</i>	Low	28901
Enterococcus faecium	<i>species</i>	Low	1352	Streptococcus thermophilus	<i>species</i>	Low	1308
Lacticaseibacillus casei	<i>species</i>	Low	1582	Bifidobacterium animalis subsp. lactis	<i>subspecies</i>	Low	302911
				Bifidobacterium longum subsp. infantis	<i>subspecies</i>	Low	1682

## 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.

amikacin (antibiotic)s

**AMOXICILLIN (ANTIBIOTIC)S[CFS]**

**AMPICILLIN (ANTIBIOTIC)S[CFS]**

**AZITHROMYCIN,(ANTIBIOTIC)S[CFS]**

benzylpenicillin sodium (antibiotic)

cefotaxime sodium salt (antibiotic)

ceftazidime (antibiotic)s

ceftriaxone (antibiotic)s

chloramphenicol (antibiotic)s

cinnamon (oil. spice) 6 gram/day

**CIPROFLOXACIN (ANTIBIOTIC)S[CFS]**

**CLINDAMYCIN (ANTIBIOTIC)S[CFS]**

Curcumin 3 gram/day

**DOXYCYCLINE (ANTIBIOTIC)S[CFS]**

**ERYTHROMYCIN (ANTIBIOTIC)S[CFS]**

foeniculum vulgare,fennel

gentamicin (antibiotic)s

imipenem (antibiotic)s

meropenem (antibiotic)s

**MINOCYCLINE (ANTIBIOTIC)S[CFS]**

moxifloxacin (antibiotic)

nitrofurantoin (antibiotic)

piperacillin-tazobactam (antibiotic)s

rifampicin (antibiotic)s

sparfloxacin (antibiotic)

syzygium aromaticum (clove)

tetracycline (antibiotic)s

thyme (thymol, thyme oil)

tobramycin (antibiotic)s

trimethoprim (antibiotic)s 50 mg/d

**VANCOMYCIN (ANTIBIOTIC)[CFS]**

## 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.

almonds/ almond skins

arabinogalactan (prebiotic)

barley

clostridium butyricum (probiotics),Miya,Miyarisan

fructo-oligosaccharides (prebiotic)

Human milk oligosaccharides (prebiotic, Holigos, Stachyose)

inulin (prebiotic)

jerusalem artichoke (prebiotic)

lactulose

oligosaccharides (prebiotic)

raffinose(sugar beet)

resveratrol (grape seed/polyphenols/red wine)

sesame cake/meal

soy

wheat bran

## Sample of Literature Used

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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

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

Colorectal Cancer

Constipation

Coronary artery disease

COVID-19  
Crohn's Disease  
cystic fibrosis  
deep vein thrombosis  
Depression  
Dermatomyositis  
Eczema  
Endometriosis  
Eosinophilic Esophagitis  
Epilepsy  
erectile dysfunction  
Fibromyalgia  
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  
Halitosis  
Hashimoto's thyroiditis  
Heart Failure  
Hemorrhoidal disease, Hemorrhoids, Piles  
Hidradenitis Suppurativa  
Histamine Issues  
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  
Juvenile idiopathic arthritis  
Liver Cirrhosis  
Long COVID  
Low bone mineral density  
Lung Cancer  
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  
Polycystic ovary syndrome  
Postural orthostatic tachycardia syndrome  
Premenstrual dysphoric disorder  
primary biliary cholangitis  
Psoriasis  
rheumatoid arthritis (RA), Spondyloarthritis (SpA)  
Rosacea  
Schizophrenia  
scoliosis  
sensorineural hearing loss  
Sjögren syndrome  
Sleep Apnea  
Small Intestinal Bacterial Overgrowth (SIBO)  
Stress / posttraumatic stress disorder  
Systemic Lupus Erythematosus  
Tic Disorder  
Tourette syndrome  
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