

Microbiome Information for: Glioblastoma

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

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Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Glioblastoma

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
Lachnospiraceae	family Low	186803	Eubacterium	genus High	1730
Oscillospiraceae	family Low	216572	Faecalibacterium	genus Low	216851
Peptostreptococcaceae	family High	186804	Leptotrichia	genus Low	32067
Anaerostipes	genus Low	207244	Phascolarctobacterium	genus Low	33024
Atopobium	genus High	1380	Prevotella	genus Low	838
			Streptococcus	genus Low	1301

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.

AMOXICILLIN [CFS]

AMPICILLIN [CFS]

Azadirachta indica {Neem} 120 mg/day

AZITHROMYCIN,[CFS]

benzylpenicillin sodium (antibiotic)

chlorhexidine

CIPROFLOXACIN [CFS]

CLINDAMYCIN [CFS]

colostrum

Ethanoic acid {Vinegar}

Ethyl alcohol {Grain alcohol}

Flavan-3-ols {Epicatechin}

gentamicin

Glycine max {Doenjang}

glycyrrhizic acid {licorice} 32 gram/day

imipenem

Ligilactobacillus salivarius {L. salivarius} 9 BCFU/day

loperamide hydrochloride,(prescription)

Menta × piperita {peppermint}

meropenem

Metha family {Mint}

Morus {Mulberry }

Olea europaea {Olive leaf} 700 mg/day

piperacillin-tazobactam

Pistacia lentiscus {mastic gum} 1000 mg/day

Prunus mume {Umeboshi}

restricted-fiber diet {low fiber diet}

risperidone,(prescription)

rosmarinus officinalis {rosemary}

Sucralose {Splenda} 340 mg/day

Thymus vulgaris {thyme}

tobramycin

VANCOMYCIN (ANTIBIOTIC)[CFS]

Zingiber officinale Roscoe {ginger}

Retail Probiotics

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

Bromatech (IT) / Acronelle
Bromatech (IT) / Lautoselle
klair labs / target gb-x
Sash Vitality / Bio-Cultures Probiotics for Adults
SuperSmart / Vaginal Health
CustomProbiotics.com / L. Salivarius Probiotic Powder
bravo europe / freeze-dried bravo
Nu U (uk) / Bio-Cultures Complex
Maple Life Science™ / Lactobacillus salivarius
Bulk Probiotics / L. Salivarius Probiotic Powder
wakamoto (jp) / strong wakamoto w
HLH BIOPHARMA(DE) / LACTOBACT ® OMNI FOS
Metabolics / Lactobacillus Salivarius Powder
ecology_allergycare

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.

5,6-dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-a]quinolizinium {Berberine}	fruit/legume fibre
(2->1)-beta-D-fructofuranan {Inulin}	Heyndrickxia coagulans {B. coagulans}
Abstention from eating {Fasting}	Hordeum vulgare {Barley}
arabinogalactan {arabinogalactan}	Lactobacillus plantarum {L. plantarum}
bacillus	Limosilactobacillus reuteri {L. Reuteri}
bacillus subtilis {B.Subtilis }	long-term, moderate-intensity exercise {exercise}
bacillus,lactobacillus,streptococcus,saccharomyces probiotic	oligosaccharides {oligosaccharides}
bifidobacterium longum {B.Longum }	pectin {pectin}
Capsicum annuum {Peppers} {Cayenne Pepper, Hot Pepper}	Saccharomyces cerevisiae var boulardii {S. boulardii}
dietary fiber	Slow digestible carbohydrates. {Low Glycemic}
Fiber, total dietary	β-glucan {Beta-Glucan}
fruit	wheat

Sample of Literature Used

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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