

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

[Our Facebook Discussion Page](#)

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
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Lachnospiraceae	family	Low		186803
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Oscillospiraceae	family	Low		216572
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Synergistaceae	family	High		649777
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Anaerostipes	genus	Low		207244
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Atopobium	genus	High		1380
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Coprobacillus	genus	High		100883
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Eubacterium	genus	High		1730
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Bacteria Name	Rank	Shift	Taxonomy	ID
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Faecalibacterium	genus	Low		216851
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Leptotrichia	genus	Low		32067
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Peptoniphilus	genus	High		162289
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Phascolarctobacterium	genus	Low		33024
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Prevotella	genus	Low		838
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Streptococcus	genus	Low		1301
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Weissella	genus	Low		46255
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Tissierellales	order	High		1737405
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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.

4-hydroxyphenyl-beta-D-glucopyranoside {Arbutin}	100 mg/day	Ligilactobacillus salivarius {L. salivarius}	9 BCFU/day
AMOXICILLIN [CFS]		loperamide hydrochloride,(prescription)	
Azadirachta indica {Neem}	120 mg/day	low carbohydrate diet	
AZITHROMYCIN,[CFS]		Menta × piperita {peppermint}	
benzylpenicillin sodium (antibiotic)		meropenem	
Camellia Linnaeus {camellia}		Metha family {Mint}	
CLINDAMYCIN [CFS]		METRONIDAZOLE [CFS]	
colostrum		Morus {Mulberry }	
DOXYCYCLINE [CFS]		oolong teas	
Echinacea Moench {Echinacea}	4 gram/day	piperacillin-tazobactam	
Ethyl alcohol {Grain alcohol}		restricted-fiber diet {low fiber diet}	
Flavan-3-ols {Epicatechin}		resveratrol-pterostilbene x Quercetin {quercetin x resveratrol}	
gentamicin		risperidone,(prescription)	
Glycine max {Doenjang}		rosmarinus officinalis {rosemary}	
glycyrrhizic acid {licorice}	32 gram/day	Sodium 2-stearoyllactate {sodium stearoyl lactylate}	
high red meat		Sucralose {Splenda}	340 mg/day
Hypericum perforatum {St. John's Wort}		terpenophenolics {cannabinoids}	
imipenem		Thymus vulgaris {thyme}	
lactobacillus helveticus,lactobacillus rhamnosus		tobramycin	
		VANCOMYCIN (ANTIBIOTIC)[CFS]	

Retail Probiotics

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

Bromatech (IT) / Acronelle
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}	Heyndrickxia coagulans {B. coagulans}
(2->1)-beta-D-fructofuranan {Inulin}	High-fibre diet {Whole food diet}
Abstention from eating {Fasting}	Hordeum vulgare {Barley}
arabinogalactan {arabinogalactan}	Lactobacillus plantarum {L. plantarum}
Avena sativa x Hordeum vulgare {barley,oat}	Limosilactobacillus reuteri {L. Reuteri}
bacillus	long-term, moderate-intensity exercise {exercise}
bacillus subtilis {B.Subtilis }	oligosaccharides {oligosaccharides}
bacillus,lactobacillus,streptococcus,saccharomyces probiotic	Outer Layers of Triticum aestivum {Wheat Bran}
bifidobacterium longum {B.Longum }	pectin {pectin}
Capsicum annuum {Peppers} {Cayenne Pepper, Hot Pepper}	resistant starch
dietary fiber	Saccharomyces cerevisiae var boulardii {S. boulardii}
Fiber, total dietary	Slow digestible carbohydrates. {Low Glycemic}
fruit	β-glucan {Beta-Glucan}
fruit/legume fibre	wheat
	whole-grain diet

Sample of Literature Used

The following are the most significant of the studies used to generate these suggestions.

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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