

Microbiome Information for: Intracranial aneurysms

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 Intracranial aneurysms

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
Alphaproteobacteria	class	Low	28211	Fusobacterium	genus	High	848
Clostridia	class	Low	186801	Howardella	genus	Low	404402
Fusobacteria	class	Low	203490	Hungatella	genus	High	1649459
Oscillospiraceae	family	High	216572	Lactobacillus	genus	Low	1578
Rikenellaceae	family	High	171550	Megamonas	genus	Low	158846
Veillonellaceae	family	Low	31977	Megasphaera	genus	Low	906
Acidaminococcus	genus	Low	904	Parabacteroides	genus	High	375288
Allisonella	genus	Low	209879	Romboutsia	genus	Low	1501226
Anaerofilum	genus	Low	52784	Ruminococcus	genus	High	1263
Anaerotruncus	genus	High	244127	Ruthenibacterium	genus	High	1905344
Bacteroides	genus	High	816	Terrisporobacter	genus	Low	1505652
Bifidobacterium	genus	Low	1678	Eubacteriales	order	High	186802
Blautia	genus	High	572511	Rhodospirillales	order	Low	204441
Collinsella	genus	Low	102106	Campylobacter concisus	species	High	199
Coprobacillus	genus	High	100883	Campylobacter gracilis	species	High	824
Coprococcus	genus	Low	33042	Campylobacter hominis	species	High	76517
Eubacterium	genus	Low	1730	Campylobacter ureolyticus	species	High	827
Faecalibacterium	genus	Low	216851	Hungatella hathewayi	species	Low	154046
Foumierella	genus	High	1940255	Prevotella intermedia	species	High	28131
				Streptococcus mitis	species	High	28037

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.

5,6-dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-a]quinolizinium {Berberine} 1.5 gram/day
 2-aminoacetic acid {glycine} 15 gram/day
 2H-1?6,2-benzothiazol-1,1,3-trione (Saccharin) 450 mg/day
 5,7-Dihydroxy-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one {Apigenin}
 ascophyllum nodosum {Rockweed}
 Capsicum annuum {Peppers} {Cayenne Pepper, Hot Pepper}
 cellulose
 Curcuma amada {Mango ginger}
 Dextrin 40 gram/day
 D-glucose {Glucose}
 Diferuloylmethane {Curcumin} 3 gram/day
 Ethyl alcohol {Grain alcohol}
 Ferrum {Iron Supplements} 400 mg/day
 Ganoderma sichuanense {Reishi Mushroom} 3.4 gram/day
 high red meat
 high-fat diets
 High-protein diet {Atkins low-carbohydrate diet}

Honey {Honey} 80 gram/day
 Humulus lupulus {Hops}
 Humulus lupulus compound {Xanthohumol}
 ketogenic diet
 methionine-choline-deficient diet {methionine-choline deprivation" diet}
 N-(phosphonomethyl)glycine {glyphosate}
 Nitrogen Oxide x Particulate Matter {Urban air pollutant}
 Phaseolus vulgaris {Boston bean}
 Polydextrose {polydextrose}
 Pulses, Beans
 Pulvis ledebourellae compositae {Bofutsushosan}
 Sodium alginate 3000 mg/day
 Sodium Chloride {Salt}
 Sodium Fluoride {Toothpaste fluoride}
 Sus domesticus {Pork}
 Tributyrin
 Vaccinium myrtillus {Billberry} 40 g/day Vaccinium myrtillus powder
 vegetarians

Retail Probiotics

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

Ombre / Harmony

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.

(2->1)-beta-D-fructofuranan {Inulin}

bacillus

bacillus subtilis {B.Subtilis }

bacillus,lactobacillus,streptococcus,saccharomyces probiotic

Bovine Milk Products {Dairy}

dietary fiber

Fiber, total dietary

fructo-oligosaccharides

Lactobacillus plantarum {L. plantarum}

oligosaccharides {oligosaccharides}

Slow digestible carbohydrates. {Low Glycemic}

synthetic disaccharide derivative of lactose {Lactulose}

Sample of Literature Used

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

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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

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

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