# Microbiome Information for: Intracranial aneurysms

## For non-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

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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/)**
**Thorne (https://www.thorne.com/products/dp/gut-health-test)**
***Worldwide*: BiomeSight (https://biomesight.com ) - Discount Code 'MICRO'**


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

5,6-dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-a]quinolizinium {Berberine} 1.5 gram/day
(RS)-2-(4-(2-methylpropyl)phenyl)propanoic acid {ibuprofen}
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 }
Agaricus bisporus {White button mushrooms}
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
Honey {Honey } 80 gram/day
Humulus lupulus {Hops}
Humulus lupulus compound {Xanthohumol}
Manganese sulfate {Manganese Supplement}
N-(phosphonomethyl)glycine {glyphosate}
Phaseolus vulgaris {Boston bean}
Polydextrose {polydextrose}
Pulses, Beans
Pulvis ledebouriellae compositae {Bofutsushosan}
Sodium Bicarbonate {Baking Soda}
Sodium Chloride {Salt}
Sus domesticus {Pork}
Tributyrin
Vaccinium myrtillus {Bilberry} 40 g/day Vaccinium myrtillus powder
vegetarians

## Retail Probiotics

**Over 260 retail probiotics were evaluted with the following deem 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 signigicant 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**
**fructo-oligosaccharides**
**Lactobacillus plantarum {L. plantarum}**
**oligosaccharides {oligosaccharides}**
**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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**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**
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**Primary sclerosing cholangitis**
**Psoriasis**
**rheumatoid arthritis (RA),Spondyloarthritis (SpA)**
**Rosacea**
**Schizophrenia**
**scoliosis**
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**Sleep Apnea**
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**Small Intestinal Bacterial Overgrowth (SIBO)**
**Stress / posttraumatic stress disorder**
**Systemic Lupus Erythematosus**
**Tic Disorder**
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