

Microbiome Information for: Tic Disorder

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 Tic Disorder

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
Oscillospiraceae	family	High	216572	Streptococcus	genus	High	1301
Peptostreptococcaceae	family	High	186804	Allisonella histaminiformans	species	Low	209880
Prevotellaceae	family	Low	171552	Catenibacterium mitsuokai	species	Low	100886
Bifidobacterium	genus	Low	1678	Dialister succinatiphilus	species	Low	487173
Catenibacterium	genus	Low	135858	Holdemanella biformis	species	Low	1735
Collinsella	genus	Low	102106	Intestinibacter bartlettii	species	Low	261299
Coprobacillus	genus	High	100883	Leyella stercorea	species	Low	363265
Dorea	genus	Low	189330	Mycoplasmoides pneumoniae	species	High	2104
Escherichia	genus	Low	561	Phocaeicola coprocola	species	Low	310298
Eubacterium	genus	High	1730	Phocaeicola plebeius	species	High	310297
Faecalibacterium	genus	High	216851	Phocaeicola vulgatus	species	High	821
Odoribacter	genus	High	283168	Roseburia faecis	species	Low	301302
Roseburia	genus	Low	841	Segatella copri	species	Low	165179
Ruminococcus	genus	High	1263	Streptococcus lutetiensis	species	Low	150055
Shigella	genus	Low	620	Streptococcus pyogenes	species	High	1314
				Subdoligranulum variabile	species	Low	214851

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

1,4- α -D-glucan branched {Amylopectin}

2-Methyl-5-(1-methylethyl)phenol {Carvacrol}

Adeps suillus {Lard}

amikacin

ascorbic acid {Vitamin C} 30 g/day

AZITHROMYCIN, [CFS]

Capsicum annuum {Peppers} {Cayenne Pepper, Hot Pepper}

cobalamin {Vitamin B-12} 10 mg/day

D-glucose {Glucose}

Ethyl alcohol {Grain alcohol}

eugenol {Eugenic acid}

fat

high-fat diets

High-protein diet {Atkins low-carbohydrate diet}

Lavandula angustifolia {lavender}

NEOMYCIN [CFS]

Nitrogen Oxide x Particulate Matter {Urban air pollutant}

Ocimum basilicum {Basil}

Ocimum gratissimum {Clove basil}

proton-pump inhibitors (prescription) 60 mg/day

Saccharomyces cerevisiae var boulardii {S. boulardii} 6 BCFU/day

Sus domesticus {Pork}

Tributylin

Zinc {Zinc Supplements} 300 mg/day

Retail Probiotics

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

nature's instincts / ultra spore probiotic
florastor / florastor
spain (es) / axiboulardi
spain (es) / ultralevura
optibac / saccharomyces boulardii
probiotic pur (de) / realdose nutrition
microbiome labs / restorflora
organic 3 / yeastbiotic
Realdose
Bromatech (IT) / Enterelle
Ombre / Healthy Gut
Ombre / Metabolic Booster
Ombre / Endless Energy
imagilin / NutriLots Replenish
SuperSmart / Saccharomyces Boulardii
Eden's / 3-in-1 Synbiotic Superblend
Schwabe Pharma Italia / AxiBoulardi
Bromatech / ENTERELLE PLUS
Bioflora (Mx) / BIOFLORA / 30 BILLION 10 strains
Bioflora (MX) / BIOFLORAMX / 50 BILLION 10 Strains
Bulk Probiotics / Saccharomyces boulardii Probiotic Powder (Digestive Support)
[natviehealthcare.com/Renewbiome Mega](http://natviehealthcare.com/RenewbiomeMega)

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}

dietary fiber

Fiber, total dietary

fructo-oligosaccharides

fruit/legume fibre

Human milk oligosaccharides (prebiotic, Holigos, Stachyose)

oligosaccharides {oligosaccharides}

Slow digestible carbohydrates. {Low Glycemic}

wheat

Sample of Literature Used

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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