

Microbiome Information for: obsessive-compulsive 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

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Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of obsessive-compulsive 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
Enterobacteriaceae	family	High	543	Parasutterella	genus	Low	577310
Lachnospiraceae	family	Low	186803	Peptococcus	genus	High	2740
Ruminococcaceae	family	Low	541000	Prevotella	genus	Low	838
Actinomyces	genus	Low	1654	Propionibacterium	genus	Low	1743
Aestuariaispira	genus	High	1647175	Pseudomonas	genus	Low	286
Agathobacter	genus	Low	1766253	Romboutsia	genus	Low	1501226
Alistipes	genus	High	239759	Slackia	genus	Low	84108
Anaeroplasma	genus	Low	2086	Staphylococcus	genus	High	1279
Anaerostipes	genus	Low	207244	Streptococcus	genus	High	1301
Barnesiella	genus	High	397864	Sutterella	genus	High	40544
Bifidobacterium	genus	Low	1678	Turicibacter	genus	Low	191303
Blautia	genus	Low	572511	Veillonella	genus	High	29465
Coprococcus	genus	Low	33042	[Ruminococcus] torques	species	Low	33039
Corynebacterium	genus	Low	1716	Akkermansia muciniphila	species	Low	239935
Desulfovermiculus	genus	High	339721	Bacteroides fragilis	species	High	817
Dorea	genus	Low	189330	Bacteroides ovatus	species	High	28116
Enhydrobacter	genus	Low	212791	Bacteroides uniformis	species	High	820
Enterobacter	genus	High	547	Bifidobacterium animalis	species	Low	28025
Enterococcus	genus	High	1350	Blautia obeum	species	High	40520
Enterorhabdus	genus	Low	580024	Clostridioides difficile	species	High	1496
Escherichia	genus	High	561	Coprococcus catus	species	High	116085
Eubacterium	genus	Low	1730	Escherichia coli	species	High	562
Holdemanella	genus	High	1573535	Eubacterium ventriosum	species	High	39496
Klebsiella	genus	High	570	Klebsiella pneumoniae	species	High	573
Lachnobacterium	genus	Low	140625	Limosilactobacillus reuteri	species	High	1598
Lachnospirillum	genus	High	1506553	Mediterraneibacter gnavus	species	Low	33038
Lachnospira	genus	High	28050	Methanobrevibacter smithii	species	Low	2173
Lactobacillus	genus	Low	1578	Mycoplasmoides pneumoniae	species	High	2104
Novosphingobium	genus	Low	165696	Phocaeicola vulgatus	species	High	821
Odoribacter	genus	Low	283168	Ruminococcus bromii	species	High	40518
Parabacteroides	genus	High	375288	Segatella copri	species	Low	165179
				Streptococcus pyogenes	species	High	1314

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.

Ethyl alcohol {Grain alcohol}

Ferrum {Iron Supplements} 400 mg/day

High-protein diet {Atkins low-carbohydrate diet}

proton-pump inhibitors (prescription) 60 mg/day

Ulmus rubra {slippery elm}

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}	Hordeum vulgare {Barley}
allium sativum {garlic}	imipenem
bacillus	Lactacisibacillus casei {L. casei}
bacillus subtilis {B.Subtilis }	Lactacisibacillus paracasei {L.paracasei}
bacillus,lactobacillus,streptococcus,saccharomyces probiotic	Lactacisibacillus rhamnosus {l. rhamnosus}
bifidobacterium	Lactobacillus plantarum {L. plantarum}
Bifidobacterium animalis {B. animalis}	Limosilactobacillus fermentum {L. fermentum}
Bifidobacterium animalis subsp. lactis {B. Lactis}	Limosilactobacillus reuteri {L. Reuteri}
bifidobacterium longum {B.Longum }	oligosaccharides {oligosaccharides}
Bovine Milk Products {Dairy}	origanum vulgare {oregano}
Cinnamomum zeylanicum {Ceylon Cinnamon}	pectin {pectin}
ciprofloxacin [CFS]	piperacillin-tazobactam
dietary fiber	polyphenols
Diferuloylmethane {Curcumin}	Propolis {Bee glue}
Fiber, total dietary	Punica granatum {pomegranate}
fruit	Slow digestible carbohydrates. {Low Glycemic}
fruit/legume fibre	Thymus vulgaris {thyme}
gentamicin	wheat
green tea	whole-grain diet
High-fibre diet {Whole food diet}	yogurt
	Zingiber officinale Roscoe {ginger}

Sample of Literature Used

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Constipation
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Cushing's Syndrome (hypercortisolism)
cystic fibrosis
d-lactic acidosis (one form of brain fog)
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Denture Wearers Oral Shifts
Depression
Dermatomyositis
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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
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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
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Schizophrenia
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Tourette syndrome
Type 1 Diabetes
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