

Microbiome Information for: Parkinson's Disease

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 *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

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Parkinson's Disease

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
Actinomycetia	class	Low	1760	Fusobacterium	genus	Low	848
Clostridia	class	Low	186801	Intestinimonas	genus	High	1392389
Akkermansiaceae	family	High	1647988	Klebsiella	genus	High	570
Bifidobacteriaceae	family	High	31953	Lachnospira	genus	Low	28050
Christensenellaceae	family	High	990719	Lactobacillus	genus	High	1578
Enterobacteriaceae	family	High	543	Methanobrevibacter	genus	High	2172
Enterococcaceae	family	High	81852	Oscillospira	genus	High	119852
Lachnospiraceae	family	Low	186803	Parabacteroides	genus	High	375288
Lactobacillaceae	family	High	33958	Paraprevotella	genus	Low	577309
Pasteurellaceae	family	Low	712	Peptoclostridium	genus	High	1481960
Prevotellaceae	family	Low	171552	Porphyromonas	genus	High	836
Rikenellaceae	family	High	171550	Prevotella	genus	Low	838
Ruminococcaceae	family	High	541000	Pseudobutyrvibrio	genus	Low	46205
Streptococcaceae	family	Low	1300	Ralstonia	genus	High	48736
Sutterellaceae	family	High	995019	Roseburia	genus	Low	841
Tissierellaceae	family	High	1737406	Ruminococcus	genus	Low	1263
Verrucomicrobiaceae	family	High	203557	Sellimonas	genus	High	1769710
Adlercreutzia	genus	High	447020	Serratia	genus	Low	613
Agathobacter	genus	Low	1766253	Turidibacter	genus	High	191303
Akkermansia	genus	High	239934	Tyzzera	genus	High	1506577
Alistipes	genus	High	239759	Veillonella	genus	Low	29465
Anaerostipes	genus	Low	207244	Marinilabiliales	order	High	1970189
Anaerotruncus	genus	High	244127	[Clostridium] leptum	species	Low	1535
Barnesiella	genus	Low	397864	Actinomyces oris	species	High	544580
Bifidobacterium	genus	High	1678	Akkermansia muciniphila	species	High	239935
Bilophila	genus	High	35832	Bacteroides fragilis	species	Low	817
Blautia	genus	Low	572511	Bifidobacterium bifidum	species	Low	1681
Butyricoccus	genus	Low	580596	Bifidobacterium dentium	species	High	1689
Butyricimonas	genus	High	574697	Blautia coccoides	species	Low	1532
Butyrvibrio	genus	Low	830	Blautia wexlerae	species	Low	418240
Catabacter	genus	High	270497	Clostridium sporogenes	species	High	1509
Catenisphaera	genus	High	1774107	Escherichia coli	species	High	562
Citrobacter	genus	Low	544	Faecalibacterium prausnitzii	species	Low	853
Collinsella	genus	High	102106	Intestinimonas sp.	species	High	1965293
Coprococcus	genus	Low	33042	Klebsiella pneumoniae	species	High	573
Desulfovibrio	genus	High	872	Klebsiella quasipneumoniae	species	High	1463165
Eggerthella	genus	High	84111	Lactobacillus acidophilus	species	Low	1579
Enterobacter	genus	Low	547	Lancefieldella parvula	species	Low	1382
Escherichia	genus	Low	561	Limosilactobacillus reuteri	species	Low	1598
Eubacterium	genus	Low	1730	Porphyromonas asaccharolytica	species	High	28123
Faecalibacterium	genus	Low	216851	Roseburia intestinalis	species	Low	166486
Fusicatenibacter	genus	Low	1407607	Streptococcus mutans	species	High	1309

Retail Probiotics

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

optibac / bifidobacteria & fibre
 klair labs / biospora
 Energybalance / ColoBiotica 28 Colon Support
 spain (es) / profaes4 edad escolar
 microbiome labs / hu58
 blackmore (au) / probiotics+ bowel support
 perfect pass / perfect pass probiotic bacillus spore
 Bio Schwartz / Advance Strength Probiotics (40 BCFU)
 global health trax / threelac
 bio-botanical research / proflo4r restorative probiotic
 activia drink
 powerlabs (au) / ultra blend
 aor / probiotic-3
 vitamin angels / just thrive
 genestra brands® hm
 INVIVO THERAPEUTICS / Bio.Me IB +
 quality health(au)/ fridge free probiotic 25b
 jarow formulas / bifidus balance® + fos
 organic 3 / primal soil
 SuperSmart / Bacillus Subtilis
 BIO-BOTANICAL RESEARCH / Megacidin
 reserveage nutrition / beautiflora
 amy meyers / primal earth probiotic
 Jetson / Gut Prep
 ferring / vsl#3
 spain (es) / ns defenbiotic kids
 Jetson / FIT
 Prescript-Assist®/SBO Probiotic
 Optibac Probiotics / Bifidobacterium lactis HN019
 spain (es) / profaes4 viajeros
 enviromedica terraflora sbo probiotic
 Jetson (US) / Mood Probiotics
 optibac / for every day max
 HLH BIOPHARMA(DE) / LACTOBACT ® FORTE
 corebiotic
 blackmores (au) / probiotics+ immune defence
 ISCON Elegance/ Ochek Capsule 10
 Nutrition Essentials / Probiotic (900 BCFU)
 mwsb / candida yeast support
 microbiome labs/ megasporebiotic

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.

acetylsalicylic acid,aspirin	imipenem (antibiotic)s
amoxicillin (antibiotic)s[CFS]	isoconazole,(prescription)
animal-based diet	lactobacillus reuteri (probiotics)
auranofin,(prescription)	lactobacillus rhamnosus gg (probiotics)
azithromycin,(antibiotic)s[CFS]	lactobacillus salivarius (probiotics)
bacillus (probiotics)	merbromin
bacitracin (antibiotic)	miconazole,(prescription)
benzylpenicillin sodium (antibiotic)	moxalactam disodium salt (antibiotic)
berberine	moxifloxacin (antibiotic)
bifidobacterium catenulatum,(probiotics)	n-acetyl-d-glucosamine
bifidobacterium longum (probiotics)	neomycin (antibiotic)s[CFS]
bifidobacterium pseudocatenulatum,(probiotics)	nitrofurantoin (antibiotic)
bifonazole,(prescription)	nitrofurantoin (antibiotic)
bile (acid/salts)	non-starch polysaccharides
brown rice	oxethazaine,(prescription)
butoconazole nitrate,(prescription)	oxiconazole nitrate,(prescription)
cefadior hydrate (antibiotic)	pea (fiber, protein)
cefmetazole sodium salt (antibiotic)	perhexiline maleate,(prescription)
cefsulodin sodium salt (antibiotic)	piperacillin-tazobactam (antibiotic)s
ceftazidime (antibiotic)s	polygonatum kingianum(Orange Flower Solomon's Seal.)
cephalothin sodium salt (antibiotic)	Pork
chloramphenicol (antibiotic)s	Psyllium (Plantago Ovata Husk)
chloroxine (antibiotic)	Pulses
cholic acid (bile acid)	raw potato starch
ciprofloxacin (antibiotic)s[CFS]	rifampicin (antibiotic)s
clemizole hydrochloride,(prescription)	rufloxacin (antibiotic)
clioquinol,(prescription)	saccharin
dofazimine (antibiotic)	saccharomyces boulardii (probiotics)
clotrimazole,(prescription)	salt (sodium chloride)
diacerein,(prescription)	sertaconazole nitrate,(prescription)
disodium fumarate (food additive)	sodium butyrate
dopamine (prescription)	sucralose
econazole nitrate,(prescription)	sulconazole nitrate,(prescription)
ethanol	tetracycline (antibiotic)s
etoposide,(prescription)	thimerosal (mercury vacine perservative)
Fisetin	thyme (thymol, thyme oil)
genistein	tioconazole,(prescription)
glycerol monolaurate (Monolaurin)	vancomycin (antibiotic)[CFS]
glycine	vegetarians
Guaiacol (polyphenol)	vitamin d
high resistant starch	walnuts
high salt	wheat
high-fat diets	xylan (prebiotic)

Sample of Literature Used

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Acne
ADHD
Allergic Rhinitis (Hay Fever)
Allergies
Alopecia (Hair Loss)
Alzheimer's disease
Amyotrophic lateral sclerosis (ALS) Motor Neuron
Ankylosing spondylitis
Anorexia Nervosa
Antiphospholipid syndrome (APS)
Asthma
Atherosclerosis
Autism
Autoimmune Disease
Barrett esophagus cancer
Bipolar Disorder

Brain Trauma
Carcinoma
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
Colorectal Cancer
Constipation
Coronary artery disease
COVID-19
Crohn's Disease
cystic fibrosis
deep vein thrombosis
Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy
Fibromyalgia
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus
Generalized anxiety disorder
Gout
Graves' disease
Hashimoto's thyroiditis
Hidradenitis Suppurativa
Histamine Issues From Ubiome
Histamine Issues, Mast Cell Issue, DAO Insufficiency
hypercholesterolemia (High Cholesterol)
hyperglycemia
Hyperlipidemia (High Blood Fats)
hypersomnia
hypertension (High Blood Pressure)
Hypoxia
IgA nephropathy (IgAN)
Inflammatory Bowel Disease
Insomnia
Intelligence
Irritable Bowel Syndrome
Juvenile idiopathic arthritis
Liver Cirrhosis
Long COVID
Lung Cancer
ME/CFS with IBS
ME/CFS without IBS
Menopause
Metabolic Syndrome
Mood Disorders
Multiple Sclerosis
Multiple system atrophy (MSA)
Neuropathy (all types)
neuropsychiatric disorders (PANDAS, PANS)

Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic
NonCeliac Gluten Sensitivity
Obesity
obsessive-compulsive disorder
Osteoarthritis
Osteoporosis
Parkinson's Disease
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder
Psoriasis
rheumatoid arthritis (RA), Spondyloarthritis (SpA)
Rosacea
Schizophrenia
Sjögren syndrome
Sleep Apnea
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