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 *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'**

Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

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Email: Research@MicrobiomePrescription.com

Our Facebook Discussion Page

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
Actinomycetes	class	Low	1760
Clostridia	class	Low	186801
Akkermansiaceae	family	High	1647988
Bifidobacteriaceae	family	High	31953
Christensenellaceae	family	High	990719
Enterobacteriaceae	family	High	543
Enterococcaceae	family	High	81852
Lachnospiraceae	family	Low	186803
Lactobacillaceae	family	High	33958
Pasteurellaceae	family	Low	712
Prevotellaceae	family	Low	171552
Rikenellaceae	family	High	171550
Ruminococcaceae	family	High	541000
Streptococcaceae	family	Low	1300
Sutterellaceae	family	High	995019
Tissierellaceae	family	High	1737406
Verrucomicrobiaceae	family	High	203557
Adlercreutzia	genus	High	447020
Agathobacter	genus	Low	1766253
Akkermansia	genus	High	239934
Alistipes	genus	High	239759
Anaerostipes	genus	Low	207244
Anaerotruncus	genus	High	244127
Barnesiella	genus	Low	397864
Bifidobacterium	genus	High	1678
Bilophila	genus	High	35832
Blautia	genus	Low	572511
Butyricicoccus	genus	Low	580596
Butyricimonas	genus	High	574697
Butyrivibrio	genus	Low	830
Catabacter	genus	High	270497
Catenisphaera	genus	High	1774107
Citrobacter	genus	Low	544
Collinsella	genus	High	102106
Coprococcus	genus	Low	33042
Desulfovibrio	genus	High	872
Eggerthella	genus	High	84111
Enterobacter	genus	Low	547
Escherichia	genus	Low	561
Eubacterium	genus	Low	1730
Faecalibacterium	genus	Low	216851
Fusicatenibacter	genus	Low	1407607
Fusobacterium	genus	Low	848
Intestinimonas	genus	High	1392389
Klebsiella	genus	High	570
Lachnospira	genus	Low	28050
Lactobacillus	genus	High	1578
Methanobrevibacter	genus	High	2172
Oscillospira	genus	High	119852
Parabacteroides	genus	High	375288
Paraprevotella	genus	Low	577309
Peptoclostridium	genus	High	1481960
Porphyromonas	genus	High	836
Prevotella	genus	Low	838
Pseudobutyrivibrio	genus	Low	46205
Ralstonia	genus	High	48736
Roseburia	genus	Low	841
Ruminococcus	genus	Low	1263
Sellimonas	genus	High	1769710
Serratia	genus	Low	613
Turicibacter	genus	High	191303
Tyzzerella	genus	High	1506577
Veillonella	genus	Low	29465
Marinilabiliales	order	High	1970189
[Clostridium] leptum	species	Low	1535
Actinomyces oris	species	High	544580
Akkermansia muciniphila	species	High	239935
Bacteroides fragilis	species	Low	817
Bifidobacterium bifidum	species	Low	1681
Bifidobacterium dentium	species	High	1689
Blautia coccoides	species	Low	1532
Blautia wexlerae	species	Low	418240
Clostridium sporogenes	species	High	1509
Escherichia coli	species	High	562
Faecalibacterium prausnitzii	species	Low	853
Intestinimonas sp.	species	High	1965293
Klebsiella pneumoniae	species	High	573
Klebsiella quasipneumoniae	species	High	1463165
Lactobacillus acidophilus	species	Low	1579
Lancefieldella parvula	species	Low	1382
Limosilactobacillus reuteri	species	Low	1598
Mesorhizobium loti	species	High	381
Porphyromonas asaccharolytica	species	High	28123
Roseburia intestinalis	species	Low	166486
Streptococcus mutans	species	High	1309

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.

bacillus subtilis (probiotics) 10 BCFU/day
cranberry bean flour
fructo-oligosaccharides (prebiotic) 15 gram/day
Glucomannan 700 mg/day
grapes
Human milk oligosaccharides (prebiotic, Holigos, Stachyose) 2 gram/day
ketogenic diet
lactulose
Limosilactobacillus fermentum (probiotic) 12 BCFU/day
metformin (prescription)
pomegranate 1 gram/day
quercetin,resveratrol
raffinose(sugar beet)
resveratrol (grape seed/polyphenols/red wine) 2 gram/day
soy 25 gram/day
whey 60 gram/day

Retail Probiotics

Over 260 retail probiotics were evaluted with the following deem beneficial with no known adverse risks.

- Jetson / FIT
- optibac / for every day
- Prescript-Assist®/SBO Probiotic
- enviromedica terraflora sbo probiotic
- Jetson (US) / Mood Probiotics
- Maple Life Science™ / Lactobacillus fermentum
- corebiotic
- ISCON Elegance/ Ochek Capsule 10
- Nutrition Essentials / Probiotic (900 BCFU)
- mwsb / candida yeast support
- microbiome labs/ megasporebiotic
- optibac / bifidobacteria & fibre
- klaire labs / biospora
- Energybalance / ColoBiotica 28 Colon Support
- BioGaia / Elactia
- microbiome labs /hu58
- Bromatech (IT) / Milonet
- perfect pass / perfect pass probiotic bacillus spore
- Pädia GmbH (DE)/Mambiotic Kapseln
- global health trax / threelac
- Law of Nature / Best Days Formula
- bio-botanical research / proflora4r restorative probiotic
- spain (es) / lactanza hereditum
- powerlabs (au) / ultra blend
- Wholesome Wellness / Raw Probiotic
- aor / probiotic-3
- vitamin angels / just thrive
- reg'activ / immune & vitality
- INVIVO THERAPEUTICS / Bio.Me IB +
- jarrow 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
- Good Start® by Gerber® Breastfeeding Comfort Plus Probiotics
- Thryve L.PCasei Th1, L.PCasei Th2,L.Ferm IBF1, L.acidoph
- Materna® Opti-Lac® Breast Feeding Support

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.

- bifidobacterium catenulatum,(probiotics)
- bifidobacterium pseudocatenulatum,(probiotics)
- bile (acid/salts)
- brown rice
- cellulose (prebiotic)
- chloramphenicol (antibiotic)s
- disodium fumarate (food additive)
- ethanol
- Fisetin
- garlic (allium sativum)
- gluten
- glycerol monolaurate (Monolaurin)
- glycine
- high salt
- lactobacillus plantarum (probiotics)
- lactobacillus reuteri (probiotics)
- lactobacillus rhamnosus gg (probiotics)
- luteolin (flavonoid)
- polygonatum kingianum(Orange Flower Solomon's Seal.)
- Pork
- Psyllium (Plantago Ovata Husk)
- Pulses
- quebracho
- rifampicin (antibiotic)s
- saccharomyces boulardii (probiotics)
- salt (sodium chloride)
- Sodium alginate
- tea
- tetracycline (antibiotic)s
- trimethoprim (antibiotic)s
- vegetarians
- walnuts
- wheat
- white button mushrooms
- xylan (prebiotic)

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Abdominal Aortic Aneurysm
Acne
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
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
Colorectal Cancer
Constipation
Coronary artery disease
COVID-19
Crohn's Disease
cystic fibrosis
deep vein thrombosis
Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy
erectile dysfunction

Fibromyalgia
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
Halitosis
Hashimoto's thyroiditis
Heart Failure
Hemorrhoidal disease, Hemorrhoids, Piles
Hidradenitis Suppurativa
Histamine Issues
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
Juvenile idiopathic arthritis
Liver Cirrhosis
Long COVID
Low bone mineral density
Lung Cancer
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
Polycystic ovary syndrome
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder

primary biliary cholangitis
Psoriasis
rheumatoid arthritis (RA),Spondyloarthritis (SpA)
Rosacea
Schizophrenia
scoliosis
sensorineural hearing loss
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