

Microbiome Information for: Cerebral Palsy

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 Cerebral Palsy

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

Akkermansia	genus	High	239934
Anaerostipes	genus	Low	207244
Bacteroides	genus	High	816
Bifidobacterium	genus	High	1678
Blautia	genus	Low	572511
Clostridium	genus	High	1485
Enterococcus	genus	High	1350
Faecalibacterium	genus	Low	216851
Oscillibacter	genus	High	459786

Bacteria Name Rank Shift Taxonomy ID

Parasutterella	genus	Low	577310
Prevotella	genus	High	838
Roseburia	genus	Low	841
Rothia	genus	High	508215
Rothia	genus	High	32207
Ruminococcus	genus	Low	1263
Streptococcus	genus	High	1301
Veillonella	genus	High	29465
Pseudomonas aeruginosa	species	High	287

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.

(2->1)-beta-D-fructofuranan {Inulin} 32 gram/day

Bifidobacterium animalis subsp. lactis {B. Lactis} 1 BCFU/day

dietary fiber

Fiber, total dietary

fructo-oligosaccharides 15 gram/day

fruit

fruit/legume fibre

Human milk oligosaccharides (prebiotic, Holigos, Stachyose) 2

gram/day

Lactobacillus plantarum {L. plantarum} 60 BCFU/day

oligosaccharides {oligosaccharides}

Outer Layers of Triticum aestivum {Wheat Bran}

pectin {pectin}

Slow digestible carbohydrates. {Low Glycemic}

synthetic disaccharide derivative of lactose {Lactulose}

Retail Probiotics

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

ferring / vsl#3
 lifted naturals / mood boosting probiotic
 optibac / bifidobacteria & fibre
 organic 3 / gutpro
 jarow formula / ideal bowel support® lp299v®
 jarow formulas / bifidus balance® + fos
 naturopathica (au) / gastrohealth probiotic dairy free 50 billion
 naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu
 blackmores (au) / probiotics+ immune defence
 Bio Schwartz / Advance Strength Probiotics (40 BCFU)
 HMF Metabolic
 nature's way (au) / restore probiotic bowel & colon health 30s
 nature's way (au) / restore probiotic daily health 90s
 nature's way (au) / restore probiotic 30 billion 30s
 blackmores (au) / probiotics + adults daily (90 capsules)
 Immune Defense Daily Chewable Probiotic
 Nature's Lab Cardio
 Nature's Lab Intensive GI
 Purica Probiotic Cardio
 Purica Probiotic Intensive GI
 Symprove™
 UltraFlora® Control
 UltraFlora® Immune Booster
 UltraFlora® Intensive Care
 Maple Life Science™ / Lactobacillus plantarum
 Maple Life Science™ / Bifidobacterium Animalis
 Wakunaga / Max Probiotic
 Bulk Probiotics / L. Plantarum Probiotic Powder
 Metabolics / Lactobacillus Plantarum Powder
 ImmuneBiotech Medical Sweden AB / GutMagnific®
 Bromatech (IT) / Adomelle
 Smidge / Sensitive Probiotic
 Ombre / Mood Enhancer
 Ombre / Heart Health
 Ombre / Ultimate Immunity
 Optibac Probiotics / Bifidobacterium lactis HN019
 PoolPharma (IT) / ProbioTKMIO
 ProbioMax® Daily DF
 Resbiotic / resB® Lung Support
 SuperSmart / Candalb
 SuperSmart / Lactobacillus Plantarum Postbiotic (Pasturized)
 ISCON Elegance/ Ochek Capsule 10
 Bromatech(IT) / FEMELLE
 Floradapt Cardio
 Floradapt Gut Comfort
 FloraVantage® Balance
 FloraVantage® Control
 HMF Forte
 HMF IBS Relief
 HMF Intensive
 blackmore (au) / probiotics+ bowel support
 blackmore (au) / probiotics+ eczema relief
 blackmore (au) / probiotics+ daily health
 Seeking Health / Probiota HistaminX

CustomProbiotics.com / L. Plantarum Probiotic Powder
HLH BIOPHARMA(DE) / LACTOBACT ® FORTE
HLH BIOPHARMA(DE) / LACTOBACT ® LDL-CONTROL
OMNI-BIOTIC®/ 10 AAD
LiveWell Nutrition / Pro-45
Swiss BioEnergetics / Full Spectrum Probiotic Defence
NaturalPharma / Profit Probiotics
Nutrition Essentials / Probiotic (900 BCFU)
quality health(au)/ fridge free probiotic 25b
custom probiotics / four strain lactobacilli
custom probiotics / six strain probiotic powder
naturopathica (au) / gastrohealth fibrepro
naturopathica (au) / gastrohealth probiotic ultimate daily care 100billion
up4 / adult
up4 / women's
biospec / probiotio-5
zint nutrition / probiotic collagen +
seed / male version
klaire labs / ther-biotic factor 4
solaray / mycrobioime probiotic colon formula
spain (es) / l3.1
spain (es) / profaes4 viajeros
spain (es) / vivomixx
spain (es) / ns defenbiotic kids
spain (es) / profaes4 edad escolar
Activia®
genestra brands® hm
goodbelly drink
young living/life 9
optibac / for every day
optibac / for every day max
optibac / for your cholesterol

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.

allium sativum {garlic}	high-fat diets
amoxicillin [CFS]	Honey {Honey }
ampicillin [CFS]	imipenem
Azadirachta indica {Neem}	Lactisacibacillus casei {L. casei}
benzylpenicillin sodium (antibiotic)	meropenem
Capsicum annuum {Peppers} {Cayenne Pepper, Hot Pepper}	minocycline [CFS]
ceftazidime	Ocimum basilicum {Basil}
Cinnamomum zeylanicum {Ceylon Cinnamon}	Pimpinella anisum {Anise}
ciprofloxacin [CFS]	piperacillin-tazobactam
clindamycin [CFS]	Propolis {Bee glue}
Curcuma amada {Mango ginger}	Saccharomyces cerevisiae var boulardii {S. boulardii}
Curcuma longa {Turmeric}	Sus domesticus {Pork}
Cymbopogon citratus {Lemongrass}	syzygium aromaticum {clove}
D-(-)-Fructose {Fruit sugar}	Thymus vulgaris {thyme}
Diferuloylmethane {Curcumin}	tobramycin
gentamicin	Zingiber officinale Roscoe {ginger}

Sample of Literature Used

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Denture Wearers Oral Shifts
Depression
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Epilepsy
erectile dysfunction
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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
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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

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Tic Disorder

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Type 2 Diabetes

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