

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 *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 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	Low	816
Bifidobacterium	genus	High	1678
Blautia	genus	Low	572511
Clostridium	genus	High	1485
Enterococcus	genus	High	1350

Bacteria Name Rank Shift Taxonomy ID

Faecalibacterium	genus	Low	216851
Parasutterella	genus	Low	577310
Roseburia	genus	Low	841
Rothia	genus	High	32207
Rothia	genus	High	508215
Ruminococcus	genus	Low	1263
Streptococcus	genus	High	1301
Veillonella	genus	High	29465

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.

bifidobacterium animalis lactis (probiotics) 1 BCFU/day	linseed(flaxseed) 30 mg/day
cannabinoids	low carbohydrate diet
clostridium butyricum (probiotics),Miya,Miyarisan 1 gram/day	mannooligosaccharide (prebiotic) 8 gram/day
cranberry bean flour	metformin (prescription)
d-ribose 10 gram/day	Olive Oil
enterococcus faecium (probiotic) 1 BCFU/day	pomegranate 1 gram/day
fructo-oligosaccharides (prebiotic) 15 gram/day	proton-pump inhibitors (prescription) 60 mg/day
Glucomannan 700 mg/day	raffinose(sugar beet)
grape polyphenols	resveratrol (grape seed/polyphenols/red wine) 2 gram/day
grapes	sesame cake/meal
green tea	Shen Ling Bai Zhu San
ketogenic diet	Slippery Elm
lactulose	vitamin a 25000 IU/day
	Vitamin B9,folic acid 5 mg/day

Retail Probiotics

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

aor / probiotic-3
HLH BIOPHARMA(DE) / LACTOBACT ® FORTE
optibac / bifidobacteria & fibre
miyarian (jp) / miyarian
spain (es) / profaes4 edad escolar
speer labs / emuaid first defense
bioflorin (deu) / bioflorin
activia drink
ISCON Elegance/ Ochek Capsule 10
Nutrition Essentials / Probiotic (900 BCFU)
mwsb / candida yeast support
Sun Wave Pharma/Bio Sun Instant
genestra brands® hm
Pharmextracta (IT) / iNatal DUO sachets
INVIVO THERAPEUTICS / Bio.Me IB +
PharmExtracta (IT) / Butirisan
quality health(au)/ fridge free probiotic 25b
spain (es) / ns defenbiotic kids
optibac / for every day
Pendulum / Pendulum Glucose Control
Optibac Probiotics / Bifidobacterium lactis HNO19
spain (es) / profaes4 viajeros
Pharmextracta (IT) / iNatal PED stick
klaire labs / ther-biotic factor 4
optibac / for every day max
PoolPharma (IT) / ProbioTKMIO

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.

ampicillin (antibiotic)s[CFS]

animal-based diet

arabinogalactan (prebiotic)

benzylpenicillin sodium (antibiotic)

berberine

Curcumin

glycerol monolaurate (Monolaurin)

inulin (prebiotic)

lactobacillus casei (probiotics)

lactobacillus plantarum (probiotics)

lactobacillus rhamnosus gg (probiotics)

minocycline (antibiotic)s[CFS]

piperacillin-tazobactam (antibiotic)s

Psyllium (Plantago Ovata Husk)

Pulses

resistant maltodextrin

resistant starch

rifaximin (antibiotic)s

saccharin

saccharomyces boulardii (probiotics)

salt (sodium chloride)

vancomycin (antibiotic)[CFS]

vitamin d

walnuts

xylan (prebiotic)

Sample of Literature Used

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Allergies
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Ankylosing spondylitis
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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