

Microbiome Information for: Neuropathy (all types)

For non-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/>)

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

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 Neuropathy (all types)

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
Bacteroides	genus	Low	816
Blautia	genus	High	572511
Borrelia	genus	High	138
Butyricimonas	genus	Low	574697
Chlamydia	genus	High	810
Christensenella	genus	High	990721
Corynebacterium	genus	Low	1716
Eggerthella	genus	High	84111
Escherichia	genus	Low	561
Faecalibacterium	genus	Low	216851
Helicobacter	genus	High	209

Bacteria Name Rank Shift Taxonomy ID

Ignatzschineria	genus	Low	112008
Lactobacillus	genus	High	1578
Megamonas	genus	High	158846
Parabacteroides	genus	Low	375288
Phascolarctobacterium	genus	High	33024
Roseburia	genus	Low	841
Rothia	genus	High	508215
Rothia	genus	High	32207
Streptococcus	genus	High	1301
Eubacteriales	order	High	186802
Collinsella aerofaciens	species	Low	74426
Faecalibacterium prausnitzii	species	Low	853
Odoribacter splanchnicus	species	Low	28118

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.

5,6-dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-

a]quinolizinium {Berberine} 1.5 gram/day

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

3,3',4',5,7-pentahydroxyflavone {Quercetin} 2 gram/day

Avena sativa x Hordeum vulgare {barley,oat}

bacillus

bacillus subtilis {B.Subtilis } 10 BCFU/day

Bovine Milk Products {Dairy}

enterococcus faecium {E. faecium} 1 BCFU/day

fruit

Hordeum vulgare {Barley} 60 gram/day

Lactocaseibacillus casei {L. casei} 48 BCFU/day

Lactocaseibacillus paracasei {L.paracasei} 40 BCFU/day

lactobacillus acidophilus {L. acidophilus} 20 BCFU/day

Lactobacillus plantarum {L. plantarum} 60 BCFU/day

Limosilactobacillus fermentum {L. fermentum} 12 BCFU/day

Limosilactobacillus reuteri {L. Reuteri} 22 BCFU/day

oligosaccharides {oligosaccharides}

Panax ... {Ginseng} 2000 mg/day

polyphenols 3 gram/day

Probiotic Mixture 2 {Vetafarm Probiotic}

yogurt

Retail Probiotics

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

Global Healing Center / FloraTrex
 Garden of Life / Dr. Formulated Once Daily Women's
 SuperSmart / Full Spectrum Probiotic Formula
 natviehealthcare.com/Renewbiome Mega
 vita miracle / ultra-30 probiotics
 hyperbiotics / pro-15
 nature's way (au) / restore probiotic 100 billion
 garden of life / primal defense
 newrhythm / probiotics 20 strains
 Physician Choice / 60 Billion Probiotics
 Advanced Bio-Cultures / Advance Multi Strain Probiotics
 Ombre / Healthy Gut
 Wholesome Wellness / Raw Probiotic
 Lake Avenue Nutrition / Probiotics 10 Strain Blend
 Probiotic 10 Billion Active Cells Daily Maintenance
 jarro formulas / jarro-dophilus® ultra
 elixa / probiotic
 renew life / ultimate flora
 naturopathica (au) / gastrohealth probiotic dairy free 50 billion
 bioglan bio (au) / happy probiotic 100
 bioglan bio (au) / happy probiotic 50
 Windlove Probiotics / Ecologic®825
 Jetson (US) / Immunity Probiotics
 OMNI-BIOTIC®/ 10 AAD
 7 AM Ultra Probiotics
 nature's bounty / probioti 10
 quantum wellness / restora flora
 renew life men's probiotic - ultimate
 bioray / cytoflora
 seed / female version
 solaray / microbiome probiotic colon formula
 organic 3 / primal gut
 up4 / ultra
 douglas laboratories / multi probiotic 40 billion
 theramedix / probiotic
 vinco / probiotic eight 65
 probiotic pur (de) / realdose nutrition
 spain (es) / vivomixx
 visbiome
 ferring / vsl#3
 fairvital / microflora basic
 fürstenmed / lacto-bifido
 udo's choice / super 8 gold
 seed / male version
 HLH BIOPHARMA(DE) / LACTOBACT ® PREMIUM
 OMNI-BIOTIC®/ TRAVEL
 Thryve Inside/ L.Reu,Rham,Casi; B.Lactis
 Thryve L.PCasei Th1, L.PCasei Th2,L.Ferm IBF1, L.acidoph
 HLH BIOPHARMA(DE) / LACTOBACT ® OMNI FOS
 Jetson / FIT
 blackmore (au) / probiotics+ daily health
 Realdose
 blackmores (au) / probiotics + adults daily (90 capsules)
 ASEA VIA / BIOME

naturopathica (au) / gastrohealth probiotic ultimate daily care 100billion
 nature's way (au) / restore probiotic bowel & colon health 30s
 naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu
 1 md / complete probiotics platinum
 jarow formula / jarro-dophilus original
 Northwest Natural Products / PB8
 Symprove™
 Wakunaga / Max Probiotic
 Dr. Mercola / Complete Probiotics
 MegaFood / MegaFlora
 SuperSmart / Probio Forte
 Bio Schwartz / Advance Strength Probiotics (40 BCFU)
 Physis / Advance Probiotics
 Invivo / Bio.Me Femme UT
 Ombre / Metabolic Booster
 Bromatech (IT) / Rotanelle plus
 Bromatech (IT) / Milonet
 Bromatech (IT) / Adomelle
 Bromatech (IT) / Aflugenex
 Bromatech (IT) / Citogenex
 Bromatech (IT) / Enterelle
 Swiss BioEnergetics / Full Spectrum Probiotic Defence
 Sash Vitality / Bio-Cultures Probiotics for Adults
 NaturalPharma / Profit Probiotics
 SuperSmart / Lactoxira
 SuperSmart / Vaginal Health
 PharmExtracta (IT) / INatal Sachets
 Schwabe Pharma Italia / EnteroDophilus
 Bromatech / ENTERELLE PLUS
 Bromatech(IT) / FEMELLE
 ProbioMax® Daily DF
 Resbiotic / resB® Lung Support
 SuperSmart / Candalb
 SuperSmart / Derma Relief
 NOW FOODS / Clinical GI Probiotic
 Krauterhaus / Lactopro
 Bromatech (IT) / Psicobrain
 INVIVO THERAPEUTICS / Bio.Me IB +
 Bioflora (Mx) / BIOFLORA / 30 BILLION 10 strains
 Bioflora (MX) / BIOFLORAMX / 50 BILLION 10 Strains
 Bioflora(MX) / Woman
 UltraFlora® Immune Booster
 UltraFlora® Restore
 Schiff® Digestive Advantage® Advanced Probiotics Multi-Strain Support
 HMF Metabolic
 Immune Defense Daily Chewable Probiotic
 jarow formula / ideal bowel support® lp299v®
 zint nutrition / probiotic collagen +
 just for tummies / live bacteria
 bravo europe / starter and complex
 bravo europe / freeze-dried bravo
 naturopathica (au) / gastrohealth women's probiotic with cranberry
 naturopathica (au) / gastrohealth fibrepro
 nature's way (au) / restore probiotic daily health 90s
 blackmores (au) / probiotics+ immune defence
 nature's way (au) / restore probiotic 30 billion 30s
 ecology_allergycare
 HLH BIOPHARMA(DE) / LACTOBACT ® 60PLUS

LiveWell Nutrition / Pro-45
lifted naturals / mood boosting probiotic
aor / probiotic-3
custom probiotics / four strain lactobacilli
custom probiotics / six strain probiotic powder
speer labs / emuaid first defense
jarrow formulas / jarro-dophilus eps
klaire labs / target gb-x
jamieson (can) / probiotic 10 bcfu
mwsb / candida yeast support
young living/life 9
bio-k+
powerlabs (au) / ultra blend
up4 / adult
up4 /women's
solgar / advanced multi-billion dophilus
solgar / advanced 40+ acidophilus
solgar / advanced acidophilus plus
biospec / probiotic-5
anabolic laboratories / probiotic complete
shin biofermin (jp) /s
organic 3 / primal soil
microbiome labs /hu58
microbiome labs / restorflora
organic 3 / gutpro
danactive drink
genestra brands@ hm
goodbelly drink
gnc / ultra probiotic complex
spain (es) / aquilea intimus
spain (es) / lactanza hereditum
spain (es) / profaes4 edad escolar
optibac / for women
optibac / for every day
optibac / for every day max
optibac / for your cholesterol
optibac / for those on antibiotics
optibac / for daily immunity
bioflorin (deu) / bioflorin
cytoplan(uk) /dentavital bifidophilus
klaire labs / biospora
spain (es) / casenbiotic
spain (es) / gum periobalance
spain (es) / gastrus
spain (es) / reuteri gotas
spain (es) / l3.1
spain (es) / profaes4 viajeros
jarrow formulas / fem dophilus
global health trax / threelac
enviromedica terraflora sbo probiotic
nature's instincts / ultra spore probiotic
natren / healthy trinity probiotic
natren / megadophilus
reg'activ / immune & vitality
bayer / trubiotics daily probiotic
vitamin angels / just thrive
microbiome labs/ megasporebiotic
perfect pass / perfect pass probiotic bacillus spore

Jetson / Gut Prep
 HLH BIOPHARMA(DE) / LACTOBACT ® AAD
 HLH BIOPHARMA(DE) / LACTOBACT ® FORTE
 HLH BIOPHARMA(DE) / LACTOBACT ® LDL-CONTROL
 blackmore (au) / probiotics+ bowel support
 blackmore (au) / probiotics+ eczema relief
 blackmore (au) / probiotics+ womens flora balance
 Nu U (uk) /Bio-Cultures Complex
 Jetson (US) / Mood Probiotics
 Seeking Health / Probiota HistaminX
 Pädia GmbH (DE)/Mambiotic Kapseln
 CustomProbiotics.com / L. Acidophilus Probiotic Powder
 CustomProbiotics.com / L. Casei Probiotic Powder
 CustomProbiotics.com / L. Paracasei Probiotic Powder
 CustomProbiotics.com / L. Plantarum Probiotic Powder
 CustomProbiotics.com / L. Reuteri Probiotic Powder
 nature's way (au) / restore probiotic choc balls 60s
 bioglan (au) / healthy kids probiotic choc balls 50s
 quality health (au) / fridge free* probiotic 60s
 quality health(au)/ fridge free probiotic 25b
 naturopathica (au) / gastrohealth antacid
 naturopathica (au) / gastrohealth probiotic adults 50+
 bioglan bio (au/ happy probiotic 25
 bio-botanical research / proflora4r restorative probiotic
 reserveage nutrition / beautiflora
 amy meyers / primal earth probiotic
 jarow formulas / fem-dophilus®
 jarow formulas / bifidus balance® + fos
 trubiotics / one a day
 corebiotic
 Materna® Opti-Lac® Breast Feeding Support
 Microbiome Plus+™ Gastrointestinal
 Nature's Lab Cardio
 Nature's Lab Intensive GI
 Purica Probiotic Cardio
 Purica Probiotic Intensive GI
 Law of Nature / Best Days Formula
 BioGaia / Elactia
 Floradapt Cardio
 Floradapt Gut Comfort
 FloraVantage® Balance
 Good Start® by Gerber® Breastfeeding Comfort Plus Probiotics
 HMF Forte
 HMF IBS Relief
 HMF Intensive
 Maple Life Science™ / Lactobacillus plantarum
 Maple Life Science™ / Lactobacillus fermentum
 Maple Life Science™ / Lactobacillus reuteri
 UltraFlora® Intensive Care
 UltraFlora® Balance
 Bulk Probiotics / L. Reuteri Probiotic Powder
 Bulk Probiotics / L. Plantarum Probiotic Powder
 Bulk Probiotics / L. Paracasei Probiotic Powder
 Bulk Probiotics / L. Fermentum Probiotic Powder
 Bulk Probiotics / L. Casei Probiotic Powder (Candida Support)
 Bulk Probiotics / L. Acidophilus Probiotic Powder
 Bulk Probiotics / Bacillus Subtilis Probiotic
 natviehealthcare.com/Renewbiome Bacillus

Steris Pharma(IN)/OXABACTOR
BIO-BOTANICAL RESEARCH / Megacidin
Bromatech (IT) / Ramnoselle
CVSHealth / Daily Probiotic
SuperSmart / H. Pylori Fight
SuperSmart / Lactobacillus Plantarum Postbiotic (Pasturerized)
SuperSmart / Lactobacillus reuteri
Energybalance / ColoBiotica 28 Colon Support
BioGaia / BioGaia Osfortis
BioGaia / BioGaia Products
Botica Alternativa / Lactobacilos Reuteri
Pharmextracta (IT) / iNatal DUO sachets
Pharmextracta (IT) / iNatal PED stick
Eden's / 3-in-1 Synbiotic Superblend
ISCON Elegance/ Ochek Capsule 10
VSL Pharmaceuticals / Oxadrop
Microbiome Labs / MEGA Genesis
PharmExtracta (IT) / FG5 Forte In Sachets
SuperSmart / Oral Health
SuperSmart / Bacillus Subtilis
JGL / Lactogyn
ImmuneBiotech Medical Sweden AB / GutMagnific®
Bromatech (IT) / Acronelle
Nature's Bounty / Acidophilus Probiotic
RepHresh / Pro-B Probiotic Supplement for Women
Prescript-Assist®/SBO Probiotic
Metabolics / Lactobacillus Acidophilus
Metabolics / Lactobacillus Plantarum Powder
Bromatech (IT) / Lautoselle
Bromatech (IT) / Pilorex
Smidge / Sensitive Probiotic
Biorela® Daily
Ombre / Mood Enhancer
Ombre / Heart Health
Ombre / Ultimate Immunity
Ombre / Restore
Ombre / Harmony

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.

Azadirachta indica {Neem}

Disodium fumarate {Fumaric acid disodium salt}

enterococcus durans {Streptococcus durans}

Ethyl alcohol {Grain alcohol}

Ferrum {Iron Supplements}

Humulus lupulus compound {Xanthohumol}

N-(phosphonomethyl)glycine {glyphosate}

Ocimum tenuiflorum {Tulsi}

Prunus mume {Umeboshi}

Sodium Chloride {Salt}

steviol glycosides {Stevia}

Sucralose {Splenda}

Sus domesticus {Pork}

Ulmus rubra {slippery elm}

Sample of Literature Used

The following are the most significant of the studies used to generate these suggestions.

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Authors Jia S,Mi H,Su Y,Liu Y,Ming Z,Lin J

Gut dysbiosis in patients with chronic pain: a systematic review and meta-analysis.

Frontiers in immunology , Volume: 15 2024

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Authors Ye Y,Jiang X,Jiang Y,Zhang L,Han B,Wang Y,Liu P,Lu X,Zhang C

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Additional APriori Analysis Available

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Abdominal Aortic Aneurysm

Acne

Addison's Disease (hypocortisolism)

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
Biofilm
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
Cognitive Function
Colorectal Cancer
Constipation
Coronary artery disease
COVID-19
Crohn's Disease
Cushing's Syndrome (hypercortisolism)
cystic fibrosis
d-lactic acidosis (one form of brain fog)
deep vein thrombosis
Denture Wearers Oral Shifts
Depression
Dermatomyositis
Eczema
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

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
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
Vitiligo