

Microbiome Information for: giant cell arteritis

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

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Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of giant cell arteritis

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			
Clostridiaceae	family	High	31979	Desulfovibrio	genus	Low	872
Clostridium	genus	Low	1485	Bacteroidales	order	High	171549

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

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.

- Lactobacillus acidophilus** {**L. acidophilus**} 20 BCFU/day
- Lactobacillus plantarum** {**L. plantarum**} 60 BCFU/day
- Limosilactobacillus fermentum** {**L. fermentum**} 12 BCFU/day
- long-term, moderate-intensity exercise** {**exercise**}
- L-Theanine** {**Theanine**}
- Morinda citrifolia** {**Noni**} 6 gram/day
- polyphenols** 3 gram/day
- Punica granatum** {**pomegranate**} 1 gram/day
- Saccharomyces cerevisiae var boulardii** {**S. boulardii**} 6 BCFU/day
- Slow digestible carbohydrates.** {**Low Glycemic**}
- β-glucan** {**Beta-Glucan**} 500 mg/day
- vitamin d** 50000 IU/day

Retail Probiotics

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

Global Healing Center / FloraTrex
 theramedix / probiotic
 SuperSmart / Full Spectrum Probiotic Formula
 vita miracle / ultra-30 probiotics
 Physician Choice / 60 Billion Probiotics
 Garden of Life / Dr. Formulated Once Daily Women's
 hyperbiotics / pro-15
 nature's way (au) / restore probiotic 100 billion
 Dr. Mercola / Complete Probiotics
 Physis / Advance Probiotics
 OMNI-BIOTIC®/ TRAVEL
 organic 3 / primal gut
 Ombre / Healthy Gut
 1 md / complete probiotics platinum
 OMNI-BIOTIC®/ 10 AAD
 young living/life 9
 Wakunaga / Max Probiotic
 MegaFood / MegaFlora
 solaray / mycrobioime probiotic colon formula
 Northwest Natural Products / PB8
 naturopathica (au) / gastrohealth probiotic dairy free 50 billion
 custom probiotics / six strain probiotic powder
 naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu
 HMF Metabolic
 blackmores (au) / probiotics+ immune defence
 Bioflora (MX) / BIOFLORAMX / 50 BILLION 10 Strains
 renew life men's probiotic - ultimate
 garden of life / primal defense
 quantum wellness / restora flora
 newrhythm / probiotics 20 stains
 Swiss BioEnergetics / Full Spectrum Probiotic Defence
 probiotic pur (de) / realdose nutrition
 Windlove Probiotics / Ecologic®825
 ASEA VIA / BIOME
 Wholesome Wellness / Raw Probiotic
 udo's choice /super 8 gold
 LiveWell Nutrition / Pro-45
 bioglan bio (au) / happy probiotic 100
 Realdose
 douglas laboratories / multi probiotic 40 billion
 up4 / adult
 nature's way (au) / restore probiotic bowel & colon health 30s
 Advanced Bio-Cultures / Advance Multi Strain Probiotics
 elixa / probiotic
 bioray / cytoflora
 renew life / ultimate flora
 up4 / ultra
 Bromatech (IT) / Enterelle
 Bioflora (Mx) / BIOFLORA / 30 BILLION 10 strains
 ProbioMax® Daily DF
 Jetson (US) / Immunity Probiotics
 spain (es) / vivomixx
 genestra brands® hm
 visbiome

Bromatech (IT) / Acronelle
HMF Intensive
SuperSmart / Lactoxira
zint nutrition / probiotic collagen +
Smidge / Sensitive Probiotic
Krauterhaus / Lactopro
fürstenmed / lacto-bifido
naturopathica (au) / gastrohealth probiotic ultimate daily care 100billion
nature's way (au) / restore probiotic daily health 90s
Bromatech(IT) / FEMELLE
HLH BIOPHARMA(DE) / LACTOBACT ® PREMIUM
SuperSmart / Candalb
custom probiotics / four strain lactobacilli
jarrow formula / jarro-dophilus original
blackmores (au) / probiotics + adults daily (90 capsules)
Lake Avenue Nutrition / Probiotics 10 Strain Blend
Probiotic 10 Billion Active Cells Daily Maintenance
7 AM Ultra Probiotics
naturopathica (au) / gastrohealth fibrepro
Ombre / Endless Energy
Jetson / FIT
Seeking Health / Probiota HistaminX
bravo europe / starter and complex
jamieson (can) / probiotic 10 bcfu
shin biofermin (jp) /s
Thryve L.PCasei Th1, L.PCasei Th2,L.Ferm IBF1, Lacidoph
ferring / vsl#3
Resbiotic /resB® Lung Support
klair labs / target gb-x
jarrow formulas / jarro-dophilus® ultra
Symprove™
seed / female version
jarrow formula / ideal bowel support® lp299v®
HLH BIOPHARMA(DE) / LACTOBACT ® 60PLUS
SuperSmart / Probio Forte
organic 3 / gutpro
spain (es) / profaes4 viajeros
spain (es) / profaes4 edad escolar
Bromatech / ENTERELLE PLUS
Invivo / Bio.Me Femme UT
blackmore (au) / probiotics+ bowel support
Bromatech (IT) / Milonet
NaturalPharma / Profit Probiotics
Ombre / Metabolic Booster
Bromatech (IT) / Adomelle
nature's bounty / probioti 10
HMF Forte
up4 / women's
Nu U (uk) / Bio-Cultures Complex
HMF IBS Relief
speer labs / emuaid first defense
nature's way (au) / restore probiotic 30 billion 30s
blackmore (au) / probiotics+ daily health
vinco / probiotic eight 65
HLH BIOPHARMA(DE) / LACTOBACT ® OMNI FOS
ecology_allergycare
gnc / ultra probiotic complex
NOW FOODS / Clinical GI Probiotic

natren / healthy trinity probiotic
seed / male version
lifted naturals / mood boosting probiotic
cytoplan(uk) / dentavital bifidophilus
bioglan bio (au) / happy probiotic 50
HLH BIOPHARMA(DE) / LACTOBACT ® LDL-CONTROL
powerlabs (au) / ultra blend
Genesis Bifidobacterium Complex BB Probiotic
Purica Probiotic Cardio
Bulk Probiotics / Saccharomyces boulardii Probiotic Powder (Digestive Support)
nature's instincts / ultra spore probiotic
Biorela® Daily
Bulk Probiotics / L. Acidophilus Probiotic Powder
spain (es) / lactanza hereditum
Eden's / 3-in-1 Synbiotic Superblend
Bromatech (IT) / Ramnoselle
spain (es) / axiboulardi
solgar / advanced acidophilus plus
Wakunaga / Pro+ Synbiotic
Floradapt Cardio
biospec / probiotic-5
just for tummies / live bacteria
Ombre / Harmony
UltraFlora® Immune Booster
Bioflora(MX) / Woman
fairvital / microflora basic
Energybalance / ColoBiotica 28 Colon Support
naturopathica (au) / gastrohealth women's probiotic with cranberry
custom probiotics / b. lactis & b. bifidum probiotic powder
BioGaia / Elactia
microbiome labs/ megasporebiotic
nature's way (au) / restore probiotic choc balls 60s
Pädia GmbH (DE)/Mambiotic Kapseln
quality health (au) / fridge free* probiotic 60s
UltraFlora® Intensive Care
Schwabe Pharma Italia / AxiBoulardi
natren / bifido factor
SuperSmart / Derma Relief
SuperSmart / Saccharomyces Boulardii
anabolic laboratories / probiotic complete
trubiotics / one a day
Maple Life Science™ / Lactobacillus plantarum
Bulk Probiotics / B. Bifidum Probiotic Powder (Anxiety Support)
bravo europe / freeze-dried bravo
goodbelly drink
Schiff® Digestive Advantage® Advanced Probiotics Multi-Strain Support
Ombre / Heart Health
klair labs / ther-biotic factor 4
optibac / saccharomyces boulardii
Bromatech (IT) / Bifiselle
Wakunaga / Daily Probiotic
wakamoto (jp) / wakamoto pharmaceutical intestinal drug
custom probiotics / five strain bifidobacteria
spain (es) / ultralevura
Maple Life Science™ / Lactobacillus fermentum
optibac / for every day max
Bromatech (IT) / Citogenex
FloraVantage® Balance

ImmuneBiotech Medical Sweden AB / GutMagnific®
organic 3 / yeastbiotic
Wakunaga / 50+
CVSHealth / Daily Probiotic
CustomProbiotics.com / L. Plantarum Probiotic Powder
Metabolics / Bifidobacterium Bifidum Powder
Materna® Opti-Lac® Breast Feeding Support
jarrow formulas / jarro-dophilus eps
bioglan bio (au) / happy probiotic 25
Wakunaga / Kyo-Dophilus® Multi 9 Probiotic
Bromatech (IT) / Lautoselle
Good Start® by Gerber® Breastfeeding Comfort Plus Probiotics
optibac / for those on antibiotics
Bulk Probiotics / L. Plantarum Probiotic Powder
spain (es) / I3.1
bioglan (au) / healthy kids probiotic choc balls 50s
Thryve Inside/ L.Reu,Rham,Casi; B.Lactis
solgar / advanced 40+ acidophilus
Nature's Bounty / Acidophilus Probiotic
phillips / colon health
Sash Vitality / Bio-Cultures Probiotics for Adults
blackmore (au) / probiotics+ eczema relief
imagilin / NutriLots Replenish
Metabolics / Lactobacillus Acidophilus
SuperSmart / Vaginal Health
Schwabe Pharma Italia / EnteroDophilus
UltraFlora® Restore
natren / megadophilus
VSL Pharmaceuticals / Oxadrop
Bromatech (IT) / Rotanelle plus
Immune Defense Daily Chewable Probiotic
solgar / advanced multi-billion dophilus
bio-k+
Bulk Probiotics / L. Fermentum Probiotic Powder
PharmExtracta (IT) / FG5 Forte In Sachets
Bromatech (IT) / Aflugenex
microbiome labs / restorflora
Bromatech (IT) / Pilorex
Maple Life Science™ / Bifidobacterium Bifidum
Metabolics / Lactobacillus Plantarum Powder
Nature's Lab Cardio
Bromatech (IT) / Psicobrain
Nature's Lab Intensive GI
HLH BIOPHARMA(DE) / LACTOBACT ® AAD
customprobiotics.com / B. Bifidum Probiotic Powder
naturopathica (au) / gastrohealth probiotic adults 50+
Ombre / Mood Enhancer
florastor / florastor
UltraFlora® Balance
Seeking Health / Probiota Bifidobacterium
reg'activ / immune & vitality
CustomProbiotics.com / L. Acidophilus Probiotic Powder
Purica Probiotic Intensive GI
Ombre / Ultimate Immunity
SuperSmart / Lactobacillus Plantarum Postbiotic (Pasturized)
Floradapt Gut Comfort
quality health(au) / fridge free probiotic 25b
optibac / for your cholesterol

bayer / trubiotics daily probiotic

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.

2-Amino-4-(methylthio)butanoic acid {Methionine}	fructo-oligosaccharides
α -Amino-3-indolepropionic acid {Tryptophan}	Heridium erinaceus {Lion's Mane Mushroom }
Below normal temperature {Cold exposure}	high-fat diets
bifidobacterium pseudocatenulatum {B. pseudocatenulatum }	Linum usitatissimum {Flaxseed}
d-galactose {milk sugar}	nicotinic acid {Vitamin B-3}
Dihydroquercetin {Taxifolin}	Panax ... {Ginseng}
Fiber of Vitis vinifera {Grape Fiber}	pectin {pectin}
	Tobacco consumption {Smoking}

Sample of Literature Used

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Impact of a High-Fat Diet on the Gut Microbiome: A Comprehensive Study of Microbial and Metabolite Shifts During Obesity.

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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

cdk15 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
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