

Microbiome Information for: Juvenile idiopathic arthritis

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/>)

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 Juvenile idiopathic arthritis

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			
Rikenellaceae	family	High	171550	Holdemania	genus	Low	61170
Catenibacterium	genus	Low	135858	Olsenella	genus	High	133925
				Candida albicans	species	High	5476

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.

2,3-dihydroxypropyl dodecanoate {Monolaurin}

2-Amino-4-(methylthio)butanoic acid {Methionine} 5 gram/day

2H-1?6,2-benzothiazol-1,1,3-trione {Saccharin} 450 mg/day

Abstinence from eating {Fasting}

alpha-tocopherol {Vitamin E} 60 IU/day

ascorbic acid {Vitamin C} 30 g/day

bacillus subtilis {B.Subtilis } 10 BCFU/day

bifidobacterium longum {B.Longum } 10 BCFU/day

Bifidobacterium longum subsp. longum BB536 {BB536}

Capra hircus milk {Goat milk}

Cholestyramine,Colesevelam,Colestipol {Bile Acid Sequestrant}

dietary fiber

Echinacea Moench {Echinacea} 4 gram/day

enterococcus durans {Streptococcus durans}

enterococcus faecium {E. faecium} 1 BCFU/day

Far Infrared Therapy {Far infrared Sauna }

fruit

fucoidan {Brown Algae Extract} 8.8 gram/day

high red meat

high-fat diets

hypocaloric hyperproteic diet

lactobacillus rhamnosus gg,bifidobacterium animalis lactis

,lactobacillus paracasei {cvs maximum strength probiotic}

Linum usitatissimum {Flaxseed} 30 mg/day

Lonicera periclymenum {Epazote}

Nitrogen Oxide x Particulate Matter {Urban air pollutant}

Slow digestible carbohydrates. {Low Glycemic}

Tributylin

vitamin d 50000 IU/day

Zea mays {maize}

Retail Probiotics

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

aor / probiotic-3
 INVIVO THERAPEUTICS / Bio.Me IB +
 PrecisionBiotics / Zenflora
 Microbiome Labs / ZENBIOME Dual
 mwsb / candida yeast support
 microbiome labs/ megasporebiotic
 Sanogermina / AB-Kolicare
 klair labs / biospora
 fairvital / microflora basic
 Energybalance / ColoBiotica 28 Colon Support
 jarro formulas / jarro-dophilus mood
 microbiome labs / hu58
 perfect pass / perfect pass probiotic bacillus spore
 PharmExtracta (IT) / iNatal Sachets
 Probiotic Sticks
 bioflorin (deu) / bioflorin
 global health trax / threelac
 Law of Nature / Best Days Formula
 naturopathica (au)/ gastrohealth probiotic daily care
 bio-botanical research / proflora4r restorative probiotic
 nature's instincts / ultra spore probiotic
 PrecisionBiotics / Immune
 Genesis Bifidobacterium Complex BB Probiotic
 SuperSmart / Bifidobacterium longum (BB536)
 CustomProbiotics.com / B. Longum Probiotic Powder
 canada (ca) / calmbiotic
 Jetson (US) / Mood Probiotics
 Ombre / Heart Health
 klair labs / ther-biotic factor 4
 InnovixLabs / Mood Probiotic
 seed / female version
 PoolPharma (IT) / ProbioTKMIO
 HLH BIOPHARMA(DE) / LACTOBACT ® FORTE
 Bromatech (IT) / Serobiome
 corebiotic
 SuperSmart / Oral Health
 PharmExtracta (IT) / Gliadines buccal stickpacks
 PharmExtracta / Bowell
 Jetson / Gut Prep
 Align / Align® Chewables
 custom probiotics / d-lactate free probiotics powder
 jarro formulas / jarro-dophilus eps
 Seeking Health / Probiota HistaminX
 Prescript-Assist®/SBO Probiotic
 HLH BIOPHARMA(DE) / LACTOBACT ® 60PLUS
 Bromatech (IT) / Bifiselle
 custom probiotics / five strain bifidobacteria
 Pharmextracta (IT) / iNatal PED stick
 enviromedica terraflora sbo probiotic
 align / align
 jarro formulas / bifidus balance® + fos
 organic 3 / primal soil
 Align® Extra Strength
 SuperSmart / Bacillus Subtilis

Schwabe Pharma Italia / MegaStress
SuperSmart / Lactoxira
Ombre / Mood Enhancer
BIO-BOTANICAL RESEARCH / Megacidin
reserveage nutrition / beautiflora
amy meyers / primal earth probiotic
vitamin angels / just thrive
HLH BIOPHARMA(DE) / LACTOBACT ® PREMIUM
microbiome labs / restorflora
Krauterhaus / Lactopro
Seeking Health / Probiota Bifidobacterium
Pharmextracta (IT) / iNatal DUO sachets
Bromatech (IT) / Rotanelle plus
fürstenmed / lacto-bifido
Maple Life Science™ / Bifidobacterium longum
Bulk Probiotics / Bacillus Subtilis Probiotic
Metabolics / Bifidobacterium Longum Powder
Bulk Probiotics / B. Longum Probiotic Powder

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.

5,6-dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-a]quinolizinium {Berberine}
allium sativum {garlic}
Cymbopogon citratus {Lemongrass}
D-(-)-Fructose {Fruit sugar}
Honey {Honey }
Humulus lupulus compound {Xanthohumol}
lactobacillus acidophilus {L. acidophilus}

Lactobacillus gasseri {L.gasseri}
Nigella sativa {black cumin}
Ocimum tenuiflorum {Tulsi}
Pimpinella anisum {Anise}
Propolis {Bee glue}
Pyroguaiac acid {Guaiacol}
Thymus vulgaris {thyme}
Zingiber officinale Roscoe {ginger}

Sample of Literature Used

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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
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

