

Microbiome Information for: scoliosis

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 scoliosis

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
Mollicutes	class	High	31969
Lachnospiraceae	family	High	186803
Oscillospiraceae	family	High	216572
Bilophila	genus	Low	35832
Catenibacterium	genus	High	135858
Coprococcus	genus	High	33042
Prevotella	genus	Low	838

Bacteria Name	Rank	Shift	Taxonomy ID
Proteus	genus	High	583
Ruminiclostridium	genus	High	1508657
Ruminococcus	genus	Low	1263
Enterobacter cloacae	species	High	550
Escherichia coli	species	High	562
Eubacterium ventriosum	species	High	39496
Lachnospira eligens	species	Low	39485
Staphylococcus aureus	species	High	1280

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 longum {B.Longum } 10 BCFU/day
Cichorium intybus {Chicory} 1800 mg/day

Lactiseibacillus paracasei {L.paracasei} 40 BCFU/day
long-term, moderate-intensity exercise {exercise}
wheat

Retail Probiotics

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

Wholesome Wellness / Raw Probiotic
 Jamieson (can) / probiotic 10 bcfu
 Swiss BioEnergetics / Full Spectrum Probiotic Defence
 Blackmores (au) / probiotics + adults daily (90 capsules)
 Blackmore (au) / probiotics+ daily health
 Bravo Europe / starter and complex
 Probiotic 10 Billion Active Cells Daily Maintenance
 UltraFlora® Restore
 Bromatech (IT) / Rotanella plus
 Optibac / for every day
 Thryve Inside/ L.Reu,Rham,Casi; B.Lactis
 Solgar / advanced 40+ acidophilus
 Bromatech (IT) / Bifiselle
 Wakamoto (jp) / wakamoto pharmaceutical intestinal drug
 Custom Probiotics / five strain bifidobacteria
 Wakunaga / Daily Probiotic
 Naturopathica (au) / gastrohealth antacid
 Bravo Europe / freeze-dried bravo
 Schiff® Digestive Advantage® Advanced Probiotics Multi-Strain Support
 Microbiome Labs / ZENBIOME Dual
 Canada (ca) / Calmbiotic
 Klaire Labs / Ther-biotic factor 4
 InnovixLabs / Mood Probiotic
 PoolPharma (IT) / ProbioTKMIO
 Wakunaga / 50+
 CVSHealth / Daily Probiotic
 Bromatech (IT) / Serobiome
 Blackmores (au) / probiotics+ immune defence
 SuperSmart / Oral Health
 PharmExtracta (IT) / Gliadines buccal stickpacks
 Danactive drink
 Bulk Probiotics / L. Paracasei Probiotic Powder
 Sanogermina / AB-Kolicare
 Bioflora(MX) / Woman
 Jarrow formulas / jarro-dophilus mood
 Probiotic Sticks
 Ombre / Metabolic Booster
 Nature's Way (au) / restore probiotic 30 billion 30s
 Wakunaga / Pro+ Synbiotic
 Naturopathica (au)/ gastrohealth probiotic daily care
 Eden's / 3-in-1 Synbiotic Superblend
 NOW FOODS / Clinical GI Probiotic
 PrecisionBiotics / Immune
 Genesis Bifidobacterium Complex BB Probiotic
 Cytoplan(uk) / dentavital bifidophilus
 CustomProbiotics.com / B. Longum Probiotic Powder
 Metabolics / Bifidobacterium Longum Powder
 Bulk Probiotics / B. Longum Probiotic Powder
 Maple Life Science™ / Bifidobacterium longum
 Thryve LPCasei Th1, LPCasei Th2,L.Ferm IBF1, L.acidoph
 Bioflora (MX) / BIOFLORAMX / 50 BILLION 10 Strains
 Align / Align® Chewables
 Wakunaga / Kyo-Dophilus® Multi 9 Probiotic
 Custom Probiotics / d-lactate free probiotics powder

naturopathica (au) / gastrohealth fibrepro
philips / colon health
blackmore (au) / probiotics+ eczema relief
solgar / advanced multi-billion dophilus
nature's way (au) / restore probiotic daily health 90s
optibac / for daily immunity
Bromatech (IT) / Aflugenex
Jetson (US) / Immunity Probiotics
Seeking Health / Probiota Bifidobacterium
align / align
jarrow formulas / bifidus balance® + fos
Align® Extra Strength
HLH BIOPHARMA(DE) / LACTOBACT ® AAD
naturopathica (au) / gastrohealth probiotic adults 50+
Schwabe Pharma Italia / MegaStress
CustomProbiotics.com / L. Paracasei Probiotic Powder
PrecisionBiotics / Zenflore
PharmExtracta / Bowell

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}
 2-Methyl-5-(1-methylethyl)phenol {Carvacrol}
 3,3',4',5,7-pentahydroxyflavone {Quercetin}
 amikacin
 amoxicillin [CFS]
 ampicillin [CFS]
 Azadirachta indica {Neem}
 ceftriaxone
 Cinnamomum zeylanicum {Ceylon Cinnamon}
 ciprofloxacin [CFS]
 Citrus limon {Lemon}
 D-(-)-Fructose {Fruit sugar}
 Diferuloylmethane {Curcumin}
 eugenol {Eugenic acid}
 fluoroquinolone
 foeniculum vulgare,fennel
 gentamicin
 green tea
 Honey {Honey }

imipenem
 Lactobacillus plantarum {L. plantarum}
 Lavandula angustifolia {lavender}
 meropenem
 Metha family {Mint}
 Moringa Oleifera
 Nigella sativa {black cumin}
 Ocimum gratissimum {Clove basil}
 origanum vulgare {oregano}
 Pimpinella anisum {Anise}
 piperacillin-tazobactam
 Propolis {Bee glue}
 Punica granatum {pomegranate}
 rosmarinus officinalis {rosemary}
 Salvia officinalis {Sage}
 syzygium aromaticum {clove}
 Thymus vulgaris {thyme}
 trimethoprim
 vancomycin (antibiotic)[CFS]
 Zingiber officinale Roscoe {ginger}

Sample of Literature Used

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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