

Microbiome Information for: scoliosis

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

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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
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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
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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.

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

bifidobacterium longum {B.Longum } 10 BCFU/day

Cichorium intybus {Chicory} 1800 mg/day

fruit/legume fibre

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.

Swiss BioEnergetics / Full Spectrum Probiotic Defence
 Wholesome Wellness / Raw Probiotic
 InnovixLabs / Mood Probiotic
 Metabolics / Bifidobacterium Longum Powder
 Genesis Bifidobacterium Complex BB Probiotic
 Bromatech (IT) / Bifiselle
 Bromatech (IT) / Rotanelle plus
 Bromatech (IT) / Serobiome
 Ombre / Metabolic Booster
 NOW FOODS / Clinical GI Probiotic
 CVSHealth / Daily Probiotic
 PoolPharma (IT) / ProbioTKMIO
 SuperSmart / Oral Health
 Microbiome Labs / ZENBIOME Dual
 PrecisionBiotics / Zenflore
 PrecisionBiotics / Immune
 PharmExtracta / Bowell
 PharmExtracta (IT) / Gliadines buccal stickpacks
 Schwabe Pharma Italia / MegaStress
 Align® Extra Strength
 Align / Align® Chewables
 Probiotic 10 Billion Active Cells Daily Maintenance
 Probiotic Sticks
 Seeking Health / Probiota Bifidobacterium
 Maple Life Science™ / Bifidobacterium longum
 Wakunaga / Kyo-Dophilus® Multi 9 Probiotic
 Wakunaga / Pro+ Synbiotic
 Wakunaga / Daily Probiotic
 Wakunaga / 50+
 Bioflora(MX) / Woman
 Bulk Probiotics / B. Longum Probiotic Powder
 custom probiotics / d-lactate free probiotics powder
 custom probiotics / five strain bifidobacteria
 align / align
 klaire labs / ther-biotic factor 4
 jamieson (can) / probiotic 10 bcfu
 jarro formulas / jarro-dophilus mood
 cytoplan(uk) / dentavital bifidophilus
 canada (ca) / calmbiotic
 optibac / for every day
 philips / colon health
 wakamoto (jp) / wakamoto pharmaceutical intestinal drug
 bravo europe / starter and complex
 jarro formulas / bifidus balance® + fos
 naturopathica (au) / gastrohealth fibrepro
 naturopathica (au) / gastrohealth probiotic daily care
 naturopathica (au) / gastrohealth probiotic adults 50+
 nature's way (au) / restore probiotic daily health 90s
 nature's way (au) / restore probiotic 30 billion 30s
 blackmores (au) / probiotics + adults daily (90 capsules)
 blackmores (au) / probiotics+ immune defence
 blackmore (au) / probiotics+ eczema relief
 blackmore (au) / probiotics+ daily health
 CustomProbiotics.com / B. Longum Probiotic Powder

HLH BIOPHARMA(DE) / LACTOBACT ® AAD
Thryve Inside/ L.Reu,Rham,Casi; B.Lactis
Sanogermina / AB-Kolicare

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}
 Azadirachta indica {Neem}
 Cinnamomum zeylanicum {Ceylon Cinnamon}
 Citrus limon {Lemon}
 Curcuma longa {Turmeric}
 D-(-)-Fructose {Fruit sugar}
 Diferuloylmethane {Curcumin}
 eugenol {Eugenic acid}
 foeniculum vulgare,fennel
 green tea
 Honey {Honey }
 Lactobacillus plantarum {L. plantarum}

Lavandula angustifolia {lavender}
 Metha family {Mint}
 Moringa Oleifera
 Nigella sativa {black cumin}
 Ocimum gratissimum {Clove basil}
 origanum vulgare {oregano}
 Pimpinella anisum {Anise}
 Propolis {Bee glue}
 Punica granatum {pomegranate}
 rosmarinus officinalis {rosemary}
 Salvia officinalis {Sage}
 β-(1?4)-linked D-glucosamine and N-acetyl-D-glucosamine {Chitosan}
 syzygium aromaticum {clove}
 Thymus vulgaris {thyme}
 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

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