

Microbiome Information for: deep vein thrombosis

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 deep vein thrombosis

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
Clostridia	class	Low	186801	Weissella	genus	Low	46255
Desulfovibrionaceae	family	High	194924	Salmonella enterica subsp. enterica serovar Typhi	no rank	High	90370
Streptococcaceae	family	Low	1300	Lactobacillales	order	Low	186826
Akkermansia	genus	High	239934	[Clostridium] innocuum	species	High	1522
Bacteroides	genus	Low	816	Bacteroides fragilis	species	High	817
Blautia	genus	High	572511	Burkholderia pseudomallei	species	High	28450
Butyricicoccus	genus	Low	580596	Chlamydia pneumoniae	species	High	83558
Butyrivibrio	genus	Low	830	Escherichia coli	species	High	562
Citrobacter	genus	High	544	Eubacterium coprostanoligenes	species	Low	290054
Coprococcus	genus	High	33042	Fusobacterium necrophorum	species	High	859
Dialister	genus	Low	39948	Fusobacterium nucleatum	species	High	851
Eisenbergiella	genus	Low	1432051	Haemophilus influenzae	species	High	727
Enterobacter	genus	High	547	Haemophilus parainfluenzae	species	High	729
Enterococcus	genus	Low	1350	Helicobacter pylori	species	High	210
Escherichia	genus	High	561	Klebsiella oxytoca	species	High	571
Fusicatenibacter	genus	High	1407607	Klebsiella pneumoniae	species	High	573
Proteus	genus	High	583	Lactococcus lactis	species	High	1358
Pseudobutyrvibrio	genus	Low	46205	Pseudomonas aeruginosa	species	High	287
Shigella	genus	High	620	Staphylococcus aureus	species	High	1280
Slackia	genus	Low	84108	Streptococcus pyogenes	species	High	1314
Streptococcus	genus	Low	1301	Ureaplasma urealyticum	species	High	2130
Subdoligranulum	genus	Low	292632	typhus group	species group	High	114292

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
 2-Amino-4-(methylthio)butanoic acid {Methionine} 5 gram/day
 α-Amino-3-indolepropionic acid {Tryptophan} 3 gram/day
 Akkermansia muciniphila {Pendulum Probiotic} 10 BCFU/day
 Arthrospira platensis {Spirulina}
 Bifidobacterium longum subsp. longum BB536 {BB536}
 Camellia Linnaeus {camellia}
 Catechol {Catecholamines}
 Citrus polymethoxyflavone {Nobiletin (oranges and lemons)}
 Cucurbita pepo {Pumpkin}
 D-ribofuranoside {Ribose} 10 gram/day
 Escherichia coli cryodesiccata {colinfant probiotics}
 Escherichia coli:DSM 16441-16448 {symbioflor-2}
 Ferrum {Iron Supplements} 400 mg/day

high red meat
 L-3-hydroxytrimethylaminobutanoate {carnitine}
 Lactose {Milk Sugar}
 long-term, moderate-intensity exercise {exercise}
 N-L-α-aspartyl-L-phenylalanine methyl ester {aspartame}
 Polyethylene oxide sorbitan mono-oleate {Polysorbate 80}
 resistant starch
 Sleep apnea {partial sleep deprivation}
 Sodium Chloride {Salt}
 Sucralose {Splenda} 340 mg/day
 Titanium Dioxide {E171}
 Tobacco consumption {Smoking}
 Ulmus rubra {slippery elm}
 Under cooked animal protein {Rare meat}
 vegetable

Retail Probiotics

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

jarrow formulas / bifidus balance® + fos
naturopathica (au) / gastrohealth fibrepro
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+ bowel support
blackmore (au) / probiotics+ eczema relief
blackmore (au) / probiotics+ daily health
Thryve Inside/ L.Reu,Rham,Casi; B.Lactis
Pendulum / Pendulum Glucose Control
Swiss BioEnergetics / Full Spectrum Probiotic Defence
Bromatech (IT) / Lautoselle
Bromatech (IT) / Serobiome
Pendulum / akkermansia muciniphila
SuperSmart / Akkermansia Muciniphila Postbiotic (pasturized)
SuperSmart / Bifidobacterium longum (BB536)
Microbiome Labs / ZENBIOME Dual
PrecisionBiotics / Zenflore
PharmExtracta (IT) / FG5 Forte In Sachets
Pendulum / Metabolic Daily
Codeage, GLP-1 Probiotic+
Pendulum GLP-1 Probiotic
natviehealthcare.com/Renewbiome Akkermansia
symbiopharm / symbioflo 2
powerlabs (au) / ultra blend

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}
 allium sativum {garlic}
 Azadirachta indica {Neem}
 Cinnamomum zeylanicum {Ceylon Cinnamon}
 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 basilicum {Basil}
 Ocimum gratissimum {Clove basil}
 organum vulgare {oregano}
 Propolis {Bee glue}
 Punica granatum {pomegranate}
 rosmarinus officinalis {rosemary}
 Thymus vulgaris {thyme}
 Zingiber officinale Roscoe {ginger}

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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