

Microbiome Information for: deep vein thrombosis

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 believed 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 is 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 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
Streptococcaceae	family	Low	1300
Akkermansia	genus	High	239934
Bacteroides	genus	Low	816
Butyricoccus	genus	Low	580596
Butyrivibrio	genus	Low	830
Citrobacter	genus	High	544
Coprococcus	genus	High	33042
Dialister	genus	Low	39948
Eisenbergiella	genus	Low	1432051
Enterobacter	genus	High	547
Enterococcus	genus	Low	1350
Escherichia	genus	High	561
Fusicatenibacter	genus	High	1407607
Proteus	genus	High	583
Pseudobutyribrio	genus	Low	46205
Roseburia	genus	Low	841
Ruminococcus	genus	Low	1263
Shigella	genus	High	620
Slackia	genus	Low	84108
Streptococcus	genus	Low	1301
Subdoligranulum	genus	Low	292632
Weissella	genus	Low	46255
Salmonella enterica subsp. enterica serovar Typhi	no rank	High	90370
Lactobacillales	order	Low	186826
[Clostridium] innocuum	species	High	1522
Bacteroides fragilis	species	High	817
Burkholderia pseudomallei	species	High	28450
Chlamydia pneumoniae	species	High	83558
Escherichia coli	species	High	562
Eubacterium coprostanoligenes	species	Low	290054
Fusobacterium necrophorum	species	High	859
Fusobacterium nucleatum	species	High	851
Haemophilus influenzae	species	High	727
Haemophilus parainfluenzae	species	High	729
Helicobacter pylori	species	High	210
Klebsiella oxytoca	species	High	571
Klebsiella pneumoniae	species	High	573
Lactococcus lactis	species	High	1358
Pseudomonas aeruginosa	species	High	287
Staphylococcus aureus	species	High	1280
Streptococcus pyogenes	species	High	1314
Ureaplasma urealyticum	species	High	2130
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.

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.

Bifidobacterium longum subsp. longum BB536 {BB536}

Catechol {Catecholamines}

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-protein diet {Atkins low-carbohydrate diet}

ketogenic diet

Lactose {Milk Sugar}

Lentilactobacillus kefiri {Kefibios}

magnesium-deficient diet

Mycotoxins {Home Dampness}

Nicotine, Nicotine Patch

N-L-a-aspartyl-L-phenylalanine methyl ester {aspartame}

proton-pump inhibitors (prescription) 60 mg/day

Sleep apnea {partial sleep deprivation}

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.

symbiopharm / symbioflo 2
PharmExtracta (IT) / FG5 Forte In Sachets
jarrow formulas / bifidus balance® + fos
PrecisionBiotics / Zenflore
Microbiome Labs / ZENBIOME Dual
PIANETA FARMA/KefiBios
SuperSmart / Bifidobacterium longum (BB536)
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}	Honey {Honey }
2-Methyl-5-(1-methylethyl)phenol {Carvacrol}	imipenem
3,3',4',5,7-pentahydroxyflavone {Quercetin}	Lactobacillus plantarum {L. plantarum}
allium sativum {garlic}	meropenem
amikacin	Metha family {Mint}
ampicillin [CFS]	Moringa Oleifera
Azadirachta indica {Neem}	Nigella sativa {black cumin}
Cinnamomum zeylanicum {Ceylon Cinnamon}	origanum vulgare {oregano}
ciprofloxacin [CFS]	Pimpinella anisum {Anise}
Curcuma longa {Turmeric}	piperacillin-tazobactam
D(-)-Fructose {Fruit sugar}	Propolis {Bee glue}
dietary fiber	Punica granatum {pomegranate}
Diferuloylmethane {Curcumin}	rosmarinus officinalis {rosemary}
foeniculum vulgare,fennel	Slow digestible carbohydrates. {Low Glycemic}
fruit	Thymus vulgaris {thyme}
gentamicin	trimethoprim
green tea	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

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-Haptic 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