

## 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 *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**

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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

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

**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}**

**Ferum {Iron Supplements}** 400 mg/day

Lactose {Milk Sugar}

**Lentilactobacillus kefir {Kefibios}**

**N-(aminoiminomethyl)-N methyl glycine {Creatine}**

Nicotine, Nicotine Patch

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

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 / Zenflo  
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}  
 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}  
 foeniculum vulgare,fennel  
 fruit  
 green tea

Honey {Honey }  
 Lactobacillus plantarum {L. plantarum}  
 Metha family {Mint}  
 Moringa Oleifera  
 Nigella sativa {black cumin}  
 organum vulgare {oregano}  
 Pimpinella anisum {Anise}  
 Propolis {Bee glue}  
 Punica granatum {pomegranate}  
 rosmarinus officinalis {rosemary}  
 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**