

Microbiome Information for: Colorectal Cancer

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

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

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Colorectal Cancer

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
Bacteroidia	class	High	200643	Parvimonas	genus	High	543311
Clostridia	class	High	186801	Peptostreptococcus	genus	High	1257
Fusobacteria	class	High	203490	Phascolarctobacterium	genus	High	33024
Bacteroidaceae	family	Low	815	Porphyromonas	genus	High	836
Enterobacteriaceae	family	High	543	Prevotella	genus	High	838
Oscillospiraceae	family	High	216572	Promicromonospora	genus	High	43676
Rikenellaceae	family	High	171550	Roseburia	genus	High	841
Agathobacter	genus	Low	1766253	Ruminococcus	genus	High	1263
Bacteroides	genus	High	816	Stenotrophomonas	genus	High	40323
Brevundimonas	genus	High	41275	Sutterella	genus	High	40544
Campylobacter	genus	High	194	Caulobacterales	order	High	204458
Collinsella	genus	Low	102106	Bacteroides fragilis	species	High	817
Dialister	genus	High	39948	Corynebacterium amycolatum	species	High	43765
Faecalibacterium	genus	Low	216851	Escherichia coli	species	High	562
Fusobacterium	genus	High	848	Fusobacterium nucleatum	species	High	851
Gemella	genus	High	1378	Helicobacter pylori	species	High	210
Leptotrichia	genus	High	32067	Peptostreptococcus stomatis	species	High	341694
Megamonas	genus	High	158846	Porphyromonas asaccharolytica	species	High	28123
Megasphaera	genus	High	906	Solobacterium moorei	species	High	102148
				Streptococcus gallolyticus	species	High	315405

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.

alcoholic beverages

arabinogalactan (prebiotic) 21 gram/day

berberine 1.5 gram/day

Bofutsushosan

carboxymethyl cellulose (prebiotic)

fasting

Human milk oligosaccharides (prebiotic, Holigos, Stachyose) 2
gram/day

inulin (prebiotic) 32 gram/day

lactobacillus gasseri (probiotics) 10 BCFU/day

lactulose

Moringa Oleifera

navy bean

non-starch polysaccharides

pea (fiber, protein)

pectin

Psyllium (Plantago Ovata Husk) 6.8 gram/day

Pulses

red wine 250 ml/day

resistant starch

Slippery Elm

vitamin a 25000 IU/day

vitamin d 50000 UI/day

wheat bran

xylan (prebiotic)

Retail Probiotics

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

Swiss BioEnergetics / Full Spectrum Probiotic Defence
spain (es) / muvagyn probiotico
blackmores (au) / probiotics + adults daily (90 capsules)
nature's way (au) / restore probiotic daily health 90s
jarrow formulas / bifidus balance® + fos
nature's way (au) / restore probiotic bowel & colon health 30s
naturopathica (au) / gastrohealth fibrepro
philips / colon health
blackmore (au) / probiotics+ eczema relief
wakamoto (jp) / wakamoto pharmaceutical intestinal drug
naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu
Bromatech (IT) / Serobiome
blackmores (au) / probiotics+ immune defence
up4 / women's
CustomProbiotics.com / L. Gasseri Probiotic Powder
blackmore (au) / probiotics+ bowel support
NaturalPharma / Profit Probiotics
SuperSmart / Lactobacillus Gasseri
nature's way (au) / restore probiotic 30 billion 30s
blackmore (au) / probiotics+ daily health

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.

Arbutin (polyphenol)	N-Acetyl Cysteine (NAC),
bacillus subtilis (probiotics)	neem
Bismuth Salts	Nicotine, Nicotine Patch
Caffeine	olea europaea,olive leaf
cinnamon (oil. spice)	oregano (organum vulgare, oil)
clostridium butyricum (probiotics),Miya,Miyarisan	quercetin
diosmin,(polyphenol)	retinoic acid,(Vitamin A derivative)
foeniculum vulgare,fennel	rosmarinus officinalis,rosemary
garlic (allium sativum)	saccharomyces cerevisiae (probiotics)
Guaiacol (polyphenol)	syzygium aromaticum (clove)
Hesperidin (polyphenol)	tea
inula viscosa,false yellowhead	thyme (thymol, thyme oil)
Kiwifruit	Vitamin B1,thiamine hydrochloride
lactobacillus casei (probiotics)	Vitamin B-12
lactobacillus reuteri (probiotics)	vitamin B3,niacin
lactobacillus salivarius (probiotics)	Vitamin B6,pyridoxine hydrochloride
luteolin (flavonoid)	vitamin B7, biotin
mastic gum (prebiotic)	Vitamin C (ascorbic acid)
melatonin supplement	whole-grain barley

Sample of Literature Used

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Antiphospholipid syndrome (APS)
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Autoimmune Disease
Barrett esophagus cancer
Bipolar Disorder
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Chronic Fatigue Syndrome
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Chronic Lyme
Chronic Obstructive Pulmonary Disease (COPD)
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Coagulation / Micro clot triggering bacteria
Colorectal Cancer
Constipation
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COVID-19
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cystic fibrosis
deep vein thrombosis
Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy
Fibromyalgia
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus
Generalized anxiety disorder
Gout
Graves' disease
Hashimoto's thyroiditis
Hidradenitis Suppurativa
Histamine Issues From Ubiome
Histamine Issues, Mast Cell Issue, DAO Insufficiency
hypercholesterolemia (High Cholesterol)
hyperglycemia
Hyperlipidemia (High Blood Fats)

hypersomnia
hypertension (High Blood Pressure)
Hypoxia
IgA nephropathy (IgAN)
Inflammatory Bowel Disease
Insomnia
Intelligence
Irritable Bowel Syndrome
Juvenile idiopathic arthritis
Liver Cirrhosis
Long COVID
Lung Cancer
ME/CFS with IBS
ME/CFS without IBS
Menopause
Metabolic Syndrome
Mood Disorders
Multiple Sclerosis
Multiple system atrophy (MSA)
Neuropathy (all types)
neuropsychiatric disorders (PANDAS, PANS)
Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic
NonCeliac Gluten Sensitivity
Obesity
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Osteoarthritis
Osteoporosis
Parkinson's Disease
Postural orthostatic tachycardia syndrome
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Psoriasis
rheumatoid arthritis (RA),Spondyloarthritis (SpA)
Rosacea
Schizophrenia
Sjögren syndrome
Sleep Apnea
Small Intestinal Bacterial Overgrowth (SIBO)
Stress / posttraumatic stress disorder
Systemic Lupus Erythematosus
Tic Disorder
Tourette syndrome
Type 1 Diabetes
Type 2 Diabetes
Ulcerative colitis
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