

## Microbiome Information for: Chronic Kidney Disease

### 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 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

A Microbiome Analysis Company

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Email: [Research@MicrobiomePrescription.com](mailto:Research@MicrobiomePrescription.com)

## Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Chronic Kidney Disease

*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.

<b>Bacteria Name</b>	<b>Rank</b>	<b>Shift</b>	<b>Taxonomy ID</b>	<b>Bacteria Name</b>	<b>Rank</b>	<b>Shift</b>	<b>Taxonomy ID</b>
Lachnospiraceae	family	Low	186803	Megamonas	genus	High	158846
Ruminococcaceae	family	Low	541000	Parabacteroides	genus	High	375288
Bacteroides	genus	High	816	Prevotella	genus	High	838
Butyrivibrio	genus	Low	580596	Romboutsia	genus	Low	1501226
Carnobacterium	genus	Low	2747	Roseburia	genus	Low	841
Collinsella	genus	Low	102106	Ruminiclostridium	genus	High	1508657
Coprococcus	genus	Low	33042	Scardovia	genus	High	196081
Dialister	genus	Low	39948	Shigella	genus	High	620
Dielma	genus	High	1472649	Subdoligranulum	genus	Low	292632
Eggerthella	genus	High	84111	Tyzzera	genus	Low	1506577
Erysipelatoclostridium	genus	High	1505663	Weissella	genus	High	46255
Escherichia	genus	High	561	[Clostridium] innocuum	species	High	1522
Flavonifractor	genus	High	946234	[Eubacterium] rectale	species	Low	39491
Holdemanella	genus	High	1573535	[Ruminococcus] torques	species	High	33039
Lachnospira	genus	Low	28050	Francisella tularensis	species	Low	263
Lactobacillus	genus	Low	1578	Ruminococcus gnavus	species	High	33038

## 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.

acetylsalicylic acid,aspirin  
 alcoholic beverages  
 astemizole,(prescription)  
**AZITHROMYCIN,(ANTIBIOTIC)S[CFS]**  
 bepidil hydrochloride,(prescription)  
 Bile Acid Sequestrant  
 bisphenol a (bpa)  
 Bofutsushosan  
 brown algae  
 cadium  
 camelina seed  
 carboxymethyl cellulose (prebiotic)  
 cefixime (antibiotic)  
 chlorprothixene hydrochloride,(prescription)  
 chondrus crispus,red sea weed  
 cinoxacin (antibiotic)  
 coptis chinensis, Chinese goldthread  
 cranberry bean flour  
**Dextrin** 40 gram/day  
 dienestrol,(prescription)  
 diethylstilbestrol,(prescription)  
**DOXYCYCLINE (ANTIBIOTIC)S[CFS]**  
 efavirenz,(prescription)  
 enoxacin (antibiotic)  
 epinephrine  
 ethinylestradiol,(prescription)  
 ethopropazine hydrochloride,(prescription)  
 fat  
 fenbendazole,(prescription)  
 floxuridine,(prescription)  
 flumequine (antibiotic)  
 fluorine  
 galacto-oligosaccharides (prebiotic) 10 gram/day  
 ginko 240 mg/day  
 gluten-free diet  
 glycyrrhizic acid (licorice) 32 gram/day  
 Goji (berry,juice)  
 hexestrol,(prescription)  
 high animal protein diet  
 high red meat  
 high sugar diet  
 high-protein diet  
 ibuprofen  
 iron 400 mg/day  
 ketogenic diet  
 Krill Oil 4 gram/day  
**L-glutamine** 5 gram/day  
 loperamide hydrochloride,(prescription)  
 low carbohydrate diet  
 low-fat diets  
 low-fat high-complex carbohydrate diet  
**macrolide ((antibiotic)s)**  
 mediterranean diet  
 Methionine 5 gram/day  
**nadifloxacin (antibiotic)**  
**nalidixic acid sodium salt (antibiotic)**  
 navy bean  
**NEOMYCIN (ANTIBIOTIC)S[CFS]**  
**oligofructose-enriched inulin (prebiotic)**  
**oxolinic acid (antibiotic)**  
 partial sleep deprivation  
**pefloxacin (antibiotic)**  
**pipemidic acid (antibiotic)**  
**pivmecillinam hydrochloride (antibiotic)**  
**quercetin** 2 gram/day  
 quercetin, resveratrol  
 red alga Laurencia tristicha  
 risperidone,(prescription)  
**sarafloxacin (antibiotic)**  
 sertindole,(prescription)  
**Slippery Elm**  
 smoking  
 sodium stearoyl lactylate  
**sparfloxacin (antibiotic)**  
**Spearmint(mentha spicata)**  
**spectinomycin dihydrochloride (antibiotic)**  
 stevia 800 mg/day  
**ymbioflor 2 e.coli probiotics**  
 thioguanosine,(prescription)  
 thioridazine hydrochloride,(prescription)  
 tiratricol, 3,3',5-triiodothyroacetic acid,(prescription)  
 tolfenamic acid,(prescription)  
**toltrazuril non-drug**  
**Tributylin**  
**triclosan**  
 vegetable/fruit juice-based diets  
**Vitamin B1,thiamine hydrochloride** 1.8 gram/day  
**Vitamin B9,folic acid** 5 mg/day  
**xylan (prebiotic)**  
 zafirlukast,(prescription)  
 zidovudine; azt,(prescription)

## **Retail Probiotics**

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

**symbiopharm / symbioflo 2**

**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.

bacillus subtilis (probiotics)

barley

clostridium butyricum (probiotics), Miya, Miyarisan

garlic (allium sativum)

gentamicin (antibiotic)s

imipenem (antibiotic)s

inulin (prebiotic)

lactobacillus casei (probiotics)

lactobacillus paracasei (probiotics)

lactobacillus plantarum (probiotics)

lactobacillus reuteri (probiotics)

lactobacillus rhamnosus gg (probiotics)

oregano (origanum vulgare, oil) |

saccharomyces cerevisiae (probiotics)

soy

walnuts

wheat

wheat bran

whole-grain barley

## Sample of Literature Used

The following are the most significant of the studies used to generate these suggestions.

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Bipolar Disorder  
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Histamine Issues,Mast Cell Issue, DAO Insufficiency  
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