

Microbiome Information for: neuropathic pain

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 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

[Our Facebook Discussion Page](#)

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of neuropathic pain

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
Desulfovibrionaceae	family	Low	194924	Roseburia	genus	Low	841
Lachnospiraceae	family	Low	186803	Bifidobacteriales	order	Low	85004
Akkermansia	genus	Low	239934	Lactobacillales	order	Low	186826
Bacteroides	genus	Low	816	Clostridium butyricum	species	Low	1492
Eggerthella	genus	High	84111	Faecalibacterium prausnitzii	species	Low	853
Faecalibacterium	genus	Low	216851	Limosilactobacillus reuteri	species	Low	1598
Lachnospira	genus	Low	28050	Odoribacter splanchnicus	species	Low	28118
Parabacteroides	genus	Low	375288	Roseburia hominis	species	Low	301301
				Bifidobacterium longum subsp. infantis	subspecies	Low	1682

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.

(-) -levobunolol hydrochloride,(prescription)	liothyronine,(prescription)
(-) -emtricitabine,(prescription)	loperamide hydrochloride,(prescription)
(+) -levobunolol hydrochloride,(prescription)	loracarbef (antibiotic)
3-alpha-hydroxy-5-beta-androstan-17-one,(prescription)	lorglumide sodium salt non-drug
5-fluorouracil,(prescription)	low carbohydrate diet
acenocoumarol,(prescription)	LYMECYCLINE (ANTIBIOTIC)[CFS]
acetopromazine maleate salt,(prescription)	mebendazole,(prescription)
acipimox,(prescription)	Mebhydroline 1,5-naphtalenedisulfonate
alexidine dihydrochloride	Meclocycline sulfosalicylate
alfacalcidol,(prescription)	meclofenoxate hydrochloride,(prescription)
Amethopterin (R,S)	medrysone,(prescription)
amiprilose hydrochloride non-drug	mefexamide hydrochloride,(prescription)
AMOXICILLIN [CFS]	mefloquine hydrochloride,(prescription)
AMPICILLIN [CFS]	merbromin
apramycin	meropenem
aprepitant,(prescription)	mesoridazine besylate,(prescription)
astemizole,(prescription)	metaraminol bitartrate,(prescription)
auranofin,(prescription)	metergoline,(prescription)
azathioprine,(prescription)	Methacycline hydrochloride
azelastine hcl,(prescription)	methiothepin maleate,(prescription)
AZITHROMYCIN,[CFS]	methocarbamol,(prescription)
azlocillin sodium salt (antibiotic)	methotrexate,(prescription)
aztreonam (antibiotic)	methoxamine hydrochloride,(prescription)
bacampicillin hydrochloride (antibiotic)	methyl benzethonium chloride
bacitracin (antibiotic)	methylethergometrine maleate,(prescription)
beclomethasone dipropionate,(prescription)	METRONIDAZOLE [CFS]
Below normal temperature {Cold exposure}	miglitol,(prescription)
benfluorex hydrochloride,(prescription)	moclobemide,(prescription)
benzamil hydrochloride,(prescription)	monensin sodium salt,(prescription)
benzathine benzylpenicillin (antibiotic)	moxalactam disodium salt (antibiotic)
benzethonium chloride	moxifloxacin (antibiotic)
benzylpenicillin sodium (antibiotic)	nabumetone,(prescription)
bepidil hydrochloride,(prescription)	nadifloxacin (antibiotic)
bifonazole,(prescription)	nafticillin sodium salt monohydrate (antibiotic)
brinzolamide,(prescription)	nafronyl oxalate,(prescription)
bromperidol,(prescription)	nalidixic acid sodium salt (antibiotic)
butylscopolammonium (n-) bromide,(prescription)	nefazodone hcl,(prescription)
calcipotriene,(prescription)	nicardipine hydrochloride,(prescription)
carbadox,(prescription)	nicergoline,(prescription)
carbenoxolone disodium salt,(prescription)	niclosamide,(prescription)
cefador hydrate (antibiotic)	nifuroxazide (antibiotic)
cefazolin sodium salt (antibiotic)	nifurtimox,(prescription)
cefdinir (antibiotic)	nilutamide,(prescription)
cefepime hydrochloride (antibiotic)	nimesulide,(prescription)
cefixime (antibiotic)	nimodipine,(prescription)
cefmetazole sodium salt (antibiotic)	niridazole,(prescription)

cefoperazone dihydrate (antibiotic)
 ceforanide (antibiotic)
 cefotaxime sodium salt (antibiotic)
 cefotetan (antibiotic)
 cefotiam hydrochloride (antibiotic)
 Cefoxitin sodium salt
 cefsulodin sodium salt (antibiotic)
 ceftazidime
 cefuroxime sodium salt (antibiotic)
 cephalosporanic acid; 7-amino (antibiotic)
 cephalothin sodium salt (antibiotic)
 cetirizine dihydrochloride,(prescription)
 chenodiol,(prescription)
 chloramphenicol
 chlorhexidine
 chloroxine (antibiotic)
 chlorprothixene hydrochloride,(prescription)
 Chlortetracycline hydrochloride
 cilostazol,(prescription)
CIPROFLOXACIN [CFS]
CLARITHROMYCIN [CFS]
 clemizole hydrochloride,(prescription)
 cinafloxacin (antibiotic)
CLINDAMYCIN [CFS]
 clioquinol,(prescription)
 clodronate,(prescription)
 clobazamine (antibiotic)
 Clomiphene citrate (Z,E)
 clomipramine hydrochloride,(prescription)
 clonidine,(prescription)
 clobazamine,(prescription)
 clonidine,(prescription)
 clotrimazole,(prescription)
 colistin sulfate (antibiotic)
 cyclobenzaprine hydrochloride,(prescription)
 cyclosporin a,(prescription)
 cyproheptadine hydrochloride,(prescription)
 danazol,(prescription)
 daunorubicin hydrochloride,(prescription)
 dehydroisoandrosterone 3-acetate,(prescription)
 Demeclocycline hydrochloride
 dequalinium dichloride
 desloratadine,(prescription)
 diacerein,(prescription)
 dibenzepine hydrochloride,(prescription)
 didofofenac sodium,(prescription)
 didoxacillin sodium salt hydrate (antibiotic)
 diethylcarbamazine citrate,(prescription)
 diflunisal,(prescription)
 digoxin,(prescription)
 dirithromycin (antibiotic)
 doxazosin mesylate,(prescription)
 doxorubicin hydrochloride,(prescription)
DOXYCYCLINE [CFS]
 ebselen non-drug
 ebumamonine (-),(prescription)
 econazole nitrate,(prescription)
 efavirenz,(prescription)
 enoxacin (antibiotic)

nitrofurantoin,(prescription)
 nitrofurantoin (antibiotic)
 norcyclobenzaprine,(prescription)
 norethynodrel,(prescription)
 norfloxacin
 norgestimate,(prescription)
 norgestrel(-)-d,(prescription)
 novobiocin sodium salt,(prescription)
 opipramol dihydrochloride,(prescription)
 omidazole
 oxcarbazepine,(prescription)
 oxethazaine,(prescription)
 oxibendazole,(prescription)
 oxiconazole nitrate,(prescription)
 oxolinic acid (antibiotic)
 oxytetracycline dihydrate (antibiotic)
 papaverine hydrochloride,(prescription)
 pefloxacin (antibiotic)
 pemirolast potassium,(prescription)
 pentamidine isethionate,(prescription)
 pergolide mesylate,(prescription)
 perhexiline maleate,(prescription)
 perphenazine,(prescription)
 phenacetin,(prescription)
 phenazopyridine hydrochloride,(prescription)
 phenethicillin potassium salt (antibiotic)
 phenindione,(prescription)
 pimethixene maleate,(prescription)
 pinaverium bromide,(prescription)
 piperacillin-tazobactam
 pivampicillin (antibiotic)
 proadifen hydrochloride non-drug
 propantheline bromide,(prescription) [Can cause cognitive issues]
 pyrazinamide (antibiotic)
 pyrimethamine,(prescription)
 pyvinium pamoate,(prescription)
 quinacrine dihydrochloride dihydrate,(prescription)
 quinapril hcl,(prescription)
 quipazine dimaleate salt non-drug
 raloxifene hydrochloride,(prescription)
 restricted-fiber diet {low fiber diet}
 ribavirin,(prescription)
 ribostamycin sulfate salt (antibiotic)
 Rifabutin
 rifampicin
 rifapentine (antibiotic)
 rolipram non-drug
 roxatidine acetate hcl,(prescription)
 roxithromycin
 rufloxacin (antibiotic)
 salmeterol,(prescription)
 sarafloxacin (antibiotic)
 secnidazole,(prescription)
 sertraline,(prescription)
 simvastatin,(prescription)
 sparfloxacin (antibiotic)
 spiramycin (antibiotic)

ERYTHROMYCIN [CFS]

estrone,(prescription)
 estropipate,(prescription)
 ethoxyquin non-drug
 Ethyl alcohol {Grain alcohol}
 etofenamate,(prescription)
 exemestane,(prescription)
 fenbufen,(prescription)
 fenoprofen calcium salt dihydrate,(prescription)
 fenspiride hydrochloride,(prescription)
 fipexide hydrochloride,(prescription)
 florfenicol
fludoxacillin sodium (antibiotic)
 flucytosine,(prescription)
 flufenamic acid,(prescription)
flumequine (antibiotic)
 flunixin meglumine,(prescription)
 fluocinonide,(prescription)
 flurbiprofen,(prescription)
 fluvoxamine maleate,(prescription)
 furaltadone hydrochloride,(prescription)
furazolidone (antibiotic)
fusidic acid sodium salt (antibiotic)
 gabazine bromide non-drug
 gabexate mesilate non-drug
gatifloxacin (antibiotic)
 gemfibrozil,(prescription)
 glafenine hydrochloride,(prescription)
 haloperidol,(prescription)
 hexachlorophene
 homochlorcyclizine dihydrochloride,(prescription)
 hycanthone,(prescription)
 hydrocortisone base,(prescription)
 Hydroxytacrine maleate (R,S)
 hydroxyzine dihydrochloride,(prescription)
 ibandronate sodium,(prescription)
 ibutilide fumarate,(prescription)
imipenem
 iocetamic acid,(prescription)
 iodixanol,(prescription)
 ipsapirone non-drug
 isoconazole,(prescription)
 itraconazole,(prescription)
josamycin (antibiotic)
 ketoconazole,(prescription)
 leflunomide,(prescription)
 lidoflazine,(prescription)
lincomycin
linezolid (antibiotic)

spironolactone,(prescription)
 stanozolol,(prescription)
 streptozotocin,(prescription)
 Sucralose {Splenda} 340 mg/day
sulfamerazine (antibiotic)
sulfameter (antibiotic)
sulfamethazine sodium salt (antibiotic)
sulfamethoxazole (antibiotic)
 sulfamonomethoxine,(prescription)
 sumatriptan succinate,(prescription)
talampicillin hydrochloride (antibiotic)
 tamoxifen citrate,(prescription)
 temozolomide,(prescription)
 terfenadine,(prescription)
 tetraethylenepentamine pentahydrochloride non-drug
thiamphenicol (antibiotic)
 thiethylperazine dimalate,(prescription)
thimerosal (mercury vacine perservative)
 thioguanosine,(prescription)
 thioridazine hydrochloride,(prescription)
 thioestrepton,(prescription)
 thonzonium bromide,(pharmacological additive)
 tibolone,(prescription)
ticarcillin sodium (antibiotic)
tinidazole (antibiotic)
 tioconazole,(prescription)
 Tobacco consumption {Smoking}
tobramycin
 tolfenamic acid,(prescription)
 toremifene,(prescription)
Tosufloxacin hydrochloride
 tramadol hydrochloride,(prescription)
 triflupromazine hydrochloride,(prescription)
 triflusal,(prescription)
 trimethadione,(prescription)
trimethoprim 50 mg/d
troleandomycin (antibiotic)
 tylosin,(prescription)
 urapidil hydrochloride,(prescription)
VANCOMYCIN (ANTIBIOTIC)[CFS]
 venlafaxine,(prescription)
 vidarabine,(prescription)
 viloxazine hydrochloride,(prescription)
 voriconazole,(prescription)
 xamoterol hemifumarate,(prescription)
 zaleplon,(prescription)
Zidovudine, AZT
 zonisamide,(prescription)
 zotepine,(prescription)
 zuclopenthixol dihydrochloride,(prescription)

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.

(2->1)-beta-D-fructofuranan {Inulin}

bacillus,lactobacillus,streptococcus,saccharomyces probiotic

dietary fiber

Fiber, total dietary

fruit

fruit/legume fibre

High-fibre diet {Whole food diet}

Hordeum vulgare {Barley}

long-term, moderate-intensity exercise {exercise}

oligosaccharides {oligosaccharides}

pectin {pectin}

Slow digestible carbohydrates. {Low Glycemic}

β-glucan {Beta-Glucan}

whole-grain diet

Sample of Literature Used

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

Gut dysbiosis in patients with chronic pain: a systematic review and meta-analysis.

Frontiers in immunology , Volume: 15 2024

Authors Goudman L, Demuyser T, Pilitsis JG, Billot M, Roulaud M, Rigoard P, Moens M

The Influence of Dietary Supplementations on Neuropathic Pain.

Life (Basel, Switzerland) , Volume: 12 Issue: 8 2022 Jul 27

Authors D`Egidio F, Lombardozzi G, Kacem Ben Haj M`Barek HE, Mastroiacovo G, Alfonsetti M, Cimini A

Gut microbiota depletion by antibiotics ameliorates somatic neuropathic pain induced by nerve injury, chemotherapy, and diabetes in mice.

Journal of neuroinflammation , Volume: 19 Issue: 1 2022 Jun 28

Authors Ma P, Mo R, Liao H, Qiu C, Wu G, Yang C, Zhang Y, Zhao Y, Song XJ

Integrated 16S rRNA Gene Sequencing and Metabolomics Analysis to Investigate the Important Role of Osthole on Gut Microbiota and Serum Metabolites in Neuropathic Pain Mice.

Frontiers in physiology , Volume: 13 2022

Authors Li R, Wang F, Dang S, Yao M, Zhang W, Wang J

Distinctive Microbial Signatures and Gut-Brain Crosstalk in Pediatric Patients with Coeliac Disease and Type 1 Diabetes Mellitus.

International journal of molecular sciences , Volume: 22 Issue: 4 2021 Feb 3

Authors Singh P, Rawat A, Al-Jarrah B, Saraswathi S, Gad H, Elawad M, Hussain K, Hendaus MA, Al-Masri W, A Malik R, Al Khodor S, Akobeng AK

Comparative Study of the Effectiveness of Cellulose, Pectin and Citrus Peel Powder in Alleviating Loperamide-Induced Constipation.

Foods (Basel, Switzerland) , Volume: 15 Issue: 2 2026 Jan 9

Authors Yang F, Wang G, Huang M, Liu X, Tang S, Li W, Luo Y, Bai J, Huang L

Pear peel polyphenols protect against ulcerative colitis via coordinated modulation of gut microbiota and mucosal immunity.

Food & function , 2026 Jan 23

Authors Ye Y, Jiang X, Jiang Y, Zhang L, Han B, Wang Y, Liu P, Lu X, Zhang C

Age-dependent effects of exercise on gut microbiota-mitochondria axis and cognitive function in aging mice.

Journal of exercise rehabilitation , Volume: 21 Issue: 6 2025 Dec

Authors Park SS, Park HS, Choi GR, Kim SH, Kim TW

Oligosaccharides and small molecule components of Sijunzi decoction modulate the gut microbiota-bile acid axis to synergistically alleviate spleen deficiency syndrome.

Journal of ethnopharmacology , Volume: 360 2025 Dec 31

Authors Chen X, Pu Z, Ma P, Liu Y, Li X

Optimising exercise intensity for gut health: Effect on microbiota composition, barrier integrity and inflammation in male Wistar rats.

Experimental physiology , 2025 Dec 28

Authors Sylviana N, Karisa P, Romadona NF, Megantara I

Dietary fiber modulates gut microbiota and lipid metabolism ameliorating Alzheimer's pathology in 5xFAD mice.

Scientific reports , Volume: 15 Issue: 1 2025 Nov 26

Authors Zhao Y, Taylor CM, Lukiw WJ, Bazan NG

Depending on intensity, exercise improved or worsened pathology in a model of prodromal Parkinson's disease.

NPJ Parkinson's disease , Volume: 11 Issue: 1 2025 Nov 23

Authors Baldauf L, Feja M, Stanojlovic M, Strowig T, Visscher C, Schaeffer E, Berg D, Hankel J, Richter F

Dominant Gut Commensals Enriched by Pectin with Low Esterification Degree Orchestrate the Amelioration of Acute Ulcerative Colitis.

Journal of agricultural and food chemistry , Volume: 73 Issue: 47 2025 Nov 26

Authors Tan H, Chen M, Yao H, Li S, Nie S

Aerobic exercise and gut flora: a key link to improved cognitive impairment in mice with Parkinson's disease.

Frontiers in aging neuroscience , Volume: 17 2025

Authors Shan WP, Yan SL, Guo YY, Yang HK, Wang JC, Xiang J

Effects of home-based exercise training on gut microbiota and possible relations with cognitive function and metabolic health in postmenopausal women with type 2 diabetes mellitus: a randomized control trial.

Diabetes research and clinical practice , Volume: 229 2025 Oct 17

Authors Vahed A, Molanouri Shamsi M, Siadat SD, Behmanesh M, Negaresh R, Agh-Mohammadi S, Ebrahimi M

Fiber deprivation and insoluble corn-based fibrous co-products modulate gastrointestinal mucosa-associated microbiota, extracellular matrix remodeling, and intestinal morphology in growing pigs.

Journal of animal science , 2025 Oct 16

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Exercise-induced modulation of gut microbiota in individuals with obesity and type 2 diabetes: a systematic review and meta-analysis.

Frontiers in microbiology , Volume: 16 2025

Authors Lin W,Pu L,Qian X,Pan J,Cheng R,Sun P

Ethanol-Induced Dysbiosis and Systemic Impact: A Meta-Analytical Synthesis of Human and Animal Research.

Microorganisms , Volume: 13 Issue: 9 2025 Aug 27

Authors Alexandrescu L,Tofolean IT,Tofolean DE,Nicoara AD,Twakor AN,Rusu E,Preotesoiu I,Dumitru E,Dumitru A,Tocia C,Herlo A,Alexandrescu DM,Popescu I,Cimpineanu B

Bacillus coagulans-Pectin Synbiotic Modulates Gut Microbiota Composition and Attenuates Ethanol-Induced Alcoholic Liver Disease in Mice.

Microorganisms , Volume: 13 Issue: 9 2025 Aug 26

Authors Liu Z,Liu T,Fan Y,Jiang Z

Multi-omics analysis of a prebiotic intervention with pectin in lipid transfer proteins (LTPs) allergic patients.

Carbohydrate polymers , Volume: 369 2025 Dec 1

Authors Gómez F,Pérez-Sánchez N,Macías-Camero A,Núñez R,Contreras N,Cañas JA,Jiménez-Sánchez IM,Díez-Echave P,Barbas C,Guéant JL,Barber D,Vieths S,Scheurer S,Villaseñor A,Rodríguez-Nogales A,Mayorga C,Torres MJ

Hepatic Histopathological Benefit, Microbial Cost: Oral Vancomycin Mitigates Non-Alcoholic Fatty Liver Disease While Disrupting the Cecal Microbiota.

International journal of molecular sciences , Volume: 26 Issue: 17 2025 Sep 4

Authors Çirkin G,Aydemir S,Açikgöz B,Çelik A,Güler Y,Kiray M,Baykara B,Dinleyici EÇ,Öztürk Y

Effects of Dietary Ratio of Insoluble Fiber to Soluble Fiber on Reproductive Performance, Biochemical Parameters, and Fecal Microbial Composition of Gestating Sows.

Animals : an open access journal from MDPI , Volume: 15 Issue: 13 2025 Jun 23

Authors Wen X,Wu Q,Gao K,Yang X,Xiao H,Jiang Z,Wang L

Impact of exercise-induced alterations on gut microbiota diversity and composition: comparing effects of different training modalities.

Cell regeneration (London, England) , Volume: 14 Issue: 1 2025 Jul 2

Authors Wang Y,Bai S,Yang T,Guo J,Zhu X,Dong Y

Exercise Remodels Akkermansia-Associated Eicosanoid Metabolism to Alleviate Intestinal Senescence: Multi-Omics Insights.

Microorganisms , Volume: 13 Issue: 6 2025 Jun 13

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Dietary Galacto-Oligosaccharides Enhance Growth Performance and Modulate Gut Microbiota in Weaned Piglets: A Sustainable Alternative to Antibiotics.

Animals : an open access journal from MDPI , Volume: 15 Issue: 11 2025 May 22

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High doses of the galactooligosaccharides, 2'-fucosyllactose alleviate immunodeficiency in vitro and in vivo.

European journal of nutrition , Volume: 64 Issue: 5 2025 Jun 9

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Lactobacillus plantarum and Galacto-Oligosaccharides Synbiotic Relieve Irritable Bowel Syndrome by Reshaping Gut Microbiota and Attenuating Mast Cell Hyperactivation.

Nutrients , Volume: 17 Issue: 10 2025 May 14

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Barley polysaccharides modulate metabolic and mild cognitive impairment in naturally aging mice through the liver-gut-brain axis.

International journal of biological macromolecules , 2025 May 6

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Inulin Diet Alleviates Abdominal Aortic Aneurysm by Increasing Akkermansia and Improving Intestinal Barrier.

Biomedicines , Volume: 13 Issue: 4 2025 Apr 9

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Alcohol exposure alters the diversity and composition of oral microbiome.

Frontiers in cellular and infection microbiology , Volume: 15 2025

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Associations of alcohol with the human gut microbiome and prospective health outcomes in the FINRISK 2002 cohort.

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Food chemistry , Volume: 482 2025 Apr 4

Authors Chen S,Ling B,Liu X,Liu L,Feng J,Zhang J,Yang Y,Wu D,Guo Q,Liu Y

[Effects of dietary fiber on the composition, function, and symbiotic interactions of intestinal microbiota in pre-weaned calves.](#)

Frontiers in microbiology , Volume: 16 2025

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[Superior ability of dietary fiber utilization in obese breed pigs linked to gut microbial hydrogenotrophy.](#)

ISME communications , Volume: 5 Issue: 1 2025 Jan

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[Behavioral alterations in antibiotic-treated mice associated with gut microbiota dysbiosis: insights from 16S rRNA and metabolomics.](#)

Frontiers in neuroscience , Volume: 19 2025

Authors Bibi A,Zhang F,Shen J,Din AU,Xu Y

[\$\beta\$ -Glucan Alone or Combined with *Lactobacillus acidophilus* Positively Influences the Bacterial Diversity and Metabolites in the Colonic Microbiota of Type II Diabetic Patients.](#)

Probiotics and antimicrobial proteins , 2025 Feb 26

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[Gut microbiota modulation and inflammation mitigation in a murine model through a hull-less and purple grain barley genotype.](#)

Food & function , 2025 Feb 25

Authors Cortijo-Alfonso ME,Laghouchaouta H,Pena RN,Martínez M,Yuste S,Rubió-Piqué L,Piñol-Felis C

[Correlation between daily physical activity and intestinal microbiota in perimenopausal women.](#)

Sports medicine and health science , Volume: 7 Issue: 3 2025 May

Authors Zheng Y,Ke J,Song J,Li X,Kuang R,Wang H,Li S,Li Y

[Oat \$\beta\$ -glucan enhances gut barrier function and maintains intestinal homeostasis in naturally aging mice.](#)

International journal of biological macromolecules , Volume: 305 Issue: Pt 1 2025 Feb 15

Authors Huang R,Zhang J,Sun M,Xu L,Kuang H,Xu C,Guo L

[The effect of high-fiber diet based on gut microbiota in patients with chronic heart failure.](#)

Physiological genomics , Volume: 57 Issue: 3 2025 Mar 1

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[Oat Beta-Glucans Modulate the Gut Microbiome, Barrier Function, and Immune Responses in an In Vivo Model of Early-Stage Colorectal Cancer.](#)

International journal of molecular sciences , Volume: 25 Issue: 24 2024 Dec 19

Authors Guzowska M,Dziendzikowska K,Kopiasz L,Gajewska M,Wilczak J,Harasym J,Czerwinska M,Gromadzka-Ostrowska J

[Gut microbiota involvement in the effect of water-soluble dietary fiber on fatty liver and fibrosis.](#)

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Authors Sato S,Iino C,Chinda D,Sasada T,Soma G,Tateda T,Furusawa K,Yoshida K,Sawada K,Mikami T,Nakaji S,Sakuraba H,Fukuda S

[Structural Characterization of Water-Soluble Pectin from the Fruit of *Diospyros lotus* L. and Its Protective Effects against DSS-Induced Colitis in Mice.](#)

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[Impact of cigarette smoking on gut microbial dysbiosis: a structured literature review.](#)

Gut microbiome (Cambridge, England) , Volume: 5 2024

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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
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