

Microbiome Information for: Osteoporosis

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

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 Osteoporosis

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
Deferribacteres	class	Low	68337	Dialister	genus	High	39948
Erysipelotrichaceae	family	Low	128827	Eggerthella	genus	High	84111
Prevotellaceae	family	High	171552	Escherichia	genus	High	561
Rikenellaceae	family	Low	171550	Faecalibacterium	genus	High	216851
Ruminococcaceae	family	Low	541000	Helicobacter	genus	High	209
Actinomyces	genus	High	1654	Lactobacillus	genus	High	1578
Alistipes	genus	Low	239759	Megamonas	genus	Low	158846
Alloprevotella	genus	Low	1283313	Ruminococcus	genus	High	1263
Anaerostipes	genus	Low	207244	Shigella	genus	High	620
Blautia	genus	Low	572511	Subdoligranulum	genus	Low	292632
Clostridium	genus	High	1485	Veillonella	genus	High	29465
				Akkermansia muciniphila	species	Low	239935

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.

apple		linseed(flaxseed)	30 mg/day
arabinogalactan (prebiotic)	21 gram/day	mediterranean diet	
bacillus subtilis (probiotics)	10 BCFU/day	Moringa Oleifera	
Exercise		navy bean	
fat		noni	6 gram/day
fructo-oligosaccharides (prebiotic)	15 gram/day	Olive Oil	
Ginseng	2000 mg/day	pectin	
gum arabic (prebiotic)	30 gram/day	proton-pump inhibitors (prescription)	60 mg/day
high sugar diet		quercetin	2 gram/day
Human milk oligosaccharides (prebiotic, Holigos, Stachyose)	2 gram/day	raffinose(sugar beet)	
jerusalem artichoke (prebiotic)	40 gram/day	resveratrol (grape seed/polyphenols/red wine)	2 gram/day
Lactobacillus Johnsonii (probiotic)	10 BCFU/day	vitamin b2,Riboflavin	400 mg/day
lactulose		wheat bran	
		xylan (prebiotic)	

Retail Probiotics

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

probiotic pur (de) / realdose nutrition
vitamin angels / just thrive
microbiome labs / restorflora
jarrow formulas / bifidus balance® + fos
organic 3 / primal soil
SuperSmart / Bacillus Subtilis
Realdose
BIO-BOTANICAL RESEARCH / Megacidin
reserveage nutrition / beautiflora
amy meyers / primal earth probiotic
Jetson / Gut Prep
Jetson / FIT
optibac / for every day
Prescript-Assist®/SBO Probiotic
Reduz melasma / Lactobacillus Johnsonii
enviromedica terraflora sbo probiotic
Jetson (US) / Mood Probiotics
corebiotic
ISCON Elegance/ Ochek Capsule 10
Nutrition Essentials / Probiotic (900 BCFU)
klair labs / biospora
microbiome labs / hu58
perfect pass / perfect pass probiotic bacillus spore
Bio Schwartz / Advance Strength Probiotics (40 BCFU)
global health trax / threelac
bio-botanical research / proflora4r restorative probiotic
nature's instincts / ultra spore probiotic
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.

(-) -levobunolol hydrochloride,(prescription)	isoflupredone acetate,(prescription)
(-) -emtricitabine,(prescription)	isomethoptene mucate,(prescription)
(-) -eseroline fumarate salt,(prescription)	isoniazid (antibiotic)
(-) -isoproterenol hydrochloride,(prescription)	isopropamide iodide,(prescription)
(-) -mk 801 hydrogen maleate,(prescription)	isopyrin hydrochloride non-drug
(+) -levobunolol hydrochloride,(prescription)	isoquinoline; 6; 7-dimethoxy-1-methyl-1;2;3;4-tetrahydro;
(+) -isoproterenol (+) -bitartrate salt,(prescription)	hydrochloride non-drug
(+;-) -octopamine hydrochloride,(prescription)	isosorbide mononitrate,(prescription)
(+;-) -synephrine,(prescription)	isotretinoin,(prescription)
(r)(+) -atenolol,(prescription)	isoxicam,(prescription)
(r) -propranolol hydrochloride,(prescription)	isoxsuprine hydrochloride,(prescription)
(s)(-) -atenolol,(prescription)	isradipine,(prescription)
(s)(-) -cycloserine (antibiotic)	itopride,(prescription)
(s) -propranolol hydrochloride,(prescription)	itraconazole,(prescription)
2-aminobenzenesulfonamide (antibiotic)	ketanserine tartrate hydrate,(prescription)
2-chloropyrazine non-drug	ketoconazole,(prescription)
3-alpha-hydroxy-5-beta-androstan-17-one,(prescription)	ketoprofen,(prescription)
4-aminosalicylic acid (antibiotic)	ketorolac tromethamine,(prescription)
6-furfurylamino-purine non-drug	ketotifen fumarate,(prescription)
abacavir sulfate,(prescription)	khellin non-drug
acamprosate calcium,(prescription)	l(-) -vesamicol hydrochloride non-drug
acebutolol hydrochloride,(prescription)	labetalol hydrochloride,(prescription)
acedidine hydrochloride,(prescription)	lacidipine,(prescription)
acedlofenac,(prescription)	lactobacillus casei (probiotics)
acefylline,(prescription)	lactobacillus rhamnosus gg (probiotics)
acemetacin,(prescription)	lamivudine,(prescription)
acenocoumarol,(prescription)	lamotrigine,(prescription)
acetaminophen,(prescription) Paracetamol in UK	lanatoside c,(prescription)
acetazolamide,(prescription)	lansoprazole,(prescription)
acetohexamide,(prescription)	leflunomide,(prescription)
acetopromazine maleate salt,(prescription)	letrozole,(prescription)
acetylsalicylic acid non-drug	levalbuterol hydrochloride,(prescription)
acipimox,(prescription)	levamisole hydrochloride,(prescription)
acitretin,(prescription)	levetiracetam,(prescription)
acyclovir,(prescription)	levocabastine hydrochloride,(prescription)
adamantamine fumarate,(prescription)	levodopa,(prescription)
adenosine 5`-monophosphate monohydrate non-drug	levonordefrin,(prescription)
adiphenine hydrochloride,(prescription)	levopropoxyphene napsylate non-drug
adrenosterone,(prescription)	lidocaine hydrochloride,(prescription)
aldometasone dipropionate,(prescription)	lidoflazine,(prescription)
alcoholic beverages	liothyronine,(prescription)
alcuronium chloride,(prescription)	liranaftate,(prescription)
alendronate sodium,(prescription)	lisinopril,(prescription)
alfacalcidol,(prescription)	lithocholic acid non-drug
alfadolone acetate,(prescription)	lofexidine,(prescription)
alfaxalone,(prescription)	lorglumide sodium salt non-drug
alfuzosin hydrochloride,(prescription)	losartan,(prescription)
alizapride hcl,(prescription)	lovastatin,(prescription)
allantoin non-drug	loxapine succinate,(prescription)
allopurinol,(prescription)	luteolin (flavonoid)

alprenolol hydrochloride,(prescription)
 alprostadil,(prescription)
 althiazide,(prescription)
 altretamine,(prescription)
 alverine citrate salt,(prescription)
 ambrisentan,(prescription)
 ambroxol hydrochloride,(prescription)
 amcinonide,(prescription)
 amfepramone hydrochloride,(prescription)
 amidopyrine,(prescription)
 amifostine,(prescription)
 amiloride hydrochloride dihydrate,(prescription)
 aminocaproic acid,(prescription)
 aminohippuric acid,(prescription)
 aminophylline,(prescription)
 aminopurine; 6-benzyl non-drug
 amiodarone hydrochloride,(prescription)
 amiprilose hydrochloride non-drug
 amisulpride,(prescription)
 amitriptyline hydrochloride,(prescription)
 amodiaquin dihydrochloride dihydrate,(prescription)
 amoxapine,(prescription)
 amphotericin b,(prescription)
 amprolium hydrochloride,(prescription)
 ampyrone non-drug
 amrinone,(prescription)
 amyleine hydrochloride,(prescription)
 anastrozole,(prescription)
 androsterone,(prescription)
 anethole-trithione,(prescription)
 aniracetam,(prescription)
 antazoline hydrochloride,(prescription)
 antimycin a,(prescription)
 antipyrine,(prescription)
 antipyrine; 4-hydroxy non-drug
 apramycin (antibiotic)s
 Arbutin (polyphenol)
 argatroban,(prescription)
 artemisinin,(prescription)
 artocaine hydrochloride,(prescription)
 asenapine maleate,(prescription)
 astemizole,(prescription)
 atovaquone,(prescription)
 atractyloside potassium salt non-drug
 atracurium besylate,(prescription)
 atropine sulfate monohydrate,(prescription)
 azacyclonol,(prescription)
 azacytidine-5,(prescription)
 azaguanine-8,(prescription)
 azaperone,(prescription)
 azapropazone,(prescription)
 azelastine hcl,(prescription)
 bacillus licheniformis,(probiotics)
 baclofen (r;s),(prescription)
 balsalazide sodium,(prescription)
 bambuterol hydrochloride,(prescription)
 beclomethasone dipropionate,(prescription)
 bemegride,(prescription)
 lynestrenol,(prescription)
 maprotiline hydrochloride,(prescription)
 mebendazole,(prescription)
 mebeverine hydrochloride,(prescription)
 mebhydroline 1:5-naphtalenedisulfonate,(prescription)
 mecamlamine hydrochloride,(prescription)
 meclofenamic acid sodium salt monohydrate,(prescription)
 meclofenoxate hydrochloride,(prescription)
 meclozine dihydrochloride,(prescription)
 medrysone,(prescription)
 mefenamic acid,(prescription)
 mefexamide hydrochloride,(prescription)
 meggestrol acetate,(prescription)
 meglumine,(prescription)
 melatonin supplement
 melengestrol acetate non-drug
 meloxicam,(prescription)
 memantine hydrochloride,(prescription)
 mepenzolate bromide,(prescription)
 mephenesin,(prescription)
 mephentermine hemisulfate,(prescription)
 mephenytoin,(prescription)
 mepivacaine hydrochloride,(prescription)
 mepylcaine hydrochloride,(prescription)
 meptazinol hydrochloride,(prescription)
 merbromin
 mesalamine,(prescription)
 mesna,(prescription)
 mesoridazine besylate,(prescription)
 metaproterenol sulfate; orciprenaline sulfate,(prescription)
 metaraminol bitartrate,(prescription)
 metergoline,(prescription)
 methacholine chloride,(prescription)
 methantheline bromide,(prescription)
 methapyrilene hydrochloride,(prescription)
 methazolamide,(prescription)
 methenamine (antibiotic)
 methiazole,(prescription)
 methimazole,(prescription)
 methiothepin maleate,(prescription)
 methocarbamol,(prescription)
 methotrimeprazine maleate salt,(prescription)
 methoxamine hydrochloride,(prescription)
 methylatropine nitrate,(prescription)
 methyldopa (l;-),(prescription)
 methyldopate hydrochloride,(prescription)
 methylergometrine maleate,(prescription)
 methylhydantoin-5-(d) non-drug
 methylhydantoin-5-(l) non-drug
 methylprednisolone; 6-alpha,(prescription)
 meticrane,(prescription)
 metixene hydrochloride,(prescription)
 metoclopramide monohydrochloride,(prescription)
 metolazone,(prescription)
 metoprolol-(+;-) (+)-tartrate salt,(prescription)
 metrizamide,(prescription)
 metyrapone,(prescription)
 mevalonic-d; l acid lactone non-drug

benazepril hcl,(prescription)
 bendroflumethiazide,(prescription)
 benfluorex hydrochloride,(prescription)
 benfotiamine,(prescription)
 benoxinate hydrochloride,(prescription)
 benperidol,(prescription)
 benserazide hydrochloride non-drug
 benzamil hydrochloride,(prescription)
 benzocaine,(prescription)
 benzonatate,(prescription)
 benzthiazide,(prescription)
 benztropine mesylate,(prescription)
 benzydamine hydrochloride,(prescription)
 benzylpenicillin sodium (antibiotic)
 bethovenium hydroxynaphthoate,(prescription)
 bepridil hydrochloride,(prescription)
 berberine
 beta-escin non-drug
 betahistine mesylate,(prescription)
 betamethasone,(prescription)
 betazole hydrochloride,(prescription)
 bethanechol chloride,(prescription)
 bezafibrate,(prescription)
 bicalutamide,(prescription)
 bifidobacterium animalis lactis (probiotics)
 bifonazole,(prescription)
 biperiden hydrochloride,(prescription)
 bisacodyl,(prescription)
 bisoprolol fumarate,(prescription)
 bosentan,(prescription)
 bretylium tosylate,(prescription)
 brinzolamide,(prescription)
 bromhexine hydrochloride,(prescription)
 bromocryptine mesylate,(prescription)
 bromopride,(prescription)
 bromperidol,(prescription)
 brompheniramine maleate,(prescription)
 budadesine sodium salt,(prescription)
 budesonide,(prescription)
 buflomedil hydrochloride,(prescription)
 bumetanide,(prescription)
 bupivacaine hydrochloride,(prescription)
 bupropion hydrochloride,(prescription)
 buspirone hydrochloride,(prescription)
 busulfan,(prescription)
 butacaine,(prescription)
 butalbital,(prescription)
 butamben,(prescription)
 butenafine hydrochloride,(prescription)
 butoconazole nitrate,(prescription)
 butylparaben non-drug
 butylscopolammonium (n-) bromide,(prescription)
 calcipotriene,(prescription)
 camptothecine (s;+) non-drug
 camylofine chlorhydrate,(prescription)
 candesartan,(prescription)
 canrenoic acid potassium salt,(prescription)
 canrenone,(prescription)
 mevastatin,(prescription)
 mexiletine hydrochloride,(prescription)
 mianserine hydrochloride,(prescription)
 midodrine hydrochloride,(prescription)
 mifepristone,(prescription)
 miglitol,(prescription)
 milrinone,(prescription)
 minaprine dihydrochloride,(prescription)
 minocycline (antibiotic)s[CFS]
 minoxidil,(prescription)
 mirtazapine,(prescription)
 misoprostol,(prescription)
 mitotane,(prescription)
 mizolastine,(prescription)
 moclobemide,(prescription)
 modafinil,(prescription)
 molindone hydrochloride,(prescription)
 molsidomine,(prescription)
 monobenzene,(prescription)
 montelukast,(prescription)
 morantel tartrate,(prescription)
 moricizine hydrochloride,(prescription)
 moroxidine hydrochloride,(prescription)
 morpholinoethylamino-3-benzocyclohepta-(5;6-c)-pyridazine
 dihydrochloride non-drug
 moxislyte hydrochloride,(prescription)
 moxonidine,(prescription)
 n6-methyladenosine non-drug
 nabumetone,(prescription)
 n-acetyl-dl-homocysteine thiolactone,(prescription)
 n-acetyl-L-leucine,(prescription)
 nadide non-drug
 nadolol,(prescription)
 nafronyl oxalate,(prescription)
 naftifine hydrochloride,(prescription)
 naftopidil dihydrochloride,(prescription)
 nalbuphine hydrochloride,(prescription)
 nalmefene hydrochloride,(prescription)
 naloxone hydrochloride,(prescription)
 naltrexone hydrochloride dihydrate,(prescription)
 nandrolone,(prescription)
 naphazoline hydrochloride,(prescription)
 naproxen,(prescription)
 nefopam hydrochloride,(prescription)
 neomycin (antibiotic)s[CFS]
 neostigmine bromide,(prescription)
 nialamide,(prescription)
 nicardipine hydrochloride,(prescription)
 nicergoline,(prescription)
 nicorandil,(prescription)
 nicotinamide,(prescription)
 nifedipine,(prescription)
 nifenazone,(prescription)
 niflumic acid,(prescription)
 nilutamide,(prescription)
 nilvadipine,(prescription)
 nimesulide,(prescription)
 nimodipine,(prescription)

captopril,(prescription)
 carbachol,(prescription)
 carbamazepine,(prescription)
 carbarsone non-drug
 carbenoxolone disodium salt,(prescription)
 carbetapentane citrate,(prescription)
 carbidopa non-drug
 carbimazole,(prescription)
 carbinoxamine maleate salt,(prescription)
 carisoprodol,(prescription)
 carprofen,(prescription)
 carteolol hydrochloride,(prescription)
 catharanthine,(prescription)
 cefadroxil (antibiotic)
 ceforanide (antibiotic)
 cefsulodin sodium salt (antibiotic)
 ceftazidime (antibiotic)s
 celecoxib,(prescription)
 celiprolol hcl,(prescription)
 cetirizine dihydrochloride,(prescription)
 chenodiol,(prescription)
 chlorambucil,(prescription)
 chloramphenicol (antibiotic)s
 chlorcyclizine hydrochloride,(prescription)
 chlormadinone acetate,(prescription)
 chlormezanone,(prescription)
 chloropyramine hydrochloride,(prescription)
 chloroquine diphosphate,(prescription)[CFS]
 chlorothiazide,(prescription)
 chlorotrianisene,(prescription)
 chlorpheniramine maleate,(prescription)
 chlorphensin carbamate,(prescription)
 chlorpromazine hydrochloride,(prescription)
 chlorpropamide,(prescription)
 chlorprothixene hydrochloride,(prescription)
 chlorthalidone,(prescription)
 chlorzoxazone,(prescription)
 ciclopirox ethanolamine,(prescription)
 cilostazol,(prescription)
 cimetidine,(prescription)
 cinnarizine,(prescription)
 ciprofibrate,(prescription)
 ciprofloxacin (antibiotic)s[CFS]
 cisapride,(prescription)
 citalopram hydrobromide,(prescription)
 clavulanate potassium salt (antibiotic)
 clobopride maleate,(prescription)
 clemastine fumarate,(prescription)
 clemizole hydrochloride,(prescription)
 clenbuterol hydrochloride,(prescription)
 clidinium bromide,(prescription)
 clobetasol propionate,(prescription)
 clobutinol hydrochloride,(prescription)
 clocortolone pivalate,(prescription)
 clodronate,(prescription)
 clofibrate,(prescription)
 clofibric acid non-drug
 clofillium tosylate,(prescription)
 nisoldipine,(prescription)
 nisooxetine hydrochloride non-drug
 nitrendipine,(prescription)
 nitrocaramiphen hydrochloride non-drug
 nitrofurantoin (antibiotic)
 nizatidine,(prescription)
 nocodazole,(prescription)
 nomegestrol acetate,(prescription)
 nomifensine maleate,(prescription)
 norcyclobenzaprine,(prescription)
 norethindrone,(prescription)
 norethynodrel,(prescription)
 norgestimate,(prescription)
 norgestrel(-)-d,(prescription)
 nortriptyline hydrochloride,(prescription)
 nylidrin,(prescription)
 nystatine,(prescription)
 olmesartan,(prescription)
 olopatadine hydrochloride,(prescription)
 omeprazole,(prescription)
 ondansetron hydrochloride,(prescription)
 opipramol dihydrochloride,(prescription)
 orphenadrine hydrochloride,(prescription)
 oxalamine citrate salt,(prescription)
 oxandrolone,(prescription)
 oxantel pamoate,(prescription)
 oxaprozin,(prescription)
 oxcarbazepine,(prescription)
 oxfendazol,(prescription)
 oxibendazol,(prescription)
 oxprenolol hydrochloride,(prescription)
 oxybenzone non-drug
 oxybutynin chloride,(prescription)
 oxymetazoline hydrochloride,(prescription)
 oxyphenbutazone,(prescription)
 ozagrel hydrochloride,(prescription)
 paclitaxel,(prescription)
 pancuronium bromide,(prescription)
 panthenol (d),(prescription)
 papaverine hydrochloride,(prescription)
 parbendazole,(prescription)
 pargyline hydrochloride,(prescription)
 paroxetine hydrochloride,(prescription)
 parthenolide non-drug
 pemirolast potassium,(prescription)
 pempidine tartrate,(prescription)
 penbutolol sulfate,(prescription)
 penciclovir,(prescription)
 penicillamine,(prescription)
 pentetic acid non-drug
 pentobarbital,(prescription)
 pentolinium bitartrate,(prescription)
 pentoxifylline,(prescription)
 pentylenetetrazole,(prescription)
 pepstatin a non-drug
 pergolide mesylate,(prescription)
 perhexiline maleate,(prescription)
 perindopril,(prescription)

domiphen citrate (z;e),(prescription)
 clonidine hydrochloride,(prescription)
 clonixin lysinate,(prescription)
 clopamide,(prescription)
 cloperastine hydrochloride,(prescription)
 clorgyline hydrochloride,(prescription)
 clorsulon,(prescription)
 clotrimazole,(prescription)
 clozapine,(prescription)
 colchicine,(prescription)
 corticosterone non-drug
 cortisol acetate,(prescription)
 cortisone,(prescription)
 cromolyn disodium salt,(prescription)
 crotamiton,(prescription)
 Curcumin
 cyclizine hydrochloride,(prescription)
 cycloheximide non-drug
 cyclopenthiazine,(prescription)
 cyclopentolate hydrochloride,(prescription)
 cyclophosphamide,(prescription)
 cyproheptadine hydrochloride,(prescription)
 cyproterone acetate,(prescription)
 cytarabine,(prescription)
 dacarbazine,(prescription)
 danazol,(prescription)
 dantrolene sodium salt,(prescription)
 dapson (antibiotic)[CFS]
 darifenacin hydrobromide,(prescription)
 d-cycloserine (antibiotic)
 debrisoquin sulfate,(prescription)
 decamethonium bromide,(prescription)
 deferoxamine mesylate,(prescription)
 deflazacort,(prescription)
 dehydrocholic acid non-drug
 dehydroisoandrosterone 3-acetate,(prescription)
 demecarium bromide,(prescription)
 denatonium benzoate non-drug
 deoxycorticosterone,(prescription)
 depropine citrate,(prescription)
 desipramine hydrochloride,(prescription)
 desloratadine,(prescription)
 dexamethasone acetate,(prescription)
 dexfenfluramine hydrochloride,(prescription)
 dextromethorphan hydrobromide monohydrate,(prescription)
 diazoxide,(prescription)
 dibenzepine hydrochloride,(prescription)
 dibucaine,(prescription)
 dichlorphenamide,(prescription)
 diclofenac sodium,(prescription)
 dicumarol,(prescription)
 dicyclomine hydrochloride,(prescription)
 didanosine,(prescription)
 dienestrol,(prescription)
 diethylcarbamazine citrate,(prescription)
 diethylstilbestrol,(prescription)
 diflorasone diacetate,(prescription)
 diflunisal,(prescription)
 perphenazine,(prescription)
 phenacetin,(prescription)
 phenazopyridine hydrochloride,(prescription)
 phenelzine sulfate,(prescription)
 phenformin hydrochloride,(prescription)
 phenindione,(prescription)
 pheniramine maleate,(prescription)
 phenoxybenzamine hydrochloride,(prescription)
 phensuximide,(prescription)
 phentermine hydrochloride,(prescription)
 phentolamine hydrochloride,(prescription)
 phenylbutazone,(prescription)
 phenylpropanolamine hydrochloride,(prescription)
 phthalylsulfathiazole (antibiotic)
 picotamide monohydrate,(prescription)
 picrotoxinin non-drug
 pilocarpine nitrate,(prescription)
 pimethixene maleate,(prescription)
 pinacidil,(prescription)
 pindolol,(prescription)
 pioglitazone,(prescription)
 pipenzolate bromide,(prescription)
 piperacetazine non-drug
 piperacillin-tazobactam (antibiotic)s
 piperidolate hydrochloride,(prescription)
 pirenperone non-drug
 pirenzepine dihydrochloride,(prescription)
 piretanide,(prescription)
 piribedil hydrochloride,(prescription)
 pirlindole mesylate,(prescription)
 piromidic acid (antibiotic)
 piroxicam,(prescription)
 pizotifen malate,(prescription)
 podophyllotoxin,(prescription)
 practolol,(prescription)
 pralidoxime chloride,(prescription)
 pramipexole,(prescription)
 pramoxine hydrochloride,(prescription)
 pranlukast,(prescription)
 pranoprofen,(prescription)
 pravastatin,(prescription)
 praziquantel,(prescription)
 prazosin hydrochloride,(prescription)
 prednicarbate,(prescription)
 prednisolone,(prescription)
 prednisone,(prescription)
 pregnenolone non-drug
 prenylamine lactate,(prescription)
 pridinol methanesulfonate salt,(prescription)
 prilocaine hydrochloride,(prescription)
 primaquine diphosphate,(prescription)
 primidone,(prescription)
 proadifen hydrochloride non-drug
 probenecid,(prescription)
 probucol,(prescription)
 procainamide hydrochloride,(prescription)
 procaine hydrochloride,(prescription)
 procarbazine hydrochloride,(prescription)

digtioxigenin,(prescription)
 digoxigenin non-drug
 digoxin,(prescription)
 dihydroergotamine tartrate,(prescription)
 dihydrostreptomycin sulfate (antibiotic)
 dilazep dihydrochloride,(prescription)
 diloxanide furoate,(prescription)
 diltiazem hydrochloride,(prescription)
 dimaprit dihydrochloride non-drug
 dimenhydrinate,(prescription)
 dimethadione,(prescription)
 dimethisoquin hydrochloride,(prescription)
 dinoprost trometamol,(prescription)
 diosmin,(polyphenol)
 dioxybenzone non-drug
 dipiperdon hydrochloride non-drug
 diphemanil methylsulfate,(prescription)
 diphenhydramine hydrochloride,(prescription)
 diphenidol hydrochloride,(prescription)
 diphenylpyraline hydrochloride,(prescription)
 dipivefrin hydrochloride,(prescription)
 diprophylline,(prescription)
 dipyridamole,(prescription)
 dipyrone,(prescription)
 disopyramide,(prescription)
 disulfiram,(prescription)
 dizocilpine maleate,(prescription)
 do 897/99 non-drug
 dobutamine hydrochloride,(prescription)
 docetaxel,(prescription)
 dolasetron mesilate,(prescription)
 domperidone,(prescription)
 dopamine (prescription)
 dorzolamide hydrochloride,(prescription)
 dosulepin hydrochloride,(prescription)
 doxazosin mesylate,(prescription)
 doxepin hydrochloride,(prescription)
 doxofylline,(prescription)
 doxylamine succinate,(prescription)
 drofenine hydrochloride,(prescription)
 droperidol,(prescription)
 dropropizine (r,s),(prescription)
 dyclonine hydrochloride,(prescription)
 dydrogesterone,(prescription)
 ebumamonine (-),(prescription)
 edrophonium chloride,(prescription)
 emedastine,(prescription)
 enalapril maleate,(prescription)
 enilconazole,(prescription)
 entacapone,(prescription)
 enterococcus faecium (probiotic)
 epiandrosterone,(prescription)
 epirizole,(prescription)
 epitiostandol,(prescription)
 equilin,(prescription)
 erlotinib,(prescription)
 escitalopram,(prescription)
 eserine hemisulfate salt,(prescription)
 procyclidine hydrochloride,(prescription)
 progesterone,(prescription)
 proglumide,(prescription)
 proguanil hydrochloride,(prescription)
 promazine hydrochloride,(prescription)
 promethazine hydrochloride,(prescription)
 pronethalol hydrochloride non-drug
 propafenone hydrochloride,(prescription)
 propantheline bromide,(prescription)
 proparacaine hydrochloride,(prescription)
 propidium iodide non-drug
 propofol,(prescription)
 propoxycaine hydrochloride,(prescription)
 propylthiouracil,(prescription)
 proscillaridin a,(prescription)
 prothionamide (antibiotic)
 protriptyline hydrochloride,(prescription)
 pyrantel tartrate,(prescription)
 pyrazinamide (antibiotic)
 pyridostigmine iodide,(prescription)
 pyrilamine maleate,(prescription)
 pyrithydione,(prescription)
 quetiapine hemifumarate,(prescription)
 quinacrine dihydrochloride dihydrate,(prescription)
 quinapril hcl,(prescription)
 quinethazone,(prescription)
 quinidine hydrochloride monohydrate,(prescription)
 quipazine dimaleate salt non-drug
 r(-) apomorphine hydrochloride hemihydrate,(prescription)
 rabeprazole sodium salt,(prescription)
 racecadotril,(prescription)
 racepinephrine hcl,(prescription)
 Racetams
 raclopride non-drug
 raloxifene hydrochloride,(prescription)
 ramipril,(prescription)
 ranitidine hydrochloride,(prescription)
 ranolazine,(prescription)
 rebamipide,(prescription)
 reboxetine mesylate,(prescription)
 remoxipride hydrochloride,(prescription)
 repaglinide,(prescription)
 reserpine,(prescription)
 retinoic acid,(Vitamin A derivative)
 ribavirin,(prescription)
 rifampicin (antibiotic)s
 riluzole hydrochloride,(prescription)
 rimantadine hydrochloride,(prescription)
 rimexolone,(prescription)
 ritodrine hydrochloride,(prescription)
 rivastigmine,(prescription)
 rofecoxib,(prescription)
 rolipram non-drug
 ropinirole hcl,(prescription)
 rosiglitazone hydrochloride,(prescription)
 roxatidine acetate hcl,(prescription)
 s(-)eticlopride hydrochloride non-drug
 saccharin

esmolol hydrochloride,(prescription)
estradiol-17 beta,(prescription)
estriol,(prescription)
estrone,(prescription)
estropipate,(prescription)
etanidazole,(prescription)
ethacrynic acid,(prescription)
ethambutol dihydrochloride (antibiotic)
ethamivan,(prescription)
ethamsylate,(prescription)
ethaverine hydrochloride,(prescription)
ethinylestradiol,(prescription)
ethionamide (antibiotic)
ethisterone,(prescription)
ethopropazine hydrochloride,(prescription)
ethosuximide,(prescription)
ethotoin,(prescription)
ethoxyquin non-drug
ethynodiol diacetate,(prescription)
ethynylestradiol 3-methyl ether,(prescription)
etidronic acid; disodium salt,(prescription)
etifenin,(prescription)
etilefrine hydrochloride,(prescription)
etodolac,(prescription)
etofenamate,(prescription)
etofylline,(prescription)
etomidate,(prescription)
etoposide,(prescription)
etoricoxib,(prescription)
etretinate,(prescription)
eucatropine hydrochloride non-drug
exemestane,(prescription)
famciclovir,(prescription)
famotidine,(prescription)
famprofazone,(prescription)
felbinac,(prescription)
fenbendazole,(prescription)
fenbufen,(prescription)
fenipentol,(prescription)
fenofibrate,(prescription)
fenoprofen calcium salt dihydrate,(prescription)
fenoterol hydrobromide,(prescription)
fenspiride hydrochloride,(prescription)
fentiazac,(prescription)
fexofenadine hcl,(prescription)
finasteride,(prescription)
fipexide hydrochloride,(prescription)
Fisetin
flavoxate hydrochloride,(prescription)
flecainide acetate,(prescription)
flubendazol,(prescription)
fluconazole,(prescription)
fludarabine,(prescription)
fludrocortisone acetate,(prescription)
flufenamic acid,(prescription)
flumethasone,(prescription)
flunarizine dihydrochloride,(prescription)
flunisolide,(prescription)
salbutamol,(prescription)
salmeterol,(prescription)
salt (sodium chloride)
saquinavir mesylate,(prescription)
scopolamine hydrochloride,(prescription)
scopolamin-n-oxide hydrobromide,(prescription)
selegiline hydrochloride,(prescription)
serotonin hydrochloride non-drug
sertaconazole nitrate,(prescription)
sibutramine hcl,(prescription)
sildenafil,(prescription)
simvastatin,(prescription)
sotalol hydrochloride,(prescription)
spaglumic acid,(prescription)
spectinomycin dihydrochloride (antibiotic)
spironolactone,(prescription)
stanozolol,(prescription)
stavudine,(prescription)
streptomycin (antibiotic)s
succinylsulfathiazole (antibiotic)
sulconazole nitrate,(prescription)
sulfabenzamide
sulfacetamide sodic hydrate (antibiotic)
sulfachloropyridazine,(prescription)
sulfadiazine (antibiotic)
sulfadimethoxine (antibiotic)
sulfadoxine,(prescription)
sulfaguanidine (antibiotic)
sulfamerazine (antibiotic)
sulfameter (antibiotic)
sulfamethazine sodium salt (antibiotic)
sulfamethizole (antibiotic)
sulfamethoxazole (antibiotic)
sulfamethoxypyridazine (antibiotic)
sulfamonomethoxine,(prescription)
sulfanilamide (antibiotic)
sulfaphenazole (antibiotic)
sulfapyridine (antibiotic)
sulfaquinoxaline sodium salt,(prescription)
sulfasalazine,(prescription)
sulfathiazole (antibiotic)
sulfinpyrazone,(prescription)
sulfisoxazole (antibiotic)
sulindac,(prescription)
sulfazole non-drug
sulpiride,(prescription)
Sumac(Rhus coriaria)
sumatriptan succinate,(prescription)
suprofen,(prescription)
suxibuzone,(prescription)
syzygium aromaticum (clove)
tacrine hydrochloride,(prescription)
tazobactam (antibiotic)
telenzepine dihydrochloride,(prescription)
telmisartan,(prescription)
temozolomide,(prescription)
tenatoprazole non-drug
tenoxicam,(prescription)

flunixin meglumine,(prescription)
 fluocinolone acetonide,(prescription)
 fluocinonide,(prescription)
 fluorometholone,(prescription)
 fluoroquinolone (antibiotic)s
 fluoxetine hydrochloride,(prescription)
 flurandrenolide,(prescription)
 flurbiprofen,(prescription)
 fluspirilen,(prescription)
 flutamide,(prescription)
 fluticasone propionate,(prescription)
 fluvastatin sodium salt,(prescription)
 fluvoxamine maleate,(prescription)
 folinic acid calcium salt,(prescription)
 fomepizole,(prescription)
 formestane,(prescription)
 fosfosal,(prescription)
 fosinopril,(prescription)
 fulvestrant,(prescription)
 furosemide,(prescription)
 fursultiamine hydrochloride non-drug
 gabapentin,(prescription)
 gabazine bromide non-drug
 gabexate mesilate non-drug
 galanthamine hydrobromide,(prescription)
 gallamine triethiodide,(prescription)
 ganciclovir,(prescription)
 gbr 12909 dihydrochloride,(prescription)
 gefitinib,(prescription)
 gemfibrozil,(prescription)
 gentamicin (antibiotic)s
 gestrinone,(prescription)
 glafenine hydrochloride,(prescription)
 glibenclamide,(prescription)
 glipizide,(prescription)
 glimepiride,(prescription)
 glipizide,(prescription)
 gliquidone,(prescription)
 glutethimide; para-amino,(prescription)
 glycine
 glycopyrrolate,(prescription)
 granisetron,(prescription)
 grapes
 green tea
 griseofulvin,(prescription)
 Guaiacol (polyphenol)
 guaifenesin,(prescription)
 guanabenz acetate,(prescription)
 guanadrel sulfate,(prescription)
 guanethidine sulfate,(prescription)
 guanfacine hydrochloride,(prescription)
 halcinonide,(prescription)
 halofantrine hydrochloride,(prescription)
 hemicholinium bromide non-drug
 heptaminol hydrochloride,(prescription)
 Hesperidin (polyphenol)
 hexamethonium dibromide dihydrate non-drug
 hexestrol,(prescription)
 terazosin hydrochloride,(prescription)
 terbutaline hemisulfate,(prescription)
 terconazole,(prescription)
 testosterone propionate,(prescription)
 tetracaine hydrochloride,(prescription)
 tetracycline (antibiotic)s
 tetraethylenepentamine pentahydrochloride non-drug
 tetrahydroxy-1;4-quinone monohydrate non-drug
 tetrahydrozoline hydrochloride,(prescription)
 tetramisole hydrochloride,(prescription)
 thalidomide,(prescription)
 Theobromine (in food)
 theophylline monohydrate,(prescription)
 thiocolchicoside,(prescription)
 thioperamide maleate non-drug
 thioproperazine dimesylate,(prescription)
 thiorphan,(prescription)
 thip hydrochloride non-drug
 thyme (thymol, thyme oil)
 tiabendazole,(prescription)
 tiapride hydrochloride,(prescription)
 tiaprofenic acid,(prescription)
 tibolone,(prescription)
 ticlopidine hydrochloride,(prescription)
 tiletamine hydrochloride,(prescription)
 timolol maleate salt,(prescription)
 tizanidine hcl,(prescription)
 tocainide hydrochloride,(prescription)
 todralazine hydrochloride non-drug
 tolazamide,(prescription)
 tolazoline hydrochloride,(prescription)
 tolbutamide,(prescription)
 tolfenamic acid,(prescription)
 tolmetin sodium salt dihydrate,(prescription)
 tomoxetine hydrochloride,(prescription)
 topiramate,(prescription)
 topotecan,(prescription)
 torsemide,(prescription)
 tracazolate hydrochloride non-drug
 tramadol hydrochloride,(prescription)
 tranexamic acid,(prescription)
 tranilast,(prescription)
 tranlycypromine hydrochloride,(prescription)
 trapidil,(prescription)
 trazodone hydrochloride,(prescription)
 tremorine dihydrochloride non-drug
 triamcinolone,(prescription)
 triamterene,(prescription)
 tribenoside,(prescription)
 trichlorfon,(prescription)
 trichlormethiazide,(prescription)
 triflupromazine hydrochloride,(prescription)
 triflusal,(prescription)
 trihexyphenidyl-d;l hydrochloride,(prescription)
 trimeprazine tartrate,(prescription)
 trimetazidine dihydrochloride,(prescription)
 trimethadione,(prescription)
 trimethobenzamide hydrochloride,(prescription)

hexetidine
hexylcaine hydrochloride,(prescription)
high salt
homatropine hydrobromide (r,s),(prescription)
homochlorcyclizine dihydrochloride,(prescription)
homosalate non-drug
hycanthone,(prescription)
hydralazine hydrochloride,(prescription)
hydrochlorothiazide,(prescription)
hydroflumethiazide,(prescription)
hydroxychloroquine sulfate,(prescription)
hydroxytacrine maleate (r,s),(prescription)
hydroxyzine dihydrochloride,(prescription)
hymecromone,(prescription)
hyoscyamine (l),(prescription)
ibandronate sodium,(prescription)
ibudilast,(prescription)
ibuprofen
ibutilide fumarate,(prescription)
idazoxan hydrochloride non-drug
idebenone,(prescription)
ifenprodil tartrate,(prescription)
ifosfamide,(prescription)
imatinib,(prescription)
imidurea non-drug
imipenem (antibiotic)s
imipramine hydrochloride,(prescription)
imiquimod,(prescription)
indapamide,(prescription)
indatraline hydrochloride non-drug
indomethacin,(prescription)
indoprofen,(prescription)
iobenguane sulfate,(prescription)
iodipamide,(prescription)
iodixanol,(prescription)
iohexol,(prescription)
iopamidol,(prescription)
iopromide,(prescription)
ioversol,(prescription)
ioxaglic acid,(prescription)
iproniazide phosphate,(prescription)
ipsapirone non-drug
irinotecan hydrochloride trihydrate,(prescription)
irsogladine maleate,(prescription)
isocarboxazid,(prescription)
isoetharine mesylate salt,(prescription)
trimethoprim (antibiotic)s
trimipramine maleate salt,(prescription)
trioxsalen,(prescription)
tripelennamine hydrochloride,(prescription)
triprolidine hydrochloride,(prescription)
troglitazone,(prescription)
trolox non-drug
tropicamide,(prescription)
tropisetron hcl,(prescription)
tulobuterol,(prescription)
tyloxapol,(prescription)
Umeboshi (Japanese Apricot or Prunus mume)
urapidil hydrochloride,(prescription)
urosiol,(prescription)
valacyclovir hydrochloride,(prescription)
valproic acid,(prescription)
vardenafil,(prescription)
vatalanib,(prescription)
vecuronium bromide,(prescription)
venlafaxine,(prescription)
verapamil hydrochloride,(prescription)
vidarabine,(prescription)
vigabatrin,(prescription)
viloxazine hydrochloride,(prescription)
vincamine,(prescription)
vinpocetine,(prescription)
viomycin sulfate (antibiotic)
vitamin B3,niacin
Vitamin B6,pyridoxine hydrochloride
voriconazole,(prescription)
vorinostat,(prescription)
warfarin,(prescription)
xamoterol hemifumarate,(prescription)
xylazine,(prescription)
xylometazoline hydrochloride,(prescription)
yohimbine hydrochloride,(prescription)
zafirlukast,(prescription)
zalcitabine,(prescription)
zaleplon,(prescription)
zaprinast non-drug
zardaverine non-drug
zimetidine dihydrochloride monohydrate,(prescription)
ziprasidone,hydrochloride,(prescription)
zomepirac sodium salt,(prescription)
zonisamide,(prescription)
zopiclone,(prescription)
zotepine,(prescription)
zoxazolamine non-drug
zuclopenthixol dihydrochloride,(prescription)

Sample of Literature Used

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

[Changes in the gut microbiota of osteoporosis patients based on 16S rRNA gene sequencing: a systematic review and meta-analysis.](#)

Journal of Zhejiang University. Science. B , Volume: 23 Issue: 12 2022 Dec 15

Authors Huang R,Liu P,Bai Y,Huang J,Pan R,Li H,Su Y,Zhou Q,Ma R,Zong S,Zeng G

[Assessment of fecal *Akkermansia muciniphila* in patients with osteoporosis and osteopenia: a pilot study.](#)

Journal of diabetes and metabolic disorders , Volume: 20 Issue: 1 2021 Jun

Authors Keshavarz Azizi Raftar S,Hoseini Tavassol Z,Amiri M,Ejtahed HS,Zangeneh M,Sadeghi S,Ashrafi F,Kariman A,Khatami S,Siadat SD

[The gut microbiota alteration and the key bacteria in Astragalus polysaccharides \(APS\)-improved osteoporosis.](#)

Food research international (Ottawa, Ont.) , Volume: 138 Issue: Pt B 2020 Dec

Authors Liu J,Liu J,Liu L,Zhang G,Zhou A,Peng X

[The Osteoporosis/Microbiota Linkage: The Role of miRNA.](#)

International journal of molecular sciences , Volume: 21 Issue: 23 2020 Nov 24

Authors De Martinis M,Ginaldi L,Allegra A,Sirufi MM,Pioggia G,Tonacci A,Gangemi S

[Association between gut microbiota, bone metabolism, and fracture risk in postmenopausal Japanese women.](#)

Osteoporosis international : a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA , Volume: 32 Issue: 1 2021 Jan

Authors Ozaki D,Kubota R,Maeno T,Abdelhakim M,Hitosugi N

[Gut microbiome and osteoporosis: a review.](#)

Bone & joint research , Volume: 9 Issue: 8 2020 Aug

Authors Li S,Mao Y,Zhou F,Yang H,Shi Q,Meng B

[Association of gut microbiota composition and function with an aged rat model of senile osteoporosis using 16S rRNA and metagenomic sequencing analysis.](#)

Aging , Volume: 12 Issue: 11 2020 Jun 2

Authors Ma S,Qin J,Hao Y,Fu L

[Gut Microbiome Reveals Specific Dysbiosis in Primary Osteoporosis.](#)

Frontiers in cellular and infection microbiology , Volume: 10 2020

Authors Xu Z,Xie Z,Sun J,Huang S,Chen Y,Li C,Sun X,Xia B,Tian L,Guo C,Li F,Pi G

[Gut microbiota alterations associated with reduced bone mineral density in older adults.](#)

Rheumatology (Oxford, England) , Volume: 58 Issue: 12 2019 Dec 1

Authors Das M,Cronin O,Keohane DM,Cormac EM,Nugent H,Nugent M,Molloy C,O Toole PW,Shanahan F,Molloy MG,Jeffery IB

[Influences of wheat bran fiber on growth performance, nutrient digestibility, and intestinal epithelium functions in Xiangcun pigs.](#)

Heliyon , Volume: 9 Issue: 7 2023 Jul

Authors Liu J,Luo Y,Kong X,Yu B,Zheng P,Huang Z,Mao X,Yu J,Luo J,Yan H,He J

[Bile Acids and Short-Chain Fatty Acids Are Modulated after Onion and Apple Consumption in Obese Zucker Rats.](#)

Nutrients , Volume: 15 Issue: 13 2023 Jul 5

Authors Balderas C,de Ancos B,Sánchez-Moreno C

[Targeted modification of gut microbiota and related metabolites via dietary fiber.](#)

Carbohydrate polymers , Volume: 316 2023 Sep 15

Authors Nie Q,Sun Y,Li M,Zuo S,Chen C,Lin Q,Nie S

[Effects of fenbendazole on fecal microbiome in BPH/5 mice, a model of hypertension and obesity, a brief report.](#)

PLoS one , Volume: 18 Issue: 6 2023

Authors Beckers KF,Schulz CJ,Liu CC,Barras ED,Childers GW,Stout RW,Sones JL

[Gentamicin alleviates cholestatic liver injury by decreasing gut microbiota-associated bile salt hydrolase activity in rats.](#)

European journal of pharmacology , Volume: 951 2023 May 12

Authors Ma Y,Wang H,Yang J,Xin M,Wu X

[Rumen microbial community and milk quality in Holstein lactating cows fed olive oil pomace as part in a sustainable feeding strategy.](#)

Animal : an international journal of animal bioscience , Volume: 17 Issue: 6 2023 Jun

Authors Scicutella F,Cucu MA,Mannelli F,Pastorelli R,Daghio M,Paoli P,Pazzagli L,Turini L,Mantino A,Luti S,Genovese M,Viti C,Buccioni A

[Role of Hydroxytyrosol and Oleuropein in the Prevention of Aging and Related Disorders: Focus on Neurodegeneration, Skeletal Muscle Dysfunction and Gut Microbiota.](#)

Nutrients , Volume: 15 Issue: 7 2023 Apr 4

Authors Micheli L,Bertini L,Bonato A,Villanova N,Caruso C,Caruso M,Bernini R,Tirone F

[Lactobacillus rhamnosus GG protects against atherosclerosis by improving ketone body synthesis.](#)

Applied microbiology and biotechnology , Volume: 106 Issue: 24 2022 Dec

Authors Zhai T,Ren W,Wang P,Zheng L

[Resveratrol modulates the gut microbiota of cholestasis in pregnant rats.](#)

Journal of physiology and pharmacology : an official journal of the Polish Physiological Society , Volume: 73 Issue: 2 2022 Apr

Authors Li Z,Lei L,Ling L,Liu Y,Xiong Z,Shao Y

[Dietary Moringa oleifera leaf powder improves jejunal permeability and digestive function by modulating the microbiota composition and mucosal immunity in heat stressed rabbits.](#)

Environmental science and pollution research international , Volume: 29 Issue: 53 2022 Nov

Authors Khalid AR,Yasoob TB,Zhang Z,Zhu X,Hang S

[Crude Polysaccharide Extracted From Moringa oleifera Leaves Prevents Obesity in Association With Modulating Gut Microbiota in High-Fat Diet-Fed Mice.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Li L,Ma L,Wen Y,Xie J,Yan L, Ji A,Zeng Y,Tian Y,Sheng J

[The Effect and Mechanism of Exercise Training on Rats with Poststroke Depression Based on the Intestinal Flora.](#)

Computational and mathematical methods in medicine , Volume: 2021 2021

Authors Yang J,Zhou G,Ou Z,Jia N,Wang D

[Moringa oleifera polysaccharide regulates colonic microbiota and immune repertoire in C57BL/6 mice.](#)

International journal of biological macromolecules , Volume: 198 2022 Feb 15

Authors Wen Z,Tian H,Liang Y,Guo Y,Deng M,Liu G,Li Y,Liu D,Sun B

[Curcumin \$\beta\$ -D-Glucuronide Modulates an Autoimmune Model of Multiple Sclerosis with Altered Gut Microbiota in the Ileum and Feces.](#)

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Khadka S,Omura S,Sato F,Nishio K,Takeya H,Tsunoda I

[Effects of Dietary Supplementation With *Bacillus subtilis*, as an Alternative to Antibiotics, on Growth Performance, Serum Immunity, and Intestinal Health in Broiler Chickens.](#)

Frontiers in nutrition , Volume: 8 2021

Authors Qiu K,Li CL,Wang J,Qi GH,Gao J,Zhang HJ,Wu SG

[Fructooligosaccharides Increase in Plasma Concentration of \(-\)-Epigallocatechin-3-Gallate in Rats.](#)

Journal of agricultural and food chemistry , Volume: 69 Issue: 49 2021 Dec 15

Authors Unno T,Araki Y,Inagaki S,Kobayashi M,Ichitani M,Takahara T,Kinugasa H

[Bacillus subtilis Attenuates Hepatic and Intestinal Injuries and Modulates Gut Microbiota and Gene Expression Profiles in Mice Infected with *Schistosoma japonicum*.](#)

Frontiers in cell and developmental biology , Volume: 9 2021

Authors Lin D,Song Q,Zhang Y,Liu J,Chen F,Du S,Xiang S,Wang L,Wu X,Sun X

[Regulatory Effect of Resveratrol on Inflammation Induced by Lipopolysaccharides via Reprogramming Intestinal Microbes and Ameliorating Serum Metabolism Profiles.](#)

Frontiers in immunology , Volume: 12 2021

Authors Ding S,Jiang H,Fang J,Liu G

[Polydextrose with and without *Bifidobacterium animalis* ssp. lactis 420 drives the prevalence of Akkermansia and improves liver health in a multi-compartmental obesogenic mice study.](#)

PloS one , Volume: 16 Issue: 12 2021

Authors Yde CC,Jensen HM,Christensen N,Servant F,Lelouvier B,Lahtinen S,Stenman LK,Airaksinen K,Kailanto HM

[Gut microbiome and metabolome in a non-human primate model of chronic excessive alcohol drinking.](#)

Translational psychiatry , Volume: 11 Issue: 1 2021 Dec 1

Authors Piacentino D,Grant-Beurmann S,Vizioli C,Li X,Moore CF,Ruiz-Rodado V, Lee MR,Joseph PV,Fraser CM,Weerts EM,Leggjo L

[Alleviation Effects of *Bifidobacterium animalis* subsp. lactis XLTG11 on Dextran Sulfate Sodium-Induced Colitis in Mice.](#)

Microorganisms , Volume: 9 Issue: 10 2021 Oct 3

Authors Wang N,Wang S,Xu B,Liu F,Huo G,Li B

[Positive Synergistic Effects of Quercetin and Rice Bran on Human Gut Microbiota Reduces *Enterobacteriaceae* Family Abundance and Elevates Propionate in a Bioreactor Model.](#)

Frontiers in microbiology , Volume: 12 2021

Authors Ghimire S,Wongkuna S,Sankaranarayanan R,Ryan EP,Bhat GJ,Scaria J

[Treatment with a spore-based probiotic containing five strains of Bacillus induced changes in the metabolic activity and](#)

[community composition of the gut microbiota in a SHIME® model of the human gastrointestinal system.](#)

Food research international (Ottawa, Ont.) , Volume: 149 2021 Nov

Authors Marzorati M, Van den Abbeele P, Bubeck S, Bayne T, Krishnan K, Young A

[Gut Microbiome Alteration after Reboxetine Administration in Type-1 Diabetic Rats.](#)

Microorganisms , Volume: 9 Issue: 9 2021 Sep 14

Authors Aydin S, Ozkul C, Yucel NT, Karaca H

[Bacillus pumilus and Bacillus subtilis Promote Early Maturation of Cecal Microbiota in Broiler Chickens.](#)

Microorganisms , Volume: 9 Issue: 9 2021 Sep 7

Authors Bilal M, Achard C, Barbe F, Chevaux E, Ronholm J, Zhao X

[Dietary and Pharmacologic Manipulations of Host Lipids and Their Interaction With the Gut Microbiome in Non-human Primates.](#)

Frontiers in medicine , Volume: 8 2021

Authors Lang JM, Sedgeman LR, Cai L, Layne JD, Wang Z, Pan C, Lee R, Temel RE, Lulis AJ

[Pharmacological benefits of Acacia against metabolic diseases: intestinal-level bioactivities and favorable modulation of gut microbiota.](#)

Archives of physiology and biochemistry , 2021 Aug 19

Authors Saha MR, Dey P

[A randomized, placebo-controlled trial investigating the acute and chronic benefits of American Ginseng \(Cereboost®\) on mood and cognition in healthy young adults, including in vitro investigation of gut microbiota changes as a possible mechanism of action.](#)

European journal of nutrition , 2021 Aug 15

Authors Bell L, Whyte A, Duysburgh C, Marzorati M, Van den Abbeele P, Le Cozannet R, França-Berthon P, Fromentin E, Williams C

[Low-Dose Lactulose as a Prebiotic for Improved Gut Health and Enhanced Mineral Absorption.](#)

Frontiers in nutrition , Volume: 8 2021

Authors Karakan T, Tuohy KM, Janssen-van Solingen G

[Effects of Bacillus subtilis and Bacillus licheniformis on growth performance, immunity, short chain fatty acid production, antioxidant capacity, and cecal microflora in broilers.](#)

Poultry science , Volume: 100 Issue: 9 2021 Jun 26

Authors Xu Y, Yu Y, Shen Y, Li Q, Lan J, Wu Y, Zhang R, Cao G, Yang C

[Home-based exercise training influences gut bacterial levels in multiple sclerosis.](#)

Complementary therapies in clinical practice , Volume: 45 2021 Jul 30

Authors Mokhtarzade M, Molanouri Shamsi M, Abolhasani M, Bakhshi B, Sahraian MA, Quinn LS, Negaresh R

[Effects of ginseng soluble dietary fiber on serum antioxidant status, immune factor levels and cecal health in healthy rats.](#)

Food chemistry , Volume: 365 2021 Jul 20

Authors Hua M, Liu Z, Sha J, Li S, Dong L, Sun Y

[Intestinal Microbiota Mediates High-Fructose and High-Fat Diets to Induce Chronic Intestinal Inflammation.](#)

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Tan R, Dong H, Chen Z, Jin M, Yin J, Li H, Shi D, Shao Y, Wang H, Chen T, Yang D, Li J

[Oleuropein Ameliorates Advanced Stage of Type 2 Diabetes in db/db Mice by Regulating Gut Microbiota.](#)

Nutrients , Volume: 13 Issue: 7 2021 Jun 22

Authors Zheng S, Wang Y, Fang J, Geng R, Li M, Zhao Y, Kang SG, Huang K, Tong T

[Concentrated Raw Fibers Enhance the Fiber-Degrading Capacity of a Synthetic Human Gut Microbiome.](#)

International journal of molecular sciences , Volume: 22 Issue: 13 2021 Jun 25

Authors Steimle A, Neumann M, Grant ET, Turner JD, Desai MS

[Millet shell polyphenols prevent atherosclerosis by protecting the gut barrier and remodeling the gut microbiota in ApoE^{-/-} mice.](#)

Food & function , 2021 Jun 25

Authors Liu F, Shan S, Li H, Shi J, Hao R, Yang R, Li Z

[Resveratrol and its derivative pterostilbene ameliorate intestine injury in intrauterine growth-retarded weanling piglets by modulating redox status and gut microbiota.](#)

Journal of animal science and biotechnology , Volume: 12 Issue: 1 2021 Jun 10

Authors Chen Y, Zhang H, Chen Y, Jia P, Ji S, Zhang Y, Wang T

[Protective effects of glycine against lipopolysaccharide-induced intestinal apoptosis and inflammation.](#)

Amino acids , 2021 Jun 4

Authors Zhang Y, Mu T, Jia H, Yang Y, Wu Z

[Modulatory Effects of Bacillus subtilis on the Performance, Morphology, Cecal Microbiota and Gut Barrier Function of Laying Hens.](#)

Animals : an open access journal from MDPI , Volume: 11 Issue: 6 2021 May 24

Authors Zhang G,Wang H,Zhang J,Tang X,Raheem A,Wang M,Lin W,Liang L,Qi Y,Zhu Y,Jia Y,Cui S,Qin T

Intensive, prolonged exercise seemingly causes gut dysbiosis in female endurance runners.

Journal of clinical biochemistry and nutrition , Volume: 68 Issue: 3 2021 May

Authors Morishima S,Aoi W,Kawamura A,Kawase T,Takagi T,Naito Y,Tsukahara T,Inoue R

Modulation of the fecal microbiome and metabolome by resistant dextrin ameliorates hepatic steatosis and mitochondrial abnormalities in mice.

Food & function , 2021 Apr 22

Authors Zhang Z,Chen X,Cui B

Glycine regulates mucosal immunity and the intestinal microbial composition in weaned piglets.

Amino acids , 2021 Apr 11

Authors Ji Y,Fan X,Zhang Y,Li J,Dai Z,Wu Z

Navy Bean Supplementation in Established High-Fat Diet-Induced Obesity Attenuates the Severity of the Obese

Inflammatory Phenotype.

Nutrients , Volume: 13 Issue: 3 2021 Feb 26

Authors Monk JM,Wu W,Lepp D,Pauls KP,Robinson LE,Power KA

Impaired Intestinal Akkermansia muciniphila and Aryl Hydrocarbon Receptor Ligands Contribute to Nonalcoholic Fatty Liver Disease in Mice.

mSystems , Volume: 6 Issue: 1 2021 Feb 23

Authors Shi Z,Lei H,Chen G,Yuan P,Cao Z,Ser HL,Zhu X,Wu F,Liu C,Dong M,Song Y,Guo Y,Chen C,Hu K,Zhu Y,Zeng XA,Zhou J,Lu Y,Patterson AD,Zhang L

Effects of colon-targeted vitamins on the composition and metabolic activity of the human gut microbiome- a pilot study.

Gut microbes , Volume: 13 Issue: 1 2021 Jan-Dec

Authors Pham VT,Fehlbaum S,Seifert N,Richard N,Bruins MJ,Sybesma W,Rehman A,Steinert RE

Prevention and Alleviation of Dextran Sulfate Sodium Salt-Induced Inflammatory Bowel Disease in Mice With *Bacillus subtilis*-Fermented Milk via Inhibition of the Inflammatory Responses and Regulation of the Intestinal Flora.

Frontiers in microbiology , Volume: 11 2020

Authors Zhang X,Tong Y,Lyu X,Wang J,Wang Y,Yang R

Fisetin Regulates Gut Microbiota and Exerts Neuroprotective Effect on Mouse Model of Parkinson`s Disease.

Frontiers in neuroscience , Volume: 14 2020

Authors Chen TJ,Feng Y,Liu T,Wu TT,Chen YJ,Li X,Li Q,Wu YC

Diet Rich in Simple Sugars Promotes Pro-Inflammatory Response via Gut Microbiota Alteration and TLR4 Signaling.

Cells , Volume: 9 Issue: 12 2020 Dec 16

Authors Fajstova A,Galanova N,Coufal S,Malkova J,Kostovcik M,Cermakova M,Pelantova H,Kuzma M,Sediva B,Hudcovic T,Hrncir T,Taskalova-Hogenova H,Kverka M,Kostovcikova K

Adjunctive treatment with probiotics partially alleviates symptoms and reduces inflammation in patients with irritable bowel syndrome.

European journal of nutrition , 2020 Nov 22

Authors Xu H,Ma C,Zhao F,Chen P,Liu Y,Sun Z,Cui L,Kwok LY,Zhang H

Alcohol decreases intestinal ratio of *Lactobacillus* to *Enterobacteriaceae* and induces hepatic immune tolerance in a murine model of DSS-colitis.

Gut microbes , Volume: 12 Issue: 1 2020 Nov 9

Authors Kuprys PV,Cannon AR,Shieh J,Iftekhhar N,Park SK,Eberhardt JM,Ding X,Choudhry MA

Gut microbial bile acid metabolite skews macrophage polarization and contributes to high-fat diet-induced colonic inflammation.

Gut microbes , Volume: 12 Issue: 1 2020 Nov 9

Authors Wang L,Gong Z,Zhang X,Zhu F,Liu Y,Jin C,Du X,Xu C,Chen Y,Cai W,Tian C,Wu J

A high-fat diet and high-fat and high-cholesterol diet may affect glucose and lipid metabolism differentially through gut microbiota in mice.

Experimental animals , 2020 Oct 1

Authors Liang H,Jiang F,Cheng R,Luo Y,Wang J,Luo Z,Li M,Shen X,He F

Relationship between gut environment, feces-to-food ratio, and androgen deficiency-induced metabolic disorders.

Gut microbes , Volume: 12 Issue: 1 2020 Nov 9

Authors Harada N,Minami Y,Hanada K,Hanaoka R,Kobayashi Y,Izawa T,Sato T,Kato S,Inui H,Yamaji R

Synergistic Effect of Berberine-Based Chinese Medicine Assembled Nanostructures on Diarrhea-Predominant Irritable Bowel Syndrome *In Vivo*.

Frontiers in pharmacology , Volume: 11 2020

Authors Li L,Cui H,Li T,Qi J,Chen H,Gao F,Tian X,Mu Y,He R,Lv S,Chu F,Xu B,Wang P,Lei H,Xu H,Wang C

Neuroprotective effects associated with immune modulation by selected lactic acid bacteria in a Parkinson`s disease model.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 79-80 2020 Nov - Dec

Authors Perez Visñuk D,Savoy de Giori G,LeBlanc JG,de Moreno de LeBlanc A

[Lactobacillus johnsonii BS15 Prevents Psychological Stress-Induced Memory Dysfunction in Mice by Modulating the Gut-Brain Axis.](#)

Frontiers in microbiology , Volume: 11 2020

Authors Wang H,Sun Y,Xin J,Zhang T,Sun N,Ni X,Zeng D,Bai Y

[Impacts of Habitual Diets Intake on Gut Microbial Counts in Healthy Japanese Adults.](#)

Nutrients , Volume: 12 Issue: 8 2020 Aug 12

Authors Sugimoto T,Shima T,Amamoto R,Kaga C,Kado Y,Watanabe O,Shiinoki J,Iwazaki K,Shigemura H,Tsuji H,Matsumoto S

[High Salt Elicits Brain Inflammation and Cognitive Dysfunction, Accompanied by Alterations in the Gut Microbiota and Decreased SCFA Production.](#)

Journal of Alzheimer`s disease : JAD , 2020 Jul 25

Authors Hu L,Zhu S,Peng X,Li K,Peng W,Zhong Y,Kang C,Cao X,Liu Z,Zhao B

[Green Tea Encourages Growth of *Akkermansia muciniphila*.](#)

Journal of medicinal food , 2020 Jun 25

Authors Jeong HW,Kim JK,Kim AY,Cho D,Lee JH,Choi JK,Park M,Kim W

[The Protective Effects of 2`-Fucosyllactose against *E. Coli* O157 Infection Are Mediated by the Regulation of Gut Microbiota and the Inhibition of Pathogen Adhesion.](#)

Nutrients , Volume: 12 Issue: 5 2020 May 1

Authors Wang Y,Zou Y,Wang J,Ma H,Zhang B,Wang S

[Cultivation of the Next-Generation Probiotic *Akkermansia muciniphila*, Methods of Its Safe Delivery to the Intestine, and Factors Contributing to Its Growth In Vivo.](#)

Current microbiology , Volume: 77 Issue: 8 2020 Aug

Authors Ropot AV,Karamzin AM,Sergeyev OV

[Alleviating effects of noni fruit polysaccharide on hepatic oxidative stress and inflammation in rats under a high-fat diet and its possible mechanisms.](#)

Food & function , Volume: 11 Issue: 4 2020 Apr 30

Authors Yang X,Mo W,Zheng C,Li W,Tang J,Wu X

[Effect of resveratrol on intestinal tight junction proteins and the gut microbiome in high-fat diet-fed insulin resistant mice.](#)

International journal of food sciences and nutrition , Volume: 71 Issue: 8 2020 Dec

Authors Chen K,Zhao H,Shu L,Xing H,Wang C,Lu C,Song G

[2`-fucosyllactose Supplementation Improves Gut-Brain Signaling and Diet-Induced Obese Phenotype and Changes the Gut Microbiota in High Fat-Fed Mice.](#)

Nutrients , Volume: 12 Issue: 4 2020 Apr 5

Authors Lee S,Goodson M,Vang W,Kalanetra K,Barile D,Raybould H

[Effect of Berberine on Atherosclerosis and Gut Microbiota Modulation and Their Correlation in High-Fat Diet-Fed ApoE^{-/-} Mice.](#)

Frontiers in pharmacology , Volume: 11 2020

Authors Wu M,Yang S,Wang S,Cao Y,Zhao R,Li X,Xing Y,Liu L

[Prebiotic activity of garlic \(*Allium sativum*\) extract on *Lactobacillus acidophilus*.](#)

Veterinary world , Volume: 12 Issue: 12 2019 Dec

Authors Sunu P,Sunarti D,Mahfudz LD,Yunianto VD

[Rapid gut microbiome changes in a world-class ultramarathon runner.](#)

Physiological reports , Volume: 7 Issue: 24 2019 Dec

Authors Grosicki GJ,Durk RP,Bagley JR

[Effect of dietary *Moringa oleifera* leaves on the performance, ileal microbiota and antioxidative status of broiler chickens.](#)

Journal of animal physiology and animal nutrition , Volume: 104 Issue: 2 2020 Mar

Authors Abu Hafsa SH,Ibrahim SA,Eid YZ,Hassan AA

[Steatosis and gut microbiota dysbiosis induced by high-fat diet are reversed by 1-week chow diet administration.](#)

Nutrition research (New York, N.Y.) , Volume: 71 2019 Nov

Authors Safari Z,Monnoye M,Abuja PM,Mariadassou M,Kashofer K,Gérard P,Zatloukal K

[Raw Bowl Tea \(TuoCha\) Polyphenol Prevention of Nonalcoholic Fatty Liver Disease by Regulating Intestinal Function in Mice.](#)

Biomolecules , Volume: 9 Issue: 9 2019 Sep 1

Authors Liu B,Zhang J,Sun P,Yi R,Han X,Zhao X

[Immunomodulatory and Prebiotic Effects of 2`-Fucosyllactose in Suckling Rats.](#)

Frontiers in immunology , Volume: 10 2019

Authors Azagra-Boronat I,Massot-Cladera M,Mayneris-Perxachs J,Knipping K,Van` t Land B,Tims S,Stahl B,Garssen J,Franch À,Castell M,Rodríguez-Lagunas MJ,Pérez-Cano FJ

Dietary Factors and Modulation of Bacteria Strains of *Akkermansia muciniphila* and *Faecalibacterium prausnitzii*: A Systematic Review.

Nutrients , Volume: 11 Issue: 7 2019 Jul 11

Authors Verhoog S,Taneri PE,Roa Díaz ZM,Marques-Vidal P,Troup JP,Bally L,Franco OH,Glisic M,Muka T

Supplementation of diet with non-digestible oligosaccharides alters the intestinal microbiota, but not arthritis development, in IL-1 receptor antagonist deficient mice.

PloS one , Volume: 14 Issue: 7 2019

Authors Rogier R,Ederveen THA,Wopereis H,Hartog A,Boekhorst J,van Hijum SAFT,Knol J,Garssen J,Walgreen B,Helsen MM,van der Kraan PM,van Lent PLEM,van de Loo FAJ,Abdollahi-Roodsaz S,Koenders MI

Resveratrol attenuates high-fat diet-induced non-alcoholic steatohepatitis by maintaining gut barrier integrity and inhibiting gut inflammation through regulation of the endocannabinoid system.

Clinical nutrition (Edinburgh, Scotland) , 2019 May 30

Authors Chen M,Hou P,Zhou M,Ren Q,Wang X,Huang L,Hui S,Yi L,Mi M

Dietary Quercetin Increases Colonic Microbial Diversity and Attenuates Colitis Severity in *Citrobacter rodentium*-Infected Mice.

Frontiers in microbiology , Volume: 10 2019

Authors Lin R,Piao M,Song Y

The role of short-chain fatty acids in microbiota-gut-brain communication.

Nature reviews. Gastroenterology & hepatology , Volume: 16 Issue: 8 2019 Aug

Authors Dalile B, Van Oudenhove L, Vervliet B, Verbeke K

Alterations of the Gut Microbiota Associated With Promoting Efficacy of Prednisone by Bromofuranone in MRL/lpr Mice.

Frontiers in microbiology , Volume: 10 2019

Authors He Z,Kong X,Shao T,Zhang Y,Wen C

Influence of proton pump inhibitors on microbiota in chronic liver disease patients.

Hepatology international , Volume: 13 Issue: 2 2019 Mar

Authors Yamamoto K,Ishigami M,Honda T,Takeyama T,Ito T,Ishizu Y,Kuzuya T,Hayashi K,Goto H,Hirooka Y

Probiotic *Lactobacillus johnsonii* BS15 Promotes Growth Performance, Intestinal Immunity, and Gut Microbiota in Piglets.

Probiotics and antimicrobial proteins , Volume: 12 Issue: 1 2020 Mar

Authors Xin J,Zeng D,Wang H,Sun N,Zhao Y,Dan Y,Pan K,Jing B,Ni X

Arabinoxylan from Argentinian whole wheat flour promote the growth of *Lactobacillus reuteri* and *Bifidobacterium breve*.

Letters in applied microbiology , Volume: 68 Issue: 2 2019 Feb

Authors Paesani C,Salvucci E,Moiraghi M,Fernandez Canigia L,Pérez GT

Strategies to promote abundance of *Akkermansia muciniphila*, an emerging probiotics in the gut, evidence from dietary intervention studies.

Journal of functional foods , Volume: 33 2017 Jun

Authors Zhou K

Prevalence and Antimicrobial Susceptibility of Bacterial Uropathogens Isolated from Pediatric Patients at Yekatit 12 Hospital Medical College, Addis Ababa, Ethiopia.

International journal of microbiology , Volume: 2018 2018

Authors Merga Duffa Y, Terfa Kitila K, Mamuye Gebretsadik D, Bitew A

Simultaneous Supplementation of *Bacillus subtilis* and Antibiotic Growth Promoters by Stages Improved Intestinal Function of Pullets by Altering Gut Microbiota.

Frontiers in microbiology , Volume: 9 2018

Authors Li X,Wu S,Li X,Yan T,Duan Y,Yang X,Duan Y,Sun Q,Yang X

Supplemental *Bacillus subtilis* DSM 32315 manipulates intestinal structure and microbial composition in broiler chickens.

Scientific reports , Volume: 8 Issue: 1 2018 Oct 18

Authors Ma Y,Wang W,Zhang H,Wang J,Zhang W,Gao J,Wu S,Qi G

Antimicrobial activity of spices essential oils and its effectiveness on mature biofilms of human pathogens.

Natural product research , 2018 Oct 13

Authors Condò C,Anacorso I,Sabia C,Iseppi R,Anfelli I,Forti L,de Niederhäusern S,Bondi M,Messi P

The Effects of Berberine on the Gut Microbiota in Apc^{sup}/min/+^{sup} Mice Fed with a High Fat Diet.

Molecules (Basel, Switzerland) , Volume: 23 Issue: 9 2018 Sep 8

Authors Wang H,Guan L,Li J,Lai M,Wen X

Investigating of *Moringa Oleifera* Role on Gut Microbiota Composition and Inflammation Associated with Obesity Following High Fat Diet Feeding.

Open access Macedonian journal of medical sciences , Volume: 6 Issue: 8 2018 Aug 20

Authors Elabd EMY,Morsy SM,Elmalt HA

Introducing insoluble wheat bran as a gut microbiota niche in an in vitro dynamic gut model stimulates propionate and

butyrate production and induces colon region specific shifts in the luminal and mucosal microbial community.

Environmental microbiology , Volume: 20 Issue: 9 2018 Sep

Authors De Paepe K,Verspreet J,Verbeke K,Raes J,Courtin CM, Van de Wiele T

Enterococcus faecium WEFA23 from infant lessens high-fat-diet-induced hyperlipidemia via cholesterol 7-alpha-hydroxylase gene by altering the composition of gut microbiota in rats.

Journal of dairy science , 2018 Jun 20

Authors Huang F,Zhang F,Xu D,Zhang Z,Xu F,Tao X,Qiu L,Wei H

Gut Microbiome Composition in Non-human Primates Consuming a Western or Mediterranean Diet.

Frontiers in nutrition , Volume: 5 2018

Authors Nagpal R,Shively CA,Appt SA,Register TC,Michalson KT,Vitolins MZ,Yadav H

Niacin alters the ruminal microbial composition of cattle under high-concentrate condition.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 3 Issue: 2 2017 Jun

Authors Luo D,Gao Y,Lu Y,Qu M,Xiong X,Xu L,Zhao X,Pan K,Ouyang K

Catechin supplemented in a FOS diet induces weight loss by altering cecal microbiota and gene expression of colonic epithelial cells.

Food & function , Volume: 9 Issue: 5 2018 May 23

Authors Luo J,Han L,Liu L,Gao L,Xue B,Wang Y,Ou S,Miller M,Peng X

Effect of lactulose intervention on gut microbiota and short chain fatty acid composition of C57BL/6J mice.

MicrobiologyOpen , Volume: 7 Issue: 6 2018 Dec

Authors Zhai S,Zhu L,Qin S,Li L

High salt diet exacerbates colitis in mice by decreasing Lactobacillus levels and butyrate production.

Microbiome , Volume: 6 Issue: 1 2018 Mar 22

Authors Miranda PM,De Palma G,Serkis V,Lu J,Louis-Auguste MP,McCarville JL,Verdu EF,Collins SM,Bercik P

Extensive impact of non-antibiotic drugs on human gut bacteria.

Nature , Volume: 555 Issue: 7698 2018 Mar 29

Authors Maier L,Pruteanu M,Kuhn M,Zeller G,Telzerow A,Anderson EE,Brochado AR,Fernandez KC,Dose H,Mori H,Patil KR,Bork P,Typas A

Xylan supplement improves 1,3-propanediol fermentation by Clostridium butyricum.

Journal of bioscience and bioengineering , 2018 Mar 10

Authors Apiwatanapiwat W,Vaithanomsat P,Thanapase W,Ratanakhanokchai K,Kosugi A

Evaluation of the effects of different diets on microbiome diversity and fatty acid composition of rumen liquor in dairy goat.

Animal : an international journal of animal bioscience , 2018 Jan 8

Authors Cremonesi P,Conte G,Severgnini M,Turri F,Monni A,Capra E,Rapetti L,Colombini S,Chessa S,Battelli G,Alves SP,Mele M,Castiglioni B

An in vitro study to assess the impact of tetracycline on the human intestinal microbiome.

Anaerobe , Volume: 49 2017 Dec 30

Authors Jung JY,Ahn Y,Khare S,Gokulan K,Piñeiro SA,Cerniglia CE

Bacteriostatic Effect of Quercetin as an Antibiotic Alternative In Vivo and Its Antibacterial Mechanism In Vitro.

Journal of food protection , Volume: 81 Issue: 1 2018 Jan

Authors Wang S,Yao J,Zhou B,Yang J,Chaudry MT,Wang M,Xiao F,Li Y,Yin W

Update of incidence and antimicrobial susceptibility trends of Escherichia coli and Klebsiella pneumoniae isolates from Chinese intra-abdominal infection patients.

BMC infectious diseases , Volume: 17 Issue: 1 2017 Dec 18

Authors Zhang H,Yang Q,Liao K,Ni Y,Yu Y,Hu B,Sun Z,Huang W,Wang Y,Wu A,Feng X,Luo Y,Chu Y,Chen S,Cao B,Su J,Duan Q,Zhang S,Shao H,Kong H,Gui B,Hu Z,Badal R,Xu Y

Additional APriori Analysis Available

Available at: <https://microbiomeprescription.com/Library/PubMed>

Acne
ADHD
Allergic Rhinitis (Hay Fever)
Allergies
Alopecia (Hair Loss)
Alzheimer's disease
Amyotrophic lateral sclerosis (ALS) Motor Neuron

Ankylosing spondylitis
Anorexia Nervosa
Antiphospholipid syndrome (APS)
Asthma
Atherosclerosis
Autism
Autoimmune Disease
Barrett esophagus cancer
Bipolar Disorder
Brain Trauma
Carcinoma
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
Colorectal Cancer
Constipation
Coronary artery disease
COVID-19
Crohn's Disease
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
obsessive-compulsive disorder
Osteoarthritis
Osteoporosis
Parkinson's Disease
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder
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
Unhealthy Ageing