

Microbiome Information for: primary biliary cholangitis

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

[Our Facebook Discussion Page](#)

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of primary biliary cholangitis

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
Coriobacteria	class	High	84998	Oscillospiraceae	family	Low	216572
Deltaproteobacteria	class	Low	28221	Pirellulaceae	family	High	2691357
Acidaminococcaceae	family	Low	909930	Veillonellaceae	family	High	31977
Chitinophagaceae	family	High	563835	Collinsella	genus	Low	102106
Comamonadaceae	family	High	80864	Dorea	genus	High	189330
Gracilibacteraceae	family	High	541019	Coriobacteriales	order	High	84999
Lachnospiraceae	family	High	186803	Bacteroides uniformis	species	Low	820
Muribaculaceae	family	High	2005473	Pichia kudriavzevii	species	High	4909

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.

almonds/ almond skins	90 gram/day	lactobacillus rhamnosus gg (probiotics)	48 BCFU/day
bacillus subtilis (probiotics)	10 BCFU/day	MINOCYCLINE (ANTIBIOTIC)[CFS]	
barley	60 gram/day	moviprep (prescription)	
bifidobacterium animalis lactis (probiotics)	1 BCFU/day	Nicotine, Nicotine Patch	
bifidobacterium longum (probiotics)	10 BCFU/day	omega-3 fatty acids	4 gram/day
bile (acid/salts)		proton-pump inhibitors (prescription)	60 mg/day
colistin sulfate (antibiotic)		salt (sodium chloride)	
Fisetin	20 mg/day	Ursolic acid	
ginkgo	240 mg/day	vegetable	
glycine	15 gram/day	vitamin a	25000 IU/day
high salt		Vitamin E	60 IU/day
inulin (prebiotic)	32 gram/day	walnuts	75 gram/day
lactobacillus casei (probiotics)	48 BCFU/day	wheat	
lactobacillus reuteri (probiotics)	22 BCFU/day	wheat bran	
		whole-grain barley	60 gram/day

Retail Probiotics

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

Global Healing Center / FloraTrex
SuperSmart / Full Spectrum Probiotic Formula
Thryve Inside/ L.Reu,Rham,Casi; B.Lactis
vita miracle / ultra-30 probiotics
garden of life / primal defense
quantum wellness / restora flora
Physician Choice /60 Billion Probiotics
Advanced Bio-Cultures / Advance Multi Strain Probiotics
elixa / probiotic
bioray / cytoflora
theramedix / probiotic
newrhythm / probiotics 20 stains
fairvital / microflora basic
seed / female version
organic 3 / primal gut
Garden of Life / Dr. Formulated Once Daily Women's
hyperbiotics / pro-15
nature's way (au) / restore probiotic 100 billion
seed / male version
lifted naturals / mood boosting probiotic
Dr. Mercola / Complete Probiotics
Physis / Advance Probiotics
NOW FOODS / Clinical GI Probiotic
Lake Avenue Nutrition / Probiotics 10 Strain Blend
Bromatech (IT) / Rotanelle plus
fürstenmed / lacto-bifido
Swiss BioEnergetics / Full Spectrum Probiotic Defence
probiotic pur (de) / realdose nutrition
ASEA VIA / BIOME
Wholesome Wellness / Raw Probiotic
udo's choice /super 8 gold
HLH BIOPHARMA(DE) / LACTOBACT ® PREMIUM
Krauterhaus / Lactopro
renew life / ultimate flora
up4 / ultra
Jetson (US) / Immunity Probiotics
bioglan bio (au) / happy probiotic 100
douglas laboratories / multi probiotic 40 billion
Realdose
SuperSmart / Lactoxira
nature's way (au) /restore probiotic bowel & colon health 30s
visbiome
klaire labs / target gb-x
Ombre / Heart Health
klaire labs / ther-biotic factor 4
Northwest Natural Products / PB8
naturopathica (au) / gastrohealth probiotic dairy free 50 billion
organic 3 / gutpro
renew life men's probiotic - ultimate
HLH BIOPHARMA(DE) / LACTOBACT ® 60PLUS
PoolPharma (IT) / ProbioTKMIO
blackmores (au) / probiotics+ immune defence
SuperSmart / Oral Health
1 md / complete probiotics platinum

nature's bounty / probiots 10
MegaFood / MegaFlora
microbiome labs / hu58
Invivo / Bio.Me Femme UT
blackmore (au) / probiotics+ bowel support
CustomProbiotics.com / L. Reuteri Probiotic Powder
digestive care
perfect pass / perfect pass probiotic bacillus spore
spain (es) / ns florabiotic instant
optibac / for women
OMNI-BIOTIC®/ TRAVEL
jarrow formulas / fem-dophilus®
global health trax / threelac
nature's way (au) / restore probiotic 30 billion 30s
SuperSmart / H. Pylori Fight
Law of Nature / Best Days Formula
BioGaia / BioGaia Osfortis
microbiome labs/ megasporebiotic
optibac / bifidobacteria & fibre
Sanogermina / AB-Kolicare
klair labs / biospora
SuperSmart / Derma Relief
spain (es) / kaleidon
RepHresh / Pro-B Probiotic Supplement for Women
young living/life 9
PharmExtracta (IT) / Gliadines buccal stickpacks
just for tummies / live bacteria
Bromatech (IT) / Citogenex
spain (es) / casenbiotic
naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu
CVSHealth / Daily Probiotic
Bromatech (IT) / Serobiome
corebiotic
Bromatech (IT) / Bifiselle
BioGaia / BioGaia Products
spain (es) / reuteri gotas
solgar / advanced 40+ acidophilus
custom probiotics / d-lactate free probiotics powder
ferring/ vsl#3
jamieson (can) / probiotic 10 bcfu
Microbiome Labs / MEGA Genesis
Jetson / FIT
Seeking Health / Probiota HistaminX
bravo europe / starter and complex
optibac / for every day
Prescript-Assist®/SBO Probiotic
blackmore (au) / probiotics+ womens flora balance
Optibac Probiotics / Bifidobacterium lactis HN019
SuperSmart / Lactobacillus reuteri
spain (es) / profaes4 viajeros
SuperSmart / Probio Forte
wakamoto (jp) / wakamoto pharmaceutical intestinal drug
custom probiotics / five strain bifidobacteria
InnovixLabs / Mood Probiotic
optibac / for every day max
enviromedica terraflorea sbo probiotic
PureGG
Microbiome Labs / ZENBIOME Dual

canada (ca) / calmbiotic
Jetson (US) / Mood Probiotics
jarrow formulas / jarro-dophilus eps
spain (es) / ns defenbiotic kids
naturopathica (au) / gastrohealth fibrepro
philips / colon health
Sash Vitality / Bio-Cultures Probiotics for Adults
blackmore (au) / probiotics+ eczema relief
SuperSmart / Vaginal Health
7 AM Ultra Probiotics
Schwabe Pharma Italia / EnteroDophilus
Bromatech (IT) / Psicobrain
Schwabe Pharma Italia / MegaStress
naturopathica (au) / gastrohealth probiotic adults 50+
Ombre / Mood Enhancer
spain (es) / aquilea intimus
BIO-BOTANICAL RESEARCH / Megacidin
reserveage nutrition / beautiflora
amy meyers / primal earth probiotic
PrecisionBiotics / Zenflora
PharmExtracta / Bowell
Jetson / Gut Prep
up4 / adult
Ombre / Restore
spain (es) / gastrus
HLH BIOPHARMA(DE) / LACTOBACT ® AAD
spain (es) / vivomixx
genestra brands® hm
jarrow formulas / fem dophilus
quality health(au)/ fridge free probiotic 25b
jarrow formulas / bifidus balance® + fos
culturelle / culturelle
spain (es) / bivos
ProbioMax® Daily DF
JGL / Lactogyn
organic 3 / primal soil
SuperSmart / Bacillus Subtilis
LiveWell Nutrition / Pro-45
naturopathica (au) / gastrohealth probiotic ultimate daily care 100billion
microbiome labs / restorflora
spain (es) / suerobivos
Smidge / Sensitive Probiotic
Botica Alternativa / Lactobacilos Reuteri
bio-k+
jarrow formula / jarro-dophilus original
vitamin angels / just thrive
CustomProbiotics.com / L. Casei Probiotic Powder
solgar / advanced multi-billion dophilus
nature's way (au) / restore probiotic daily health 90s
Metabolics / Bifidobacterium Longum Powder
Windlove Probiotics / Ecologic®825
blackmores (au) / probiotics + adults daily (90 capsules)
ecology_allergycare
activia drink
PrecisionBiotics / Immune
bio-botanical research / proflo4r restorative probiotic
blackmore (au) / probiotics+ daily health
SuperSmart / Lactobacillus rhamnosus GG

Dr.Max / ProtectMax ATB
naturopathica (au) / gastrohealth probiotic daily care
jarrow formulas / jarro-dophilus® ultra
Energybalance / ColoBiotica 28 Colon Support
naturopathica (au) / gastrohealth women's probiotic with cranberry
jarrow formulas / jarro-dophilus mood
spain (es) / profaes4 edad escolar
cytoplan(uk) / dentavital bifidophilus
bioglan bio (au) / happy probiotic 50
CustomProbiotics.com / B. Longum Probiotic Powder
powerlabs (au) / ultra blend
Genesis Bifidobacterium Complex BB Probiotic
spain (es) / gum periobalance
vinco / probiotic eight 65
nature's instincts / ultra spore probiotic

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.

acetopromazine maleate salt,(prescription)
 acetylsalicylic acid,aspirin
 amikacin (antibiotic)s
 amiodarone hydrochloride,(prescription)
 amiprilose hydrochloride non-drug
 amodiaquin dihydrochloride dihydrate,(prescription)
 apramycin (antibiotic)s
 artemisinin,(prescription)
 asenapine maleate,(prescription)
 Baking Soda, Sodium Bicarbonate
 benzbromarone,(prescription)
 bifidobacterium pseudocatenulatum li09,bifidobacterium
 catenulatum li10 (probiotics)
 butenafine hydrochloride,(prescription)
 Caffeine
 celecoxib,(prescription)
 chlorpromazine hydrochloride,(prescription)
 chlorprothixene hydrochloride,(prescription)
 cinnarizine,(prescription)
 cladribine,(prescription)
 domiphen citrate (z,e),(prescription)
 cyproheptadine hydrochloride,(prescription)
 dequalinium dichloride
 dicumarol,(prescription)
 diethylstilbestrol,(prescription)
 digoxin,(prescription)
 efavirenz,(prescription)
 enterococcus faecium (probiotic)
 epinephrine
 estropipate,(prescription)
 ethacrynic acid,(prescription)
 ethinylestradiol,(prescription)
 ethopropazine hydrochloride,(prescription)
 famprofazone,(prescription)
 fat
 felodipine,(prescription)
 fendiline hydrochloride,(prescription)
 floxuridine,(prescription)
 gluten-free diet
 guanadrel sulfate,(prescription)
 haloprogyn,(prescription)
 hexachlorophene
 hexestrol,(prescription)
 high red meat
 hydrochlorothiazide,(prescription)
 ibutilide fumarate,(prescription)
 ku ding cha tea
 lactobacillus rhamnosus
 gg lactobacillus,rhamnosus,propionibacterium
 freudenreichii,bifidobacterium breve (probiotics)
 l-glutamine
 lomefloxacin hydrochloride (antibiotic)
 loperamide hydrochloride,(prescription)
 lorglumide sodium salt non-drug
 low carbohydrate diet
 loxapine succinate,(prescription)
 lymecycline (antibiotic)[CFS]
 meclozine dihydrochloride,(prescription)
 mercaptopurine,(prescription)
 mesoridazine besylate,(prescription)
 methiothepin maleate,(prescription)
 Methylene blue
 metixene hydrochloride,(prescription)
 mifepristone,(prescription)
 moricizine hydrochloride,(prescription)
 nadifloxacin (antibiotic)
 nilutamide,(prescription)
 nimodipine,(prescription)
 pectin
 pefloxacin (antibiotic)
 pimethixene maleate,(prescription)
 pimozide,(prescription)
 pizotifen malate,(prescription)
 pridinol methanesulfonate salt,(prescription)
 prilocaine hydrochloride,(prescription)
 proadifen hydrochloride non-drug
 prochlorperazine dimaleate,(prescription)
 promazine hydrochloride,(prescription)
 promethazine hydrochloride,(prescription)
 propidium iodide non-drug
 protriptyline hydrochloride,(prescription)
 quercetin, resveratrol
 raloxifene hydrochloride,(prescription)
 red wine
 resveratrol (grape seed/ polyphenols/ red wine)
 ribostamycin sulfate salt (antibiotic)
 rifaximin (antibiotic)s
 risperidone,(prescription)
 sarafloxacin (antibiotic)
 sertindole,(prescription)
 Slippery Elm
 stevia
 streptozotocin,(prescription)
 tamoxifen citrate,(prescription)
 tazobactam (antibiotic)
 thioridazine hydrochloride,(prescription)
 tiratricol, 3,3',5-triiodothyroacetic acid,(prescription)
 toremifene,(prescription)
 triclosan
 trimeprazine tartrate,(prescription)
 vegetable/fruit juice-based diets
 Vitamin B1,thiamine hydrochloride
 Vitamin B-12
 vitamin b2,Riboflavin
 vitamin B3,niacin
 Vitamin C (ascorbic acid)
 xylan (prebiotic)
 zotepine,(prescription)
 zuclopenthixol dihydrochloride,(prescription)

Sample of Literature Used

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

[Genetic predisposition of the gastrointestinal microbiome and primary biliary cholangitis: a bi-directional, two-sample Mendelian randomization analysis.](#)

Frontiers in endocrinology , Volume: 14 2023

Authors Luo X,You X

[Gut Microbiota Patterns in Patients with Non-Alcoholic Fatty Liver Disease: A Comprehensive Assessment Using Three Analysis Methods.](#)

International journal of molecular sciences , Volume: 24 Issue: 20 2023 Oct 17

Authors Korobeinikova AV,Zlobovskaya OA,Sheptulina AF,Ashniev GA,Bobrova MM,Yafarova AA,Akasheva DU,Kabieva SS,Bakoev SY,Zagaynova AV,Lukashina MV,Abramov IA,Pokrovskaya MS,Doludin YV,Tolkacheva LR,Kurnosov AS,Zyatenkova EV,Lavrenova EA,Efimova IA,Glazunova EV,Kiselev AR,Shipulin GA,Kontsevaya AV,Keskinov AA,Yudin VS,Makarov VV,Drapkina OM,Yudin SM

[Dietary food patterns as determinants of the gut microbiome-endocannabinoidome axis in humans.](#)

Scientific reports , Volume: 13 Issue: 1 2023 Sep 21

Authors Castonguay-Paradis S,Perron J,Flamand N,Lamarche B,Raymond F,Di Marzo V,Veilleux A

[The anti-hyperlipidemic effect and underlying mechanisms of barley \(*Hordeum vulgare* L.\) grass polysaccharides in mice induced by a high-fat diet.](#)

Food & function , 2023 Jul 14

Authors Yan JK,Chen TT,Li LQ,Liu F,Liu X,Li L

[The regulatory effects of specific polyphenols on *Akkermansia* are dependent on uridine.](#)

Food chemistry , Volume: 410 2023 Jun 1

Authors Gao X,Yue C,Tian R,Yu L,Tian F,Zhao J,Chen W,Zhai Q

[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

[A red wine intervention does not modify plasma trimethylamine N-oxide but is associated with broad shifts in the plasma metabolome and gut microbiota composition.](#)

The American journal of clinical nutrition , Volume: 116 Issue: 6 2022 Dec 19

Authors Haas EA,Saad MIA,Santos A,Vitolo N,Lemos WJF,Martins AMA,Picossi CRC,Favarato D,Gaspar RS,Magro DO,Libby P,Laurindo FRM,Da Luz PL,WineFlora Study

[Ursolic Acid Ameliorates Spinal Cord Injury in Mice by Regulating Gut Microbiota and Metabolic Changes.](#)

Frontiers in cellular neuroscience , Volume: 16 2022

Authors Rong ZJ,Cai HH,Wang H,Liu GH,Zhang ZW,Chen M,Huang YL

[Effects of fermented wheat bran and yeast culture on growth performance, immunity and intestinal microflora in growing-finishing pigs.](#)

Journal of animal science , 2021 Oct 23

Authors He W,Gao Y,Guo Z,Yang Z,Wang X,Liu H,Sun H,Shi B

[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

[Unravelling the collateral damage of antibiotics on gut bacteria.](#)

Nature , Volume: 599 Issue: 7883 2021 Nov

Authors Maier L,Goemans CV,Wirbel J,Kuhn M,Eberl C,Pruteanu M,Müller P,Garcia-Santamarina S,Cacace E,Zhang B,Gekeler C,Banerjee T,Anderson EE,Milanese A,Löber U,Forslund SK,Patil KR,Zimmermann M,Stecher B,Zeller G,Bork P,Typas A

[Protective Effect of Ginkgolide B against Cognitive Impairment in Mice via Regulation of Gut Microbiota.](#)

Journal of agricultural and food chemistry , Volume: 69 Issue: 41 2021 Oct 20

Authors Liu J,Ye T,Zhang Y,Zhang R,Kong Y,Zhang Y,Sun J

[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,Luis AJ

[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

[Effect of Vitamin A Supplementation on Growth Performance, Serum Biochemical Parameters, Intestinal Immunity](#)

Response and Gut Microbiota in American Mink (*Neovison vison*).

Animals : an open access journal from MDPI , Volume: 11 Issue: 6 2021 May 28

Authors Nan W,Si H,Yang Q,Shi H,Zhang T,Shi Q,Li G,Zhang H,Liu H

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

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

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

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

Effect of long-term methylene blue treatment on the composition of mouse gut microbiome and its relationship with the cognitive abilities of mice.

PloS one , Volume: 15 Issue: 11 2020

Authors Gureev AP,Syromyatnikov MY,Ignatyeva DA,Valuyskikh VV,Solodskikh SA,Panevina AV,Gryaznova MV,Kokina AV,Popov VN

Cultural isolation of spore-forming bacteria in human feces using bile acids.

Scientific reports , Volume: 10 Issue: 1 2020 Sep 14

Authors Tanaka M,Onizuka S,Mishima R,Nakayama J

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

Fisetin regulates gut microbiota to decrease CCR9⁺/CXCR3⁺/CD4⁺ T-lymphocyte count and IL-12 secretion to alleviate premature ovarian failure in mice.

American journal of translational research , Volume: 12 Issue: 1 2020

Authors Lin J,Nie X,Xiong Y,Gong Z,Chen J,Chen C,Huang Y,Liu T

The Association Between Smoking and Gut Microbiome in Bangladesh.

Nicotine & tobacco research : official journal of the Society for Research on Nicotine and Tobacco , Volume: 22 Issue: 8 2020 Jul 16

Authors Nolan-Kenney R,Wu F,Hu J,Yang L,Kelly D,Li H,Jasmine F,Kibriya MG,Parvez F,Shaheen I,Sarwar G,Ahmed A,Eunus M,Islam T,Pei Z,Ahsan H,Chen Y

Ursolic Acid Improves Intestinal Damage and Bacterial Dysbiosis in Liver Fibrosis Mice.

Frontiers in pharmacology , Volume: 10 2019

Authors Wan SZ,Liu C,Huang CK,Luo FY,Zhu X

Lactobacillus reuteri DSM 17938 feeding of healthy newborn mice regulates immune responses while modulating gut microbiota and boosting beneficial metabolites.

American journal of physiology. Gastrointestinal and liver physiology , 2019 Sep 4

Authors Liu Y,Tian X,He B,Hoang TK,Taylor CM,Blanchard E,Freeborn J,Park S,Luo M,Couturier J,Tran DQ,Roos S,Wu G,Rhoads JM

Walnuts and Vegetable Oils Differentially Affect the Gut Microbiome and Associations with Cardiovascular Risk Factors (OR29-06-19).

Current developments in nutrition , Volume: 3 Issue: Suppl 1 2019 Jun

Authors Tindall A,McLimans C,Petersen K,Kris-Etherton P,Lamendella R

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

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

A low-gluten diet induces changes in the intestinal microbiome of healthy Danish adults.

Nature communications , Volume: 9 Issue: 1 2018 Nov 13

Authors Hansen LBS, Roaeger HM, Søndertoft NB, Gøbel RJ, Kristensen M, Vallès-Colomer M, Vieira-Silva S, Ibrügger S, Lind MV, Mærkedahl RB, Bahl MI, Madsen ML, Havelund J, Falony G, Tetens I, Nielsen T, Allin KH, Frandsen HL, Hartmann B, Holst JJ, Sparholt MH, Holck J, Blennow A, Moll JM, Meyer AS, Hoppe C, Poulsen JH, Carvalho V, Sagnelli D, Dalgaard MD, Christensen AF, Lydolph MC, Ross AB, Villas-Bôas S, Brix S, Sicheritz-Pontén T, Buschard K, Linneberg A, Rumessen JJ, Ekstrøm CT, Ritz C, Kristiansen K, Nielsen HB, Vestergaard H, Færgeman NJ, Raes J, Frøkiær H, Hansen T, Lauritzen L, Gupta R, Licht TR, Pedersen O
Inulin-type fructans improve active ulcerative colitis associated with microbiota changes and increased short-chain fatty acids levels.

Gut microbes , 2018 Nov 5

Authors Valcheva R, Koleva P, Martínez I, Walter J, Gänzle MG, Dieleman LA

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

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

Changes in metabolism and microbiota after 24-week risperidone treatment in drug naive, normal weight patients with first episode schizophrenia.

Schizophrenia research , 2018 May 30

Authors Yuan X, Zhang P, Wang Y, Liu Y, Li X, Kumar BU, Hei G, Lv L, Huang XF, Fan X, Song X

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

Walnut Consumption Alters the Gastrointestinal Microbiota, Microbially Derived Secondary Bile Acids, and Health Markers in Healthy Adults: A Randomized Controlled Trial.

The Journal of nutrition , Volume: 148 Issue: 6 2018 Jun 1

Authors Holscher HD, Gutterman HM, Swanson KS, An R, Matthan NR, Lichtenstein AH, Novotny JA, Baer DJ

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

Prebiotic Potential of Herbal Medicines Used in Digestive Health and Disease.

Journal of alternative and complementary medicine (New York, N.Y.) , Volume: 24 Issue: 7 2018 Jul

Authors Peterson CT, Sharma V, Uchitel S, Denniston K, Chopra D, Mills PJ, Peterson SN

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

Inulin-type fructan improves diabetic phenotype and gut microbiota profiles in rats.

PeerJ , Volume: 6 2018

Authors Zhang Q, Yu H, Xiao X, Hu L, Xin F, Yu X

Prebiotic Wheat Bran Fractions Induce Specific Microbiota Changes.

Frontiers in microbiology , Volume: 9 2018

Authors D`hoe K, Conterno L, Fava F, Falony G, Vieira-Silva S, Vermeiren J, Tuohy K, Raes J

Almond Consumption and Processing Affects the Composition of the Gastrointestinal Microbiota of Healthy Adult Men and Women: A Randomized Controlled Trial.

Nutrients , Volume: 10 Issue: 2 2018 Jan 26

Authors Holscher HD, Taylor AM, Swanson KS, Novotny JA, Baer DJ

Rifaximin ameliorates hepatic encephalopathy and endotoxemia without affecting the gut microbiome diversity.

World journal of gastroenterology , Volume: 23 Issue: 47 2017 Dec 21

Authors Kaji K, Takaya H, Saikawa S, Furukawa M, Sato S, Kawaratani H, Kitade M, Moriya K, Namisaki T, Akahane T, Mitoro A, Yoshiji H

Impact of Omega-3 Fatty Acids on the Gut Microbiota.

International journal of molecular sciences , Volume: 18 Issue: 12 2017 Dec 7

Authors Costantini L, Molinari R, Farinon B, Merendino N

Genes and Gut Bacteria Involved in Luminal Butyrate Reduction Caused by Diet and Loperamide.

Genes , Volume: 8 Issue: 12 2017 Nov 28

Authors Hwang N, Eom T, Gupta SK, Jeong SY, Jeong DY, Kim YS, Lee JH, Sadowsky MJ, Unno T

[A combination of quercetin and resveratrol reduces obesity in high-fat diet-fed rats by modulation of gut microbiota.](#)

Food & function , Volume: 8 Issue: 12 2017 Dec 13

Authors Zhao L,Zhang Q,Ma W,Tian F,Shen H,Zhou M

[Modulating Effects of Dicafeoylquinic Acids from Ilex kudingcha on Intestinal Microecology in Vitro.](#)

Journal of agricultural and food chemistry , Volume: 65 Issue: 47 2017 Nov 29

Authors Xie M,Chen G,Wan P,Dai Z,Hu B,Chen L,Ou S,Zeng X,Sun Y

[High-Salt Diet Has a Certain Impact on Protein Digestion and Gut Microbiota: A Sequencing and Proteome Combined Study.](#)

Frontiers in microbiology , Volume: 8 2017

Authors Wang C,Huang Z,Yu K,Ding R,Ye K,Dai C,Xu X,Zhou G,Li C

[Illumina Sequencing Approach to Characterize Thiamine Metabolism Related Bacteria and the Impacts of Thiamine Supplementation on Ruminal Microbiota in Dairy Cows Fed High-Grain Diets.](#)

Frontiers in microbiology , Volume: 8 2017

Authors Pan X,Xue F,Nan X,Tang Z,Wang K,Beckers Y,Jiang L,Xiong B

[Omega-3 fatty acids correlate with gut microbiome diversity and production of N-carbamylglutamate in middle aged and elderly women.](#)

Scientific reports , Volume: 7 Issue: 1 2017 Sep 11

Authors Menni C,Zierer J,Pallister T,Jackson MA,Long T,Mohney RP,Steves CJ,Spector TD,Valdes AM

[Bifidobacterium pseudocatenulatum LI09 and Bifidobacterium catenulatum LI10 attenuate D-galactosamine-induced liver injury by modifying the gut microbiota](#)

Scientific Reports , Volume: 7 2017 Aug 18

Authors Fang D,Shi D,Lv L,Gu S,Wu W,Chen Y,Guo J,Li A,Hu X,Guo F,Ye J,Li Y,Li L

[Effect of ginkgo extract supplementation on in vitro rumen fermentation and bacterial profiles under different dietary conditions.](#)

Animal science journal = Nihon chikusan Gakkaiho , Volume: 88 Issue: 11 2017 Nov

Authors Oh S,Koike S,Kobayashi Y

[Health benefit of vegetable/fruit juice-based diet: Role of microbiome](#)

Scientific Reports , Volume: 7 2017 May 19

Authors Henning SM,Yang J,Shao P,Lee RP,Huang J,Ly A,Hsu M,Lu QY,Thames G,Heber D,Li Z

[The effects of micronutrient deficiencies on bacterial species from the human gut microbiota.](#)

Science translational medicine , Volume: 9 Issue: 390 2017 May 17

Authors Hibberd MC,Wu M,Rodionov DA,Li X,Cheng J,Griffin NW,Barratt MJ,Giannone RJ,Hettich RL,Osterman AL,Gordon JI

[Influence of diet on the gut microbiome and implications for human health.](#)

Journal of translational medicine , Volume: 15 Issue: 1 2017 Apr 8

Authors Singh RK,Chang HW,Yan D,Lee KM,Ucmak D,Wong K,Abrouk M,Farahnik B,Nakamura M,Zhu TH,Bhutani T,Liao W

[Impact of Westernized Diet on Gut Microbiota in Children on Leyte Island.](#)

Frontiers in microbiology , Volume: 8 2017

Authors Nakayama J,Yamamoto A,Palermo-Conde LA,Higashi K,Sonomoto K,Tan J,Lee YK

[Prebiotic inulin-type fructans induce specific changes in the human gut microbiota.](#)

Gut , Volume: 66 Issue: 11 2017 Nov

Authors Vandeputte D,Falony G,Vieira-Silva S,Wang J,Sailer M,Theis S,Verbeke K,Raes J

[A metagenomic study of the preventive effect of Lactobacillus rhamnosus GG on intestinal polyp formation in Apc^{Min/+} mice.](#)

Journal of applied microbiology , Volume: 122 Issue: 3 2017 Mar

Authors Ni Y,Wong VH,Tai WC,Li J,Wong WY,Lee MM,Fong FL,El-Nezami H,Panagiotou G

[Improved Glucose Homeostasis in Obese Mice Treated With Resveratrol Is Associated With Alterations in the Gut Microbiome.](#)

Diabetes , Volume: 66 Issue: 2 2017 Feb

Authors Sung MM,Kim TT,Denou E,Soletys CM,Hamza SM,Byrne NJ,Masson G,Park H,Wishart DS,Madsen KL,Schertzer JD,Dyck JR

[Nutritional Correlates of Human Oral Microbiome.](#)

Journal of the American College of Nutrition , Volume: 36 Issue: 2 2017 Feb

Authors Kato I,Vasquez A,Moyerbrailean G,Land S,Djuric Z,Sun J,Lin HS,Ram JL

[Effects of long-term Bacillus subtilis CGMCC 1.921 supplementation on performance, egg quality, and fecal and cecal microbiota of laying hens.](#)

Poultry science , Volume: 96 Issue: 5 2017 May 1

Authors Guo JR,Dong XF,Liu S,Tong JM

[Vitamin A deficiency impacts the structural segregation of gut microbiota in children with persistent diarrhea.](#)

Journal of clinical biochemistry and nutrition , Volume: 59 Issue: 2 2016 Sep

Authors Lv Z,Wang Y,Yang T,Zhan X,Li Z,Hu H,Li T,Chen J

Dairy and plant based food intakes are associated with altered faecal microbiota in 2 to 3 year old Australian children.

Scientific reports , Volume: 6 2016 Oct 3

Authors Smith-Brown P,Morrison M,Krause L,Davies PS

Efficacy and role of inulin in mitigation of enteric sulfur-containing odor in pigs.

Journal of the science of food and agriculture , Volume: 97 Issue: 8 2017 Jun

Authors Deng YF,Liu YY,Zhang YT,Wang Y,Liang JB,Tufarelli V,Laudadio V,Liao XD

Benefits of Bifidobacterium animalis subsp. lactis Probiotic in Experimental Periodontitis.

Journal of periodontology , Volume: 88 Issue: 2 2017 Feb

Authors Oliveira LF,Salvador SL,Silva PH,Furlaneto FA,Figueiredo L,Casarin R,Evolino E,Palioto DB,Souza SL,Taba M Jr,Novaes AB Jr,Messora MR

In vitro effects of sodium bicarbonate buffer on rumen fermentation, levels of lipopolysaccharide and biogenic amine, and composition of rumen microbiota.

Journal of the science of food and agriculture , Volume: 97 Issue: 4 2017 Mar

Authors Mao S,Huo W,Liu J,Zhang R,Zhu W

Inflammasome signaling affects anxiety- and depressive-like behavior and gut microbiome composition.

Molecular psychiatry , Volume: 21 Issue: 6 2016 Jun

Authors Wong ML,Inserra A,Lewis MD,Mastronardi CA,Leong L,Choo J,Kentish S,Xie P,Morrison M,Wesselingh SL,Rogers GB,Licinio J

Effect of Formula Containing Lactobacillus reuteri DSM 17938 on Fecal Microbiota of Infants Born by Cesarean-Section.

Journal of pediatric gastroenterology and nutrition , Volume: 63 Issue: 6 2016 Dec

Authors Garcia Rodenas CL,Lepage M,Ngom-Bru C,Fotiou A,Papagaroufalos K,Berger B

The Effect of Lactobacillus casei 32G on the Mouse Cecum Microbiota and Innate Immune Response Is Dose and Time Dependent.

PloS one , Volume: 10 Issue: 12 2015

Authors Aktas B,De Wolfe TJ,Tandee K,Safdar N,Darfen BJ,Steele JL

From an imbalance to a new imbalance: Italian-style gluten-free diet alters the salivary microbiota and metabolome of African celiac children.

Scientific reports , Volume: 5 2015 Dec 18

Authors Ercolini D,Franca Villa R,Vannini L,De Filippis F,Capriati T,Di Cagno R,Iacono G,De Angelis M,Gobbetti M

Modulation of the gut microbiota composition by rifaximin in non-constipated irritable bowel syndrome patients: a molecular approach

Clinical and Experimental Gastroenterology , Volume: 8 2015 Dec 4

Authors Soldi S,Vasileiadis S,Uggeri F,Campanale M,Morelli L,Fogli MV,Calanni F,Grimaldi M,Gasbarrini A

Membrane filter method to study the effects of Lactobacillus acidophilus and Bifidobacterium longum on fecal microbiota.

Microbiology and immunology , Volume: 59 Issue: 11 2015 Nov

Authors Shimizu H,Benno Y

Effect of Bacillus subtilis CGMCC 1.1086 on the growth performance and intestinal microbiota of broilers.

Journal of applied microbiology , Volume: 120 Issue: 1 2016 Jan

Authors Li Y,Xu Q,Huang Z,Lv L,Liu X,Yin C,Yan H,Yuan J

Effects of dietary supplementation with lysine-yielding Bacillus subtilis on gut morphology, cecal microflora, and intestinal immune response of Linwu ducks.

Journal of animal science , Volume: 93 Issue: 7 2015 Jul

Authors Xing Y,Wang S,Fan J,Oso AO,Kim SW,Xiao D,Yang T,Liu G,Jiang G,Li Z,Li L,Zhang B

Lactobacillus rhamnosus GG-supplemented formula expands butyrate-producing bacterial strains in food allergic infants.

The ISME journal , Volume: 10 Issue: 3 2016 Mar

Authors Berni Canani R,Sangwan N,Stefka AT,Nocerino R,Paparo L,Aitoro R,Calignano A,Khan AA,Gilbert JA,Nagler CR

Effect of Whole-Grain Barley on the Human Fecal Microbiota and Metabolome.

Applied and environmental microbiology , Volume: 81 Issue: 22 2015 Nov

Authors De Angelis M,Montemurno E,Vannini L,Cosola C,Cavallo N,Gozzi G,Maranzano V,Di Cagno R,Gobbetti M,Gesualdo L

Reutericyclin producing Lactobacillus reuteri modulates development of fecal microbiota in weanling pigs.

Frontiers in microbiology , Volume: 6 2015

Authors Yang Y,Zhao X,Le MH,Zijlstra RT,Gänzle MG

Modulation of gut microbiota in rats fed high-fat diets by processing whole-grain barley to barley malt.

Molecular nutrition & food research , Volume: 59 Issue: 10 2015 Oct

Authors Zhong Y,Nyman M,Fåk F

Wheat and barley differently affect porcine intestinal microbiota.

Journal of the science of food and agriculture , Volume: 96 Issue: 6 2016 Apr

Authors Weiss E,Aumiller T,Spindler HK,Rosenfelder P,Eklund M,Witzig M,Jørgensen H,Bach Knudsen KE,Mosenthin R

Chronic cigarette smoke exposure induces microbial and inflammatory shifts and mucin changes in the murine gut.

Environmental microbiology , Volume: 18 Issue: 5 2016 May

Authors Allais L, Kerckhof FM, Verschueren S, Bracke KR, De Smet R, Laukens D, Van den Abbeele P, De Vos M, Boon N, Brusselle GG, Cuvelier CA, Van de Wiele T

Oral supplementation with L-glutamine alters gut microbiota of obese and overweight adults: A pilot study.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 31 Issue: 6 2015 Jun

Authors de Souza AZ, Zamboni AZ, Abboud KY, Reis SK, Tannihão F, Guadagnini D, Saad MU, Prada PO

GUT MICROBIOTA DYSBIOSIS IS LINKED TO HYPERTENSION

Hypertension , Volume: 65 Issue: 6 2015 Apr 13

Authors Yang T, Santisteban MM, Rodriguez V, Li E, Ahmari N, Carvajal JM, Zadeh M, Gong M, Qi Y, Zubcevic J, Sahay B, Pepine CJ, Raizada MK, Mohammadzadeh M

Comparative in vitro fermentations of cranberry and grape seed polyphenols with colonic microbiota.

Food chemistry , Volume: 183 2015 Sep 15

Authors Sánchez-Patán F, Barroso E, van de Wiele T, Jiménez-Girón A, Martín-Alvarez PJ, Moreno-Arribas MV, Martínez-Cuesta MC, Peláez C, Requena T, Bartolomé B

Red wine consumption is associated with fecal microbiota and malondialdehyde in a human population.

Journal of the American College of Nutrition , Volume: 34 Issue: 2 2015

Authors Cuervo A, Reyes-Gavilán CG, Ruas-Madiedo P, Lopez P, Suarez A, Gueimonde M, González S

Effects of bowel cleansing on the intestinal microbiota.

Gut , Volume: 64 Issue: 10 2015 Oct

Authors Jalanka J, Salonen A, Salojärvi J, Ritari J, Immonen O, Marciani L, Gowland P, Hoad C, Garsed K, Lam C, Palva A, Spiller RC, de Vos WM

Longitudinal shifts in bacterial diversity and fermentation pattern in the rumen of steers grazing wheat pasture.

Anaerobe , Volume: 30 2014 Dec

Authors Pitta DW, Pinchak WE, Dowd S, Dorton K, Yoon I, Min BR, Fulford JD, Wickersham TA, Malinowski DP

Coexpression and secretion of endoglucanase and phytase genes in Lactobacillus reuteri.

International journal of molecular sciences , Volume: 15 Issue: 7 2014 Jul 21

Authors Wang L, Yang Y, Cai B, Cao P, Yang M, Chen Y

Fermentable non-starch polysaccharides increases the abundance of Bacteroides-Prevotella-Porphyrromonas in ileal microbial community of growing pigs.

Animal : an international journal of animal bioscience , Volume: 8 Issue: 11 2014 Nov

Authors Ivarsson E, Roos S, Liu HY, Lindberg JE

Lactobacillus plantarum IFPL935 impacts colonic metabolism in a simulator of the human gut microbiota during feeding with red wine polyphenols.

Applied microbiology and biotechnology , Volume: 98 Issue: 15 2014 Aug

Authors Barroso E, Van de Wiele T, Jiménez-Girón A, Muñoz-González I, Martín-Alvarez PJ, Moreno-Arribas MV, Bartolomé B, Peláez C, Martínez-Cuesta MC, Requena T

454 pyrosequencing reveals changes in the faecal microbiota of adults consuming Lactobacillus casei Zhang.

FEMS microbiology ecology , Volume: 88 Issue: 3 2014 Jun

Authors Zhang J, Wang L, Guo Z, Sun Z, Gesudu Q, Kwok L, Menghebilige, Zhang H

Bile acids and the gut microbiome.

Current opinion in gastroenterology , Volume: 30 Issue: 3 2014 May

Authors Ridlon JM, Kang DJ, Hylemon PB, Bajaj JS

RNA-stable-isotope probing shows utilization of carbon from inulin by specific bacterial populations in the rat large bowel.

Applied and environmental microbiology , Volume: 80 Issue: 7 2014 Apr

Authors Tannock GW, Lawley B, Munro K, Sims IM, Lee J, Butts CA, Roy N

Modulation of the metabiome by rifaximin in patients with cirrhosis and minimal hepatic encephalopathy.

PLoS one , Volume: 8 Issue: 4 2013

Authors Bajaj JS, Heuman DM, Sanyal AJ, Hylemon PB, Sterling RK, Stravitz RT, Fuchs M, Ridlon JM, Daita K, Monteith P, Noble NA, White MB, Fisher A, Sikaroodi M, Rangwala H, Gillevet PM

Fecal microbial communities of healthy adult dogs fed raw meat-based diets with or without inulin or yeast cell wall extracts as assessed by 454 pyrosequencing.

FEMS microbiology ecology , Volume: 84 Issue: 3 2013 Jun

Authors Beloshapka AN, Dowd SE, Suchodolski JS, Steiner JM, Ducloux L, Swanson KS

Gut microbiome composition is linked to whole grain-induced immunological improvements.

The ISME journal , Volume: 7 Issue: 2 2013 Feb

Authors Martínez I, Lattimer JM, Hubach KL, Case JA, Yang J, Weber CG, Louk JA, Rose DJ, Kyureghian G, Peterson DA, Haub MD, Walter J

Rifaximin modulates the colonic microbiota of patients with Crohn`s disease: an in vitro approach using a continuous culture colonic model system.

The Journal of antimicrobial chemotherapy , Volume: 65 Issue: 12 2010 Dec

Authors *Maccaferri S, Vitali B, Klinder A, Kolida S, Ndagijimana M, Laghi L, Calanni F, Brigidi P, Gibson GR, Costabile A*

Effect of a multispecies probiotic supplement on quantity of irritable bowel syndrome-related intestinal microbial phylotypes.

BMC gastroenterology , Volume: 10 2010 Sep 19

Authors *Lyra A, Krogius-Kurikka L, Nikkilä J, Malinen E, Kajander K, Kurikka K, Korpela R, Palva A*

Exopolysaccharides produced by intestinal Bifidobacterium strains act as fermentable substrates for human intestinal bacteria.

Applied and environmental microbiology , Volume: 74 Issue: 15 2008 Aug

Authors *Salazar N, Gueimonde M, Hernández-Barranco AM, Ruas-Madiedo P, de los Reyes-Gavilán CG*

Variability in gut microbiota response to an inulin-type fructan prebiotic within an in vitro three-stage continuous colonic model system

Bioactive Carbohydrates and Dietary Fibre , Volume: 11 Issue: July 2017 July 2017

Authors *G. Healey*

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

Animal Nutrition , Volume: 3 Issue: 2 July 2017

Authors *Dan Luo*

Effects of probiotic Enterococcus faecium NCIMB 11181 administration on swine fecal microbiota diversity and composition using barcoded pyrosequencing

Animal Feed Science and Technology , Volume: 201 2015 Mar

Authors *Edward Alain B. Pajarillo, Dae-Kyung Kang, Chan-Soo Park, Hyeun Bum Kim, Marilen P Balolong*

The effect of inulin and/or wheat bran in the diet during early life on intestinal health of broiler chicks

21st European Symposium on Poultry Nutrition (ESPN 2017) , Volume: Unpublished conference/Abstract Issue: Jan 2018

Authors *Li, Bing*

Additional sources and private correspondance

Private Correspondance , Volume: 1 Issue: 2018

Curated database of commensal, symbiotic and pathogenic microbiota

Generative Bioinformatics , Volume: Issue: 2014 Jun

Authors *D'Adamo Peter*

The effect of cocultivation with hydrogen-consuming bacteria on xylanolysis by Ruminococcus flavefaciens

Current Microbiology , Volume: 29 Issue: 3 Sep 1994

Authors *A. G. Williams*

Additional APriori Analysis Available

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

Abdominal Aortic Aneurysm

Acne

ADHD

Age-Related Macular Degeneration and Glaucoma

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

Atrial fibrillation

Autism

Autoimmune Disease

Barrett esophagus cancer

benign prostatic hyperplasia
Bipolar Disorder
Brain Trauma
Breast Cancer
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
erectile dysfunction
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
Heart Failure
Hidradenitis Suppurativa
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
Intracranial aneurysms
Irritable Bowel Syndrome
Juvenile idiopathic arthritis
Liver Cirrhosis
Long COVID
Low bone mineral density
Lung Cancer
ME/CFS with IBS
ME/CFS without IBS
Menopause

Metabolic Syndrome
Mood Disorders
Multiple Sclerosis
Multiple system atrophy (MSA)
myasthenia gravis
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
Polycystic ovary syndrome
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder
primary biliary cholangitis
Psoriasis
rheumatoid arthritis (RA), Spondyloarthritis (SpA)
Rosacea
Schizophrenia
scoliosis
sensorineural hearing loss
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