Microbiome Information for: Rosacea

For prescribing Medical professionals Review

The suggestions below are based on an Expert System (Artificial Intelligence) modelled after the MYCIN Expert System produced at Stanford University School of Medicine in 1972. The system uses over 1,800,000 facts with backward chaining to sources of information. The typical sources are studies published on the US National Library of Medicine.

Many recent studies has found that symptoms and symptom severity has strong associations to the microbiome for many conditions. Correcting the microbiome dysfunction is beleived to reduce the severity of symptoms. In some cases, this correction may cause symptoms to disappear.

These are a *priori suggestions* that are predicted to independently reduce microbiome dysfunction. Suggestions should *only be done after a review* by a medical professional factoring in patient's conditions, allergies and other issues.

This report may be freely shared by a patient to their medical professionals

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Best practise for making microbiome adjustments is to obtain the individuals microbiome. The following are the best microbiome to use with this expert system model. The suggestions below are intended as temporary suggestions until a test result in received.

In the USA
Ombre (https://www.ombrelab.com/)
Thorne (https://www.thorne.com/products/dp/gut-health-test)
***Worldwide*: BiomeSight (https://biomesight.com) - Discount Code 'MICRO'**

Analysis Provided by Microbiome Prescription

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Email: Research@MicrobiomePrescription.com

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Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Rosacea

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
Actinomycetes	*class*	High	*1760*
Bacteroidia	*class*	High	*200643*
Chlamydiia	*class*	High	*204429*
Deltaproteobacteria	*class*	High	*28221*
Acidaminococcus	*genus*	Low	*904*
Bifidobacterium	*genus*	High	*1678*
Candidatus Rhabdochlamydia	*genus*	High	*292833*
Citrobacter	*genus*	Low	*544*
Clostridium	*genus*	Low	*1485*
Haemophilus	*genus*	Low	*724*
Lactobacillus	*genus*	Low	*1578*
Megasphaera	*genus*	Low	*906*
Roseburia	*genus*	Low	*841*
Ruminococcus	*genus*	High	*1263*
Sarcina	*genus*	High	*1266*
Desulfovibrionales	*order*	High	*213115*
[Ruminococcus] torques	*species*	High	*33039*
Chlamydia pneumoniae	*species*	High	*83558*
Helicobacter pylori	*species*	High	*210*
Heyndrickxia oleronia	*species*	High	*38875*
Staphylococcus epidermidis	*species*	High	*1282*

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.

Cacao 20 gram/day
fructo-oligosaccharides (prebiotic) 15 gram/day
high fiber diet
Human milk oligosaccharides (prebiotic, Holigos, Stachyose) 2 gram/day
oligosaccharides (prebiotic)
partially hydrolyzed guar gum 6 gram/day
resistant starch
soy 25 gram/day
vitamin d 50000 UI/day

Retail Probiotics

Over 260 retail probiotics were evaluted with the following deem beneficial with no known adverse risks.

- **jarrow formulas / bifidus balance® + fos**
- **Bromatech (IT) / Lautoselle**
- **optibac / for every day**
- **Bromatech (IT) / Serobiome**
- **ISCON Elegance/ Ochek Capsule 10**
- **Nutrition Essentials / Probiotic (900 BCFU)**
- **optibac / bifidobacteria & fibre**
- **blackmore (au) / probiotics+ bowel support**
- **Bio Schwartz / Advance Strength Probiotics (40 BCFU)**

Note: Some of these are only available regionally – search the web for sources.

Substance to Consider Reducing or Eliminating

These are the most signigicant 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.

- amoxicillin (antibiotic)s[CFS]
- atorvastatin (prescription)
- Burdock Root
- cinnamon (oil. spice)
- fat
- foeniculum vulgare,fennel
- garlic (allium sativum)
- high-fat diets
- Lactobacillus Johnsonii (probiotic)
- lactobacillus reuteri (probiotics)
- macrolide ((antibiotic)s)
- metronidazole (antibiotic)s[CFS]
- pea (fiber, protein)
- proton-pump inhibitors (prescription)
- resveratrol (grape seed/polyphenols/red wine)
- ribostamycin sulfate salt (antibiotic)
- tetracycline (antibiotic)s
- trimethoprim (antibiotic)s
- vancomycin (antibiotic)[CFS]
- walnuts
- xylan (prebiotic)

Sample of Literature Used

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

Exploring the Association between Gut Microbiota and Inflammatory Skin Diseases: A Two-Sample Mendelian Randomization Analysis.
Microorganisms , Volume: 11 Issue: 10 2023 Oct 19
Authors Long J,Gu J,Yang J,Chen P,Dai Y,Lin Y,Wu M,Wu Y

Microbiota in Rosacea.
American journal of clinical dermatology , Volume: 21 Issue: Suppl 1 2020 Sep
Authors Kim HS

An altered fecal microbial profiling in rosacea patients compared to matched controls.
Journal of the Formosan Medical Association = Taiwan yi zhi , Volume: 120 Issue: 1 Pt 1 2021 Jan
Authors Chen YJ,Lee WH,Ho HJ,Tseng CH,Wu CY

Potential role of microorganisms in the pathogenesis of rosacea.
Journal of the American Academy of Dermatology , Volume: 69 Issue: 6 2013 Dec
Authors Holmes AD

sRAGE-binding and antimicrobial bioactivities of soy and pea protein after heating and in vitro infant digestion.
Food research international (Ottawa, Ont.) , Volume: 183 2024 May
Authors Tang J,Teodorowicz M,Boeren S,Wichers HJ,Hettinga KA

Resveratrol Improves Hyperuricemia and Ameliorates Renal Injury by Modulating the Gut Microbiota.
Nutrients , Volume: 16 Issue: 7 2024 Apr 7
Authors Zhou Y,Zeng Y,Wang R,Pang J,Wang X,Pan Z,Jin Y,Chen Y,Yang Y,Ling W

Screening competition and cross-feeding interactions during utilization of human milk oligosaccharides by gut microbes.
Microbiome research reports , Volume: 3 Issue: 1 2024
Authors Díaz R,Garrido D

Effects of Spirulina platensis and/or Allium sativum on Antioxidant Status, Immune Response, Gut Morphology, and Intestinal Lactobacilli and Coliforms of Heat-Stressed Broiler Chicken.
Veterinary sciences , Volume: 10 Issue: 12 2023 Nov 27
Authors Attia YA,Hassan RA,Addeo NF,Bovera F,Alhotan RA,Al-Qurashi AD,Al-Baadani HH,Al-Banoby MA,Khafaga AF,Eisenreich W,Shehata AA,Basiouni S

Xylooligosaccharides produced from sugarcane leaf arabinoxylan using xylanase from Aureobasidium pullulans NRRL 58523 and its prebiotic activity toward Lactobacillus spp.
Heliyon , Volume: 9 Issue: 11 2023 Nov
Authors Nongkhai SN,Piemthongkham P,Bankeeree W,Punnapayak H,Lotrakul P,Prasongsuk S

Influence of Sex and a High-Fiber Diet on the Gut Microbiome of Alentejano Pigs Raised to Heavy Weights.
Veterinary sciences , Volume: 10 Issue: 11 2023 Nov 2
Authors Albuquerque A,Garrido N,Charneca R,Egas C,Martin L,Ramos A,Costa F,Marmelo C,Martins JM

Gut microbiome supplementation as therapy for metabolic syndrome.
World journal of diabetes , Volume: 14 Issue: 10 2023 Oct 15
Authors Antony MA,Chowdhury A,Edem D,Raj R,Nain P,Joglekar M,Verma V,Kant R

Effects of Walnut and Pumpkin on Selective Neurophenotypes of Autism Spectrum Disorders: A Case Study.
Nutrients , Volume: 15 Issue: 21 2023 Oct 27
Authors El-Ansary A,Al-Ayadhi L

Utilization of diverse oligosaccharides for growth by Bifidobacterium and Lactobacillus species and their in vitro co-cultivation characteristics.
International microbiology : the official journal of the Spanish Society for Microbiology , 2023 Nov 9
Authors Dong Y,Han M,Fei T,Liu H,Gai Z

Spices as Sustainable Food Preservatives: A Comprehensive Review of Their Antimicrobial Potential.
Pharmaceuticals (Basel, Switzerland) , Volume: 16 Issue: 10 2023 Oct 12
Authors Sulieman AME,Abdallah EM,Alanazi NA,Ed-Dra A,Jamal A,Idriss H,Alshammari AS,Shommo SAM

Antibiotic Resistance Rates for Helicobacter pylori in Rural Arizona: A Molecular-Based Study.
Microorganisms , Volume: 11 Issue: 9 2023 Sep 12
Authors Monroy FP,Brown HE,Acevedo-Solis CM,Rodriguez-Galaviz A,Dholakia R,Pauli L,Harris RB

Comparing the Influences of Metformin and Berberine on the Intestinal Microbiota of Rats With Nonalcoholic Steatohepatitis.
In vivo (Athens, Greece) , Volume: 37 Issue: 5 2023 Sep-Oct
Authors Chen D,Xiong J,Chen G,Zhang Z,Liu Y,Xu J,Xu H

Cinnamon oil solid self-microemulsion mediates chronic mild stress-induced depression in mice by modulating monoamine neurotransmitters, corticosterone, inflammation cytokines, and intestinal flora.

Heliyon , Volume: 9 Issue: 6 2023 Jun

Authors Ma T,Tang B,Wang Y,Shen M,Ping Y,Wang L,Su J

Dietary Prebiotic Oligosaccharides and Arachidonate Alter the Fecal Microbiota and Mucosal Lipid Composition of Suckling Pigs.

The Journal of nutrition , 2023 Jun 20

Authors Eudy BJ,Odle J,Lin X,Maltecca C,Walter KR,McNulty NP,Fellner V,Jacobi SK

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

Effect of garlic extract on weight loss and gut microbiota composition in obese women: A double-blind randomized controlled trial.

Frontiers in nutrition , Volume: 9 2022

Authors Ettehad-Marvasti F,Ejtahed HS,Siadat SD,Soroush AR,Hoseini-Tavassol Z,Hasani-Ranjbar S,Larijani B

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

Alterations in the composition of the gut microbiota affect absorption of cholecalciferol in severe osteoporosis.

Journal of bone and mineral metabolism , 2022 Feb 1

Authors Cheng J,Zhong WL,Zhao JW,Zhai JH,Chen C,Chao AJ,Ren Z,Zhou L,Wang BM

Substitution of Refined Conventional Wheat Flour with Wheat High in Resistant Starch Modulates the Intestinal Microbiota and Fecal Metabolites in Healthy Adults: A Randomized, Controlled Trial.

The Journal of nutrition , 2022 Jan 31

Authors Gondalia SV,Wymond B,Benassi-Evans B,Berbezy P,Bird AR,Belobrajdic DP

Dietary Supplementation with Vitamin D, Fish Oil or Resveratrol Modulates the Gut Microbiome in Inflammatory Bowel Disease.

International journal of molecular sciences , Volume: 23 Issue: 1 2021 Dec 24

Authors Wellington VNA,Sundaram VL,Singh S,Sundaram U

Comparison of Drug Resistance of Helicobacter pylori Between Children and Adults in Jilin, China.

The Turkish journal of gastroenterology : the official journal of Turkish Society of Gastroenterology , Volume: 32 Issue: 12 2021 Dec

Authors Wang L,Zhang J,Hu M,Pang X

The relationship between human milk, a functional nutrient, and microbiota.

Critical reviews in food science and nutrition , 2021 Dec 6

Authors Sakarya E,Sanlier NT,Sanlier N

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,Takihara T,Kinugasa H

Regulatory Effect of Resveratrol on Inflammation Induced by Lipopolysaccharides *via* Reprograming Intestinal Microbes and Ameliorating Serum Metabolism Profiles.

Frontiers in immunology , Volume: 12 2021

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

Increasing Helicobacter pylori clarithromycin resistance in Australia over 20?years.

Internal medicine journal , 2021 Dec 5

Authors Schubert JP,Warner MS,Rayner CK,Roberts-Thomson IC,Mangoni AA,Costello S,Bryant RV

Cinnamaldehyde Promotes the Intestinal Barrier Functions and Reshapes Gut Microbiome in Early Weaned Rats.

Frontiers in nutrition , Volume: 8 2021

Authors Qi L,Mao H,Lu X,Shi T,Wang J

Bifidobacterium catabolism of human milk oligosaccharides overrides endogenous competitive exclusion driving colonization and protection.

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

Authors Heiss BE,Ehrlich AM,Maldonado-Gomez MX,Taft DH,Larke JA,Goodson ML,Slupsky CM,Tancredi DJ,Raybould HE,Mills DA

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,Lusis AJ

Vitamin D and The Gut Microbiota: a Narrative Literature Review.
Clinical nutrition research , Volume: 10 Issue: 3 2021 Jul
Authors Tangestani H,Boroujeni HK,Djafarian K,Emamat H,Shab-Bidar S
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
Nrf2/ARE Activators Improve Memory in Aged Mice via Maintaining of Mitochondrial Quality Control of Brain and the Modulation of Gut Microbiome.
Pharmaceuticals (Basel, Switzerland) , Volume: 14 Issue: 7 2021 Jun 23
Authors Sadovnikova IS,Gureev AP,Ignatyeva DA,Gryaznova MV,Chernyshova EV,Krutskikh EP,Novikova AG,Popov VN
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
Gut Microbial SNPs Induced by High-Fiber Diet Dominate Nutrition Metabolism and Environmental Adaption of *Faecalibacterium prausnitzii* in Obese Children.
Frontiers in microbiology , Volume: 12 2021
Authors Li H,Zhao L,Zhang M
Vitamin D ameliorates high-fat-diet-induced hepatic injury via inhibiting pyroptosis and alters gut microbiota in rats.
Archives of biochemistry and biophysics , Volume: 705 2021 Jul 15
Authors Zhang X,Shang X,Jin S,Ma Z,Wang H,Ao N,Yang J,Du J
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
Potato resistant starch inhibits diet-induced obesity by modifying the composition of intestinal microbiota and their metabolites in obese mice.
International journal of biological macromolecules , Volume: 180 2021 Mar 9
Authors Liang D,Zhang L,Chen H,Zhang H,Hu H,Dai X
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
Selective Utilization of the Human Milk Oligosaccharides 2`-Fucosyllactose, 3-Fucosyllactose, and Difucosyllactose by Various Probiotic and Pathogenic Bacteria.
Journal of agricultural and food chemistry , Volume: 69 Issue: 1 2021 Jan 13
Authors Salli K,Hirvonen J,Siitonen J,Ahonen I,Anglenius H,Maukonen J
The potential role of vitamin D supplementation as a gut microbiota modifier in healthy individuals.
Scientific reports , Volume: 10 Issue: 1 2020 Dec 10
Authors Singh P,Rawat A,Alwakeel M,Sharif E,Al Khodor S
Atorvastatin alleviates microglia-mediated neuroinflammation via modulating the microbial composition and the intestinal barrier function in ischemic stroke mice.
Free radical biology & medicine , Volume: 162 2020 Dec 3
Authors Zhang P,Zhang X,Huang Y,Chen J,Shang W,Shi G,Zhang L,Zhang C,Chen R
Effects of Different Human Milk Oligosaccharides on Growth of *Bifidobacteria* in Monoculture and Co-culture With *Faecalibacterium prausnitzii*.
Frontiers in microbiology , Volume: 11 2020
Authors Cheng L,Kiewiet MBG,Logtenberg MJ,Groeneveld A,Nauta A,Schols HA,Walvoort MTC,Harmsen HJM,de Vos P
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

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

Characterizing the gut microbiota in females with infertility and preliminary results of a water-soluble dietary fiber intervention study.

Journal of clinical biochemistry and nutrition , Volume: 67 Issue: 1 2020 Jul

Authors Komiya S,Naito Y,Okada H,Matsuo Y,Hirota K,Takagi T,Mizushima K,Inoue R,Abe A,Morimoto Y

Nuts and their Effect on Gut Microbiota, Gut Function and Symptoms in Adults: A Systematic Review and Meta-Analysis of Randomised Controlled Trials.

Nutrients , Volume: 12 Issue: 8 2020 Aug 6

Authors Creedon AC,Hung ES,Berry SE,Whelan K

Cocoa Polyphenols and Gut Microbiota Interplay: Bioavailability, Prebiotic Effect, and Impact on Human Health.

Nutrients , Volume: 12 Issue: 7 2020 Jun 27

Authors Sorrenti V,Ali S,Mancin L,Davinelli S,Paoli A,Scapagnini G

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

Prebiotic Effects of Partially Hydrolyzed Guar Gum on the Composition and Function of the Human Microbiota-Results from the PAGODA Trial.

Nutrients , Volume: 12 Issue: 5 2020 Apr 28

Authors Reider SJ,Moosmang S,Tragust J,Trgovec-Greif L,Tragust S,Perschy L,Przysiecki N,Sturm S,Tilg H,Stuppner H,Rattei T,Moschen AR

Cocoa diet modulates gut microbiota composition and improves intestinal health in Zucker diabetic rats.

Food research international (Ottawa, Ont.) , Volume: 132 2020 Jun

Authors Álvarez-Cilleros D,Ramos S,López-Oliva ME,Escrivá F,Álvarez C,Fernández-Millán E,Martín MÁ

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

Conserved and variable responses of the gut microbiome to resistant starch type 2.

Nutrition research (New York, N.Y.) , Volume: 77 2020 Feb 22

Authors Bendiks ZA,Knudsen KEB,Keenan MJ,Marco ML

Anti-inflammatory activity of alkali-soluble polysaccharides from Arctium lappa L. and its effect on gut microbiota of mice with inflammation.

International journal of biological macromolecules , Volume: 154 2020 Jul 1

Authors Zhang X,Zhang N,Kan J,Sun R,Tang S,Wang Z,Chen M,Liu J,Jin C

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

Impact of Vancomycin-Induced Changes in the Intestinal Microbiota on the Pharmacokinetics of Simvastatin.

Clinical and translational science , 2020 Feb 14

Authors Sunwoo J,Ji SC,Kim AH,Yu KS,Cho JY,Jang IJ,Lee S

Effect of Dose and Timing of Burdock (Arctium lappa) Root Intake on Intestinal Microbiota of Mice.

Microorganisms , Volume: 8 Issue: 2 2020 Feb 6

Authors Watanabe A,Sasaki H,Miyakawa H,Nakayama Y,Lyu Y,Shibata S

The effects of high doses of vitamin D on the composition of the gut microbiome of adolescent girls.

Clinical nutrition ESPEN , Volume: 35 2020 Feb

Authors Tabatabaeizadeh SA,Fazeli M,Meshkat Z,Khodashenas E,Esmaeili H,Mazloum S,Ferns GA,Abdizadeh MF,Ghayour-Mobarhan M

Effect of Vitamin D Supplementation on Faecal Microbiota: A Randomised Clinical Trial.

Nutrients , Volume: 11 Issue: 12 2019 Nov 27

Authors Naderpoor N,Mousa A,Fernanda Gomez Arango L,Barrett HL,Dekker Nitert M,de Courten B

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
Effect of Repeated Consumption of Partially Hydrolyzed Guar Gum on Fecal Characteristics and Gut Microbiota: A Randomized, Double-Blind, Placebo-Controlled, and Parallel-Group Clinical Trial.

Nutrients , Volume: 11 Issue: 9 2019 Sep 10
Authors Yasukawa Z,Inoue R,Ozeki M,Okubo T,Takagi T,Honda A,Naito Y
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
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
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
Additional Effect of Dietary Fiber in Patients with Type 2 Diabetes Mellitus Using Metformin and Sulfonylurea: An Open-Label, Pilot Trial.

Diabetes & metabolism journal , 2019 Apr 23
Authors Lee SE,Choi Y,Jun JE,Lee YB,Jin SM,Hur KY,Ko GP,Lee MK
Effects of Different Diets on Microbiota in The Small Intestine Mucus and Weight Regulation in Rats.

Scientific reports , Volume: 9 Issue: 1 2019 Jun 11
Authors Meng Y,Li X,Zhang J,Wang C,Lu F
In vivo and in vitro anti-inflammatory effects of water-soluble polysaccharide from Arctium lappa.

International journal of biological macromolecules , Volume: 135 2019 Aug 15
Authors Zhang N,Wang Y,Kan J,Wu X,Zhang X,Tang S,Sun R,Liu J,Qian C,Jin C
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
Associations between usual diet and gut microbiota composition: results from the Milieu Intérieur cross-sectional study.

The American journal of clinical nutrition , Volume: 109 Issue: 5 2019 May 1
Authors Partula V,Mondot S,Torres MJ,Kesse-Guyot E,Deschasaux M,Assmann K,Latino-Martel P,Buscail C,Julia C,Galan P,Hercberg S,Rouilly V,Thomas S,Quintana-Murci L,Albert ML,Duffy D,Lantz O,Touvier M,Milieu Intérieur Consortium
Structural characterization of water-soluble polysaccharide from Arctium lappa and its effects on colitis mice.

Carbohydrate polymers , Volume: 213 2019 Jun 1
Authors Wang Y,Zhang N,Kan J,Zhang X,Wu X,Sun R,Tang S,Liu J,Qian C,Jin 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
Antimicrobial activity of spices essential oils and its effectiveness on mature biofilms of human pathogens.

Natural product research , 2018 Oct 13
Authors Condò C,Anacarso I,Sabia C,Iseppi R,Anfelli I,Forti L,de Niederhäusern S,Bondi M,Messi P
Metagenomic Insights into the Degradation of Resistant Starch by Human Gut Microbiota.

Applied and environmental microbiology , Volume: 84 Issue: 23 2018 Dec 1
Authors Vital M,Howe A,Bergeron N,Krauss RM,Jansson JK,Tiedje JM
Effects of garlic polysaccharide on alcoholic liver fibrosis and intestinal microflora in mice.

Pharmaceutical biology , Volume: 56 Issue: 1 2018 Dec
Authors Wang Y,Guan M,Zhao X,Li X
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
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,Guetterman HM,Swanson KS,An R,Matthan NR,Lichtenstein AH,Novotny JA,Baer DJ
Role of Lactobacillus reuteri in Human Health and Diseases.
Frontiers in microbiology , Volume: 9 2018
Authors Mu Q,Tavella VJ,Luo XM
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
Wheat-derived arabinoxylan oligosaccharides with bifidogenic properties abolishes metabolic disorders induced by western diet in mice.
Nutrition & diabetes , Volume: 8 Issue: 1 2018 Mar 7
Authors Neyrinck AM,Hiel S,Bouzin C,Campayo VG,Cani PD,Bindels LB,Delzenne NM
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
A Walnut-Enriched Diet Affects Gut Microbiome in Healthy Caucasian Subjects: A Randomized, Controlled Trial.
Nutrients , Volume: 10 Issue: 2 2018 Feb 22
Authors Bamberger C,Rossmeier A,Lechner K,Wu L,Waldmann E,Fischer S,Stark RG,Altenhofer J,Henze K,Parhofer KG
[Assessment of the impact of vitamin and dietary fiber content in the diet on the characteristics of protective colon microbiota populations of rats].
Voprosy pitaniia , Volume: 84 Issue: 6 2015
Authors Markova YM,Sheveleva SA
Effect of atorvastatin on the gut microbiota of high fat diet-induced hypercholesterolemic rats.
Scientific reports , Volume: 8 Issue: 1 2018 Jan 12
Authors Khan TJ,Ahmed YM,Zamzami MA,Mohamed SA,Khan I,Baothman OAS,Mehanna MG,Yasir M
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
Effect of Probiotics on Pharmacokinetics of Orally Administered Acetaminophen in Mice.
Drug metabolism and disposition: the biological fate of chemicals , Volume: 46 Issue: 2 2018 Feb
Authors Kim JK,Choi MS,Jeong JJ,Lim SM,Kim IS,Yoo HH,Kim DH
Systematic review: human gut dysbiosis induced by non-antibiotic prescription medications.
Alimentary pharmacology & therapeutics , Volume: 47 Issue: 3 2018 Feb
Authors Le Bastard Q,Al-Ghalith GA,Grégoire M,Chapelet G,Javaudin F,Dailly E,Batard E,Knights D,Montassier E
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
Gut Microbiome-Induced Shift of Acetate to Butyrate Positively Manages Dysbiosis in High Fat Diet.
Molecular nutrition & food research , Volume: 62 Issue: 3 2018 Feb
Authors Si X,Shang W,Zhou Z,Strappe P,Wang B,Bird A,Blanchard C
Bolus Weekly Vitamin D3 Supplementation Impacts Gut and Airway Microbiota in Adults With Cystic Fibrosis: A Double-Blind, Randomized, Placebo-Controlled Clinical Trial.
The Journal of clinical endocrinology and metabolism , Volume: 103 Issue: 2 2018 Feb 1
Authors Kanhere M,He J,Chassaing B,Ziegler TR,Alvarez JA,Ivie EA,Hao L,Hanfelt J,Gewirtz AT,Tangpricha V
Prebiotics Mediate Microbial Interactions in a Consortium of the Infant Gut Microbiome.
International journal of molecular sciences , Volume: 18 Issue: 10 2017 Oct 4
Authors Medina DA,Pinto F,Ovalle A,Thomson P,Garrido D
Dietary soy, meat, and fish proteins modulate the effects of prebiotic raffinose on composition and fermentation of gut microbiota in rats.
International journal of food sciences and nutrition , Volume: 69 Issue: 4 2018 Jun
Authors Bai G,Tsuruta T,Nishino N
Fructooligosaccharide (FOS) and Galactooligosaccharide (GOS) Increase Bifidobacterium but Reduce Butyrate Producing Bacteria with Adverse Glycemic Metabolism in healthy young population.
Scientific reports , Volume: 7 Issue: 1 2017 Sep 18

Authors Liu F,Li P,Chen M,Luo Y,Prabhakar M,Zheng H,He Y,Qi Q,Long H,Zhang Y,Sheng H,Zhou H
Reduced obesity, diabetes, and steatosis upon cinnamon and grape pomace are associated with changes in gut microbiota and markers of gut barrier.
American journal of physiology. Endocrinology and metabolism , Volume: 314 Issue: 4 2018 Apr 1
Authors Van Hul M,Geurts L,Plovier H,Druart C,Everard A,Ståhlman M,Rhimi M,Chira K,Teissedre PL,Delzenne NM,Maguin E,Guilbot A,Brochot A,Gérard P,Bäckhed F,Cani PD
Beef, Chicken, and Soy Proteins in Diets Induce Different Gut Microbiota and Metabolites in Rats.
Frontiers in microbiology , Volume: 8 2017
Authors Zhu Y,Shi X,Lin X,Ye K,Xu X,Li C,Zhou G
Changes in the gut microbial communities following addition of walnuts to the diet.
The Journal of nutritional biochemistry , Volume: 48 2017 Oct
Authors Byerley LO,Samuelson D,Blanchard E 4th,Luo M,Lorenzen BN,Banks S,Ponder MA,Welsh DA,Taylor CM
Effect of Soy Isoflavones on Growth of Representative Bacterial Species from the Human Gut.
Nutrients , Volume: 9 Issue: 7 2017 Jul 8
Authors Vázquez L,Flórez AB,Guadamuro L,Mayo B
Prebiotic Potential and Chemical Composition of Seven Culinary Spice Extracts.
Journal of food science , Volume: 82 Issue: 8 2017 Aug
Authors Lu QY,Summanen PH,Lee RP,Huang J,Henning SM,Heber D,Finegold SM,Li Z
Monitoring in vitro antibacterial efficacy of 26 Indian spices against multidrug resistant urinary tract infecting bacteria.
Integrative medicine research , Volume: 3 Issue: 3 2014 Sep
Authors Rath S,Padhy RN
Live Probiotic *Lactobacillus johnsonii* BS15 Promotes Growth Performance and Lowers Fat Deposition by Improving Lipid Metabolism, Intestinal Development, and Gut Microflora in Broilers.
Frontiers in microbiology , Volume: 8 2017
Authors Wang H,Ni X,Qing X,Zeng D,Luo M,Liu L,Li G,Pan K,Jing B
Cocoa and Dark Chocolate Polyphenols: From Biology to Clinical Applications
Frontiers in Immunology , Volume: 8 2017 Jun 9
Authors Magrone T,Russo MA,Jirillo E
Dietary pea fibre alters the microbial community and fermentation with increase in fibre degradation-associated bacterial groups in the colon of pigs.
Journal of animal physiology and animal nutrition , Volume: 102 Issue: 1 2018 Feb
Authors Luo Y,Chen H,Yu B,He J,Zheng P,Mao X,Yu J,Luo J,Huang Z,Chen D
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
Antibiotic use in childhood alters the gut microbiota and predisposes to overweight
Microbial Cell , Volume: 3 Issue: 7 2016 Jun 20
Authors Korpela K,de Vos WM
Gut microbiota interactions with the immunomodulatory role of vitamin D in normal individuals.
Metabolism: clinical and experimental , Volume: 69 2017 Apr
Authors Luthold RV,Fernandes GR,Franco-de-Moraes AC,Folchetti LG,Ferreira SR
Bovine milk oligosaccharides decrease gut permeability and improve inflammation and microbial dysbiosis in diet-induced obese mice.
Journal of dairy science , Volume: 100 Issue: 4 2017 Apr
Authors Boudry G,Hamilton MK,Chichlowski M,Wickramasinghe S,Barile D,Kalanetra KM,Mills DA,Raybould HE
Prospective randomized controlled study on the effects of Saccharomyces boulardii CNCM I-745 and amoxicillin-clavulanate or the combination on the gut microbiota of healthy volunteers.
Gut microbes , Volume: 8 Issue: 1 2017 Jan 2
Authors Kabbani TA,Pallav K,Dowd SE,Villafuerte-Galvez J,Vanga RR,Castillo NE,Hansen J,Dennis M,Leffler DA,Kelly CP
Oligofructose as an adjunct in treatment of diabetes in NOD mice.
Scientific reports , Volume: 6 2016 Nov 22
Authors Chan C,Hyslop CM,Shrivastava V,Ochoa A,Reimer RA,Huang C
Lactate- and acetate-based cross-feeding interactions between selected strains of lactobacilli, bifidobacteria and colon bacteria in the presence of inulin-type fructans.
International journal of food microbiology , Volume: 241 2017 Jan 16
Authors Moens F,Verce M,De Vuyst L
Soy and Gut Microbiota: Interaction and Implication for Human Health.

Journal of agricultural and food chemistry , Volume: 64 Issue: 46 2016 Nov 23
Authors Huang H,Krishnan HB,Pham Q,Yu LL,Wang TT
Fucosyllactose and L-fucose utilization of infant Bifidobacterium longum and Bifidobacterium kashiwanohense.

BMC microbiology , Volume: 16 Issue: 1 2016 Oct 26
Authors Bunesova V,Lacroix C,Schwab C
Oral supplementation of healthy adults with 2`-O-fucosyllactose and lacto-N-neotetraose is well tolerated and shifts the intestinal microbiota.

The British journal of nutrition , Volume: 116 Issue: 8 2016 Oct
Authors Elison E,Vigsnaes LK,Rindom Krogsgaard L,Rasmussen J,Sørensen N,McConnell B,Hennet T,Sommer MO,Bytzer P
Short- and long-term effects of oral vancomycin on the human intestinal microbiota.

The Journal of antimicrobial chemotherapy , Volume: 72 Issue: 1 2017 Jan
Authors Isaac S,Scher JU,Djukovic A,Jiménez N,Littman DR,Abramson SB,Pamer EG,Ubeda C
In vitro analysis of partially hydrolyzed guar gum fermentation on identified gut microbiota.

Anaerobe , Volume: 42 2016 Dec
Authors Carlson J,Gould T,Slavin J
Consumption of a high-fat diet alters the seminal fluid and gut microbiomes in male mice.

Reproduction, fertility, and development , Volume: 29 Issue: 8 2017 Aug
Authors Javurek AB,Spollen WG,Johnson SA,Bivens NJ,Bromert KH,Givan SA,Rosenfeld CS
An ATP Binding Cassette Transporter Mediates the Uptake of a-(1,6)-Linked Dietary Oligosaccharides in Bifidobacterium and Correlates with Competitive Growth on These Substrates.

The Journal of biological chemistry , Volume: 291 Issue: 38 2016 Sep 16
Authors Ejby M,Fredslund F,Andersen JM,Vujicic Žagar A,Henriksen JR,Andersen TL,Svensson B,Slotboom DJ,Abou Hachem M
The effect of volatile oil mixtures on the performance and ilio-caecal microflora of broiler chickens.

British poultry science , Volume: 57 Issue: 6 2016 Dec
Authors Cetin E,Yibar A,Yesilbag D,Cetin I,Cengiz SS
Supplementation with fruit and okara soybean by-products and amaranth flour increases the folate production by starter and probiotic cultures.

International journal of food microbiology , Volume: 236 2016 Nov 7
Authors Albuquerque MA,Bedani R,Vieira AD,LeBlanc JG,Saad SM
In vitro extraction and fermentation of polyphenols from grape seeds (Vitis vinifera) by human intestinal microbiota.

Food & function , Volume: 7 Issue: 4 2016 Apr
Authors Zhou L,Wang W,Huang J,Ding Y,Pan Z,Zhao Y,Zhang R,Hu B,Zeng X
Flavanol-Enriched Cocoa Powder Alters the Intestinal Microbiota, Tissue and Fluid Metabolite Profiles, and Intestinal Gene Expression in Pigs.

The Journal of nutrition , Volume: 146 Issue: 4 2016 Apr
Authors Jang S,Sun J,Chen P,Lakshman S,Molokin A,Harnly JM,Vinyard BT,Urban JF Jr,Davis CD,Solano-Aguilar G
Manipulation of the gut microbiota using resistant starch is associated with protection against colitis-associated colorectal cancer in rats.

Carcinogenesis , Volume: 37 Issue: 4 2016 Apr
Authors Hu Y,Le Leu RK,Christophersen CT,Somashekar R,Conlon MA,Meng XQ,Winter JM,Woodman RJ,McKinnon R,Young GP
Effects of Cocoa Husk Feeding on the Composition of Swine Intestinal Microbiota.

Journal of agricultural and food chemistry , Volume: 64 Issue: 10 2016 Mar 16
Authors Magistrelli D,Zanchi R,Malagutti L,Galassi G,Canzi E,Rosi F
The Effects of Inulin on Characteristics of Lactobacillus paracasei TD3 (IBRC-M 10784) as Probiotic Bacteria in vitro.

Archives of Iranian medicine , Volume: 19 Issue: 2 2016 Feb
Authors Mahboubi M,Kazempour N
Intestinal microbiome is related to lifetime antibiotic use in Finnish pre-school children.

Nature communications , Volume: 7 2016 Jan 26
Authors Korpela K,Salonen A,Virta LJ,Kekkonen RA,Forslund K,Bork P,de Vos WM
Dietary Isomers of Sialyllactose Increase Ganglioside Sialic Acid Concentrations in the Corpus Callosum and Cerebellum and Modulate the Colonic Microbiota of Formula-Fed Piglets.

The Journal of nutrition , Volume: 146 Issue: 2 2016 Feb
Authors Jacobi SK,Yatsunenko T,Li D,Dasgupta S,Yu RK,Berg BM,Chichlowski M,Odle J
Dietary vitamin D3 deficiency alters intestinal mucosal defense and increases susceptibility to Citrobacter rodentium-induced colitis.

American journal of physiology. Gastrointestinal and liver physiology , Volume: 309 Issue: 9 2015 Nov 1
Authors Ryz NR,Lochner A,Bhullar K,Ma C,Huang T,Bhinder G,Bosman E,Wu X,Innis SM,Jacobson K,Vallance BA
The effect of dietary resistant starch type 2 on the microbiota and markers of gut inflammation in rural Malawi children.

Microbiome , Volume: 3 2015 Sep 3
Authors Ordiz MI,May TD,Mihindukulasuriya K,Martin J,Crowley J,Tarr PI,Ryan K,Mortimer E,Gopalsamy G,Maleta K,Mitreva M,Young G,Manary MJ
Equol status and changes in fecal microbiota in menopausal women receiving long-term treatment for menopause symptoms with a soy-isoflavone concentrate.
Frontiers in microbiology , Volume: 6 2015
Authors Guadamuro L,Delgado S,Redruello B,Flórez AB,Suárez A,Martínez-Camblor P,Mayo B
Lack of Vitamin D Receptor Causes Dysbiosis and Changes the Functions of the Murine Intestinal Microbiome.
Clinical therapeutics , Volume: 37 Issue: 5 2015 May 1
Authors Jin D,Wu S,Zhang YG,Lu R,Xia Y,Dong H,Sun J
Antimicrobial activity and antibiotic susceptibility of Lactobacillus and Bifidobacterium spp. intended for use as starter and probiotic cultures.
Biotechnology, biotechnological equipment , Volume: 29 Issue: 1 2015 Jan 2
Authors Georgieva R,Yocheva L,Tserovska L,Zhelezova G,Stefanova N,Atanasova A,Danguleva A,Ivanova G,Karapetkov N,Rumyan N,Karaivanova E
Antimicrobial activity and chemical composition of the essential oils of Portuguese Foeniculum vulgare fruits.
Natural product communications , Volume: 10 Issue: 4 2015 Apr
Authors Mota AS,Martins MR,Arantes S,Lopes VR,Bettencourt E,Pombal S,Gomes AC,Silva LA
Different Dynamic Patterns of ß-Lactams, Quinolones, Glycopeptides and Macrolides on Mouse Gut Microbial Diversity.
PloS one , Volume: 10 Issue: 5 2015
Authors Yin J,M P,Wang S,Liao SX,Peng X,He Y,Chen YR,Shen HF,Su J,Chen Y,Jiang YX,Zhang GX,Zhou HW
Collateral damage from oral ciprofloxacin versus nitrofurantoin in outpatients with urinary tract infections: a culture-free analysis of gut microbiota.
Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases , Volume: 21 Issue: 4 2015 Apr
Authors Stewardson AJ,Gaia N,François P,Malhotra-Kumar S,Delémont C,Martinez de Tejada B,Schrenzel J,Harbarth S,Lazarevic V,SATURN WP1 and WP3 Study Groups.
Fecal microbiota composition of breast-fed infants is correlated with human milk oligosaccharides consumed.
Journal of pediatric gastroenterology and nutrition , Volume: 60 Issue: 6 2015 Jun
Authors Wang M,Li M,Wu S,Lebrilla CB,Chapkin RS,Ivanov I,Donovan SM
[Clinical benefits after soluble dietary fiber supplementation: a randomized clinical trial in adults with slow-transit constipation].
Zhonghua yi xue za zhi , Volume: 94 Issue: 48 2014 Dec 30
Authors Xu L,Yu W,Jiang J,Li N
Modulation of the intestinal microbiota is associated with lower plasma cholesterol and weight gain in hamsters fed chardonnay grape seed flour.
Journal of agricultural and food chemistry , Volume: 63 Issue: 5 2015 Feb 11
Authors Kim H,Kim DH,Seo KH,Chon JW,Nah SY,Bartley GE,Arvik T,Lipson R,Yokoyama W
Consumption of partially hydrolysed guar gum stimulates Bifidobacteria and butyrate-producing bacteria in the human large intestine.
Beneficial microbes , Volume: 6 Issue: 4 2015
Authors Ohashi Y,Sumitani K,Tokunaga M,Ishihara N,Okubo T,Fujisawa T
Chemically defined diet alters the protective properties of fructo-oligosaccharides and isomalto-oligosaccharides in HLA-B27 transgenic rats.
PloS one , Volume: 9 Issue: 11 2014
Authors Koleva P,Ketabi A,Valcheva R,Gänzle MG,Dieleman LA
[Effect of n-3 polyunsaturated fatty acids on gut microbiota and endotoxin levels in portal vein of rats fed with high-fat diet].
Zhongguo yi xue ke xue yuan xue bao. Acta Academiae Medicinae Sinicae , Volume: 36 Issue: 5 2014 Oct
Authors Cao ZJ,Yu JC,Kang WM,Ma ZQ,Ye X,Tian SB
Dietary supplementation with soybean oligosaccharides increases short-chain fatty acids but decreases protein-derived catabolites in the intestinal luminal content of weaned Huanjiang mini-piglets.
Nutrition research (New York, N.Y.) , Volume: 34 Issue: 9 2014 Sep
Authors Zhou XL,Kong XF,Lian GQ,Blachier F,Geng MM,Yin YL
Long-term intake of a high prebiotic fiber diet but not high protein reduces metabolic risk after a high fat challenge and uniquely alters gut microbiota and hepatic gene expression.
Nutrition research (New York, N.Y.) , Volume: 34 Issue: 9 2014 Sep
Authors Saha DC,Reimer RA
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
Effects of diet on gut microbiota profile and the implications for health and disease.

Bioscience of microbiota, food and health , Volume: 32 Issue: 1 2013
Authors Lee YK
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
Effects of resveratrol on gut microbiota and fat storage in a mouse model with high-fat-induced obesity.

Food & function , Volume: 5 Issue: 6 2014 Jun
Authors Qiao Y,Sun J,Xia S,Tang X,Shi Y,Le G
Evaluation of bean and soy tempeh influence on intestinal bacteria and estimation of antibacterial properties of bean tempeh.

Polish journal of microbiology , Volume: 62 Issue: 2 2013
Authors Kuligowski M,Jasinska-Kuligowska I,Nowak J
Utilization of major fucosylated and sialylated human milk oligosaccharides by isolated human gut microbes.

Glycobiology , Volume: 23 Issue: 11 2013 Nov
Authors Yu ZT,Chen C,Newburg DS
Dietary grape seed extract ameliorates symptoms of inflammatory bowel disease in IL10-deficient mice.

Molecular nutrition & food research , Volume: 57 Issue: 12 2013 Dec
Authors Wang H,Xue Y,Zhang H,Huang Y,Yang G,Du M,Zhu MJ
Probiotic Lactobacillus reuteri attenuates the stressor-enhanced severity of Citrobacter rodentium infection.

Infection and immunity , Volume: 81 Issue: 9 2013 Sep
Authors Mackos AR,Eubank TD,Parry NM,Bailey MT
The principal fucosylated oligosaccharides of human milk exhibit prebiotic properties on cultured infant microbiota.

Glycobiology , Volume: 23 Issue: 2 2013 Feb
Authors Yu ZT,Chen C,Kling DE,Liu B,McCoy JM,Merighi M,Heidtman M,Newburg DS
Cocoa modulatory effect on rat faecal microbiota and colonic crosstalk.

Archives of biochemistry and biophysics , Volume: 527 Issue: 2 2012 Nov 15
Authors Massot-Cladera M,Pérez-Berezo T,Franch A,Castell M,Pérez-Cano FJ
Effect of garlic powder on the growth of commensal bacteria from the gastrointestinal tract.

Phytomedicine : international journal of phytotherapy and phytopharmacology , Volume: 19 Issue: 8-9 2012 Jun 15
Authors Filocamo A,Nueno-Palop C,Bisignano C,Mandalari G,Narbad A
Inulin and fructo-oligosaccharides have divergent effects on colitis and commensal microbiota in HLA-B27 transgenic rats.

The British journal of nutrition , Volume: 108 Issue: 9 2012 Nov 14
Authors Koleva PT,Valcheva RS,Sun X,Gänzle MG,Dieleman LA
Grape antioxidant dietary fiber stimulates Lactobacillus growth in rat cecum.

Journal of food science , Volume: 77 Issue: 2 2012 Feb
Authors Pozuelo MJ,Agis-Torres A,Hervert-Hernández D,Elvira López-Oliva M,Muñoz-Martínez E,Rotger R,Goñi I
Effects of non-fermented and fermented soybean milk intake on faecal microbiota and faecal metabolites in humans.

International journal of food sciences and nutrition , Volume: 63 Issue: 4 2012 Jun
Authors Inoguchi S,Ohashi Y,Narai-Kanayama A,Aso K,Nakagaki T,Fujisawa T
High-level dietary fibre up-regulates colonic fermentation and relative abundance of saccharolytic bacteria within the human faecal microbiota in vitro.

European journal of nutrition , Volume: 51 Issue: 6 2012 Sep
Authors Shen Q,Zhao L,Tuohy KM
Influence of a probiotic soy product on fecal microbiota and its association with cardiovascular risk factors in an animal model.

Lipids in health and disease , Volume: 10 2011 Jul 29
Authors Cavallini DC,Suzuki JY,Abdalla DS,Vendramini RC,Pauly-Silveira ND,Roselino MN,Pinto RA,Rossi EA
Effects of dietary polyphenol-rich grape products on intestinal microflora and gut morphology in broiler chicks.

Poultry science , Volume: 90 Issue: 3 2011 Mar
Authors Viveros A,Chamorro S,Pizarro M,Arija I,Centeno C,Brenes A
A new macrocyclic antibiotic, fidaxomicin (OPT-80), causes less alteration to the bowel microbiota of Clostridium difficile-infected patients than does vancomycin.

Microbiology (Reading, England) , Volume: 156 Issue: Pt 11 2010 Nov
Authors Tannock GW,Munro K,Taylor C,Lawley B,Young W,Byrne B,Emery J,Louie T
Lactobacillus johnsonii N6.2 mitigates the development of type 1 diabetes in BB-DP rats.

PloS one , Volume: 5 Issue: 5 2010 May 6
Authors Valladares R,Sankar D,Li N,Williams E,Lai KK,Abdelgeliel AS,Gonzalez CF,Wasserfall CH,Larkin J,Schatz D,Atkinson MA,Triplett EW,Neu J,Lorca GL
Consumption of human milk oligosaccharides by gut-related microbes.

Journal of agricultural and food chemistry , Volume: 58 Issue: 9 2010 May 12
Authors Marcobal A,Barboza M,Froehlich JW,Block DE,German JB,Lebrilla CB,Mills DA
Comparisons of subgingival microbial profiles of refractory periodontitis, severe periodontitis, and periodontal health using the human oral microbe identification microarray.

Journal of periodontology , Volume: 80 Issue: 9 2009 Sep
Authors Colombo AP,Boches SK,Cotton SL,Goodson JM,Kent R,Haffajee AD,Socransky SS,Hasturk H,Van Dyke TE,Dewhirst F,Paster BJ
Antibiotic-induced perturbations of the intestinal microbiota alter host susceptibility to enteric infection.

Infection and immunity , Volume: 76 Issue: 10 2008 Oct
Authors Sekirov I,Tam NM,Jogova M,Robertson ML,Li Y,Lupp C,Finlay BB
[Surveillance of antimicrobial resistance among nosocomial gram-negative pathogens from 15 teaching hospitals in China in 2005].

Zhonghua yi xue za zhi , Volume: 87 Issue: 39 2007 Oct 23
Authors Yang QW,Xu YC,Chen MJ,Hu YJ,Ni YX,Sun JY,Yu YS,Kong HS,He L,Wu WY,Ye HF,Yang YM,Zhu LN,Guo SH,Ji P,Zhu ZH,Ren JK,Zhang LX,Sun ZY,Zhu XH,Tong MQ,Zhao WS,Mei YN,Liu Y,Zhang ZJ,Duan Q,Li D,Liu PP,Wang J,Han LX,Wang H,Xie XL
Prebiotic effectiveness of inulin extracted from edible burdock.

Anaerobe , Volume: 14 Issue: 1 2008 Feb
Authors Li D,Kim JM,Jin Z,Zhou J
Antimicrobial activity against gram negative bacilli from Yaounde Central Hospital, Cameroon.

African health sciences , Volume: 6 Issue: 4 2006 Dec
Authors Gangoue-Pieboji J,Koulla-Shiro S,Ngassam P,Adiogo D,Ndumbe P
Antimicrobial and antiplasmid activities of essential oils.

Fitoterapia , Volume: 77 Issue: 4 2006 Jun
Authors Schelz Z,Molnar J,Hohmann J
Improvement of the human intestinal flora by ingestion of the probiotic strain Lactobacillus johnsonii La1.

The British journal of nutrition , Volume: 95 Issue: 2 2006 Feb
Authors Yamano T,Iino H,Takada M,Blum S,Rochat F,Fukushima Y
Intestinal microbiota of patients with bacterial infection of the respiratory tract treated with amoxicillin.

The Brazilian journal of infectious diseases : an official publication of the Brazilian Society of Infectious Diseases , Volume: 9 Issue: 4 2005 Aug
Authors Monreal MT,Pereira PC,de Magalhães Lopes CA
Increase of faecal bifidobacteria due to dietary oligosaccharides induces a reduction of clinically relevant pathogen germs in the faeces of formula-fed preterm infants.

Acta paediatrica (Oslo, Norway : 1992). Supplement , Volume: 94 Issue: 449 2005 Oct
Authors Knol J,Boehm G,Lidestri M,Negretti F,Jelinek J,Agosti M,Stahl B,Marini A,Mosca F
Molecular and microbiological analysis of caecal microbiota in rats fed with diets supplemented either with prebiotics or probiotics.

International journal of food microbiology , Volume: 98 Issue: 3 2005 Feb 15
Authors Montesi A,García-Albiach R,Pozuelo MJ,Pintado C,Goñi I,Rotger R
Antibiotic susceptibility profiles of new probiotic Lactobacillus and Bifidobacterium strains.

International journal of food microbiology , Volume: 98 Issue: 2 2005 Feb 1
Authors Zhou JS,Pillidge CJ,Gopal PK,Gill HS
Contribution of acetate to butyrate formation by human faecal bacteria.

The British journal of nutrition , Volume: 91 Issue: 6 2004 Jun
Authors Duncan SH,Holtrop G,Lobley GE,Calder AG,Stewart CS,Flint HJ
Argentinean collaborative multicenter study on the in vitro comparative activity of piperacillin-tazobactam against selected bacterial isolates recovered from hospitalized patients.

Diagnostic microbiology and infectious disease , Volume: 47 Issue: 3 2003 Nov
Authors Casellas JM,Tomé G,Bantar C,Bertolini P,Blázquez N,Borda N,Couto E,Cudmani N,Guerrera J,Juárez MJ,López T,Littvik A,Méndez E,Notario R,Ponce G,Quinteros M,Salamone F,Sparo M,Sutich E,Vaylet S,Wolff L
Improvement of the probiotic effect of micro-organisms by their combination with maltodextrins, fructo-oligosaccharides and

polyunsaturated fatty acids.
The British journal of nutrition , Volume: 88 Suppl 1 2002 Sep
Authors Bomba A,Nemcová R,Gancarcíková S,Herich R,Guba P,Mudronová D
Oligofructose and long-chain inulin: influence on the gut microbial ecology of rats associated with a human faecal flora.
The British journal of nutrition , Volume: 86 Issue: 2 2001 Aug
Authors Kleessen B,Hartmann L,Blaut M
Fermentation of plant cell wall derived polysaccharides and their corresponding oligosaccharides by intestinal bacteria.
Journal of agricultural and food chemistry , Volume: 48 Issue: 5 2000 May
Authors Van Laere KM,Hartemink R,Bosveld M,Schols HA,Voragen AG
Antibiotic susceptibility of potentially probiotic Lactobacillus species.
Journal of food protection , Volume: 61 Issue: 12 1998 Dec
Authors Charteris WP,Kelly PM,Morelli L,Collins JK
Microbiological examinations and in-vitro testing of different antibiotics in therapeutic endoscopy of the biliary system.
Endoscopy , Volume: 30 Issue: 8 1998 Oct
Authors Lorenz R,Herrmann M,Kassem AM,Lehn N,Neuhaus H,Classen M
Continuous culture selection of bifidobacteria and lactobacilli from human faecal samples using fructooligosaccharide as selective substrate.
Journal of applied microbiology , Volume: 85 Issue: 4 1998 Oct
Authors Sghir A,Chow JM,Mackie RI
[Susceptibilities of bacteria isolated from patients with lower respiratory infectious diseases to antibiotics (1996)].
The Japanese journal of antibiotics , Volume: 51 Issue: 7 1998 Jul
Authors Ikemoto H,Watanabe K,Mori T,Igari J,Oguri T,Shimizu Y,Terai T,Inoue H,Nakadate T,Ito C,Yoshida T,Ohno I,Tanno Y,Arakawa M,Igarashi K,Okada M,Ozaki K,Aoki N,Kitamura N,Sekine O,Suzuki Y,Nakata K,Nakatani T,Inagawa H,Kusano N
Antibiotic susceptibility of potentially probiotic Bifidobacterium isolates from the human gastrointestinal tract.
Letters in applied microbiology , Volume: 26 Issue: 5 1998 May
Authors Charteris WP,Kelly PM,Morelli L,Collins JK
In vitro evaluation of activities of nitazoxanide and tizoxanide against anaerobes and aerobic organisms.
Antimicrobial agents and chemotherapy , Volume: 40 Issue: 10 1996 Oct
Authors Dubreuil L,Houcke I,Mouton Y,Rossignol JF
Metronidazole: in vitro activity, pharmacology and efficacy in anaerobic bacterial infections.
Pharmacotherapy , Volume: 1 Issue: 1 1981 Jul-Aug
Authors Tally FP,Sullivan CE
Antibacterial sensitivity of Bifidobacterium (Lactobacillus bifidus).
Journal of bacteriology , Volume: 93 Issue: 1 1967 Jan
Authors Miller LG,Finegold SM
Curated database of commensal, symbiotic and pathogenic microbiota
Generative Bioinformatics , Volume: Issue: 2014 Jun
Authors D'Adamo Peter

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Abdominal Aortic Aneurysm
Acne
ADHD
Age-Related Macular Degeneration and Glaucoma
Allergic Rhinitis (Hay Fever)
Allergies
Allergy to milk products
Alopecia (Hair Loss)
Alzheimer's disease
Amyotrophic lateral sclerosis (ALS) Motor Neuron
Ankylosing spondylitis
Anorexia Nervosa
Antiphospholipid syndrome (APS)
Asthma

Atherosclerosis
Atrial fibrillation
Autism
Autoimmune Disease
Barrett esophagus cancer
benign prostatic hyperplasia
Bipolar Disorder
Brain Trauma
Breast Cancer
Cancer (General)
Carcinoma
cdkl5 deficiency disorder
Celiac Disease
Cerebral Palsy
Chronic Fatigue Syndrome
Chronic Kidney Disease
Chronic Lyme
Chronic Obstructive Pulmonary Disease (COPD)
Chronic Urticaria (Hives)
Coagulation / Micro clot triggering bacteria
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
giant cell arteritis
Glioblastoma
Gout
Graves' disease
Halitosis
Hashimoto's thyroiditis
Heart Failure
Hemorrhoidal disease, Hemorrhoids, Piles
Hidradenitis Suppurativa
Histamine Issues
hypercholesterolemia (High Cholesterol)
hyperglycemia
Hyperlipidemia (High Blood Fats)
hypersomnia
hypertension (High Blood Pressure
Hypothyroidism
Hypoxia
IgA nephropathy (IgAN)
Inflammatory Bowel Disease

Insomnia
Intelligence
Intracranial aneurysms
Irritable Bowel Syndrome
Juvenile idiopathic arthritis
Liver Cirrhosis
Long COVID
Low bone mineral density
Lung Cancer
Mast Cell Issues / mastitis
ME/CFS with IBS
ME/CFS without IBS
membranous nephropathy
Menopause
Metabolic Syndrome
Mood Disorders
multiple chemical sensitivity [MCS]
Multiple Sclerosis
Multiple system atrophy (MSA)
myasthenia gravis
neuropathic pain
Neuropathy (all types)
neuropsychiatric disorders (PANDAS, PANS)
Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic
NonCeliac Gluten Sensitivity
Obesity
obsessive-compulsive disorder
Osteoarthritis
Osteoporosis
pancreatic cancer
Parkinson's Disease
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