

Microbiome Information for: pancreatic cancer

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 pancreatic cancer

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
----------------------	-------------	--------------	--------------------

Oscillospiraceae	family	High	216572
------------------	--------	------	--------

Odoribacter	genus	High	283168
-------------	-------	------	--------

Bacteria Name	Rank	Shift	Taxonomy ID
----------------------	-------------	--------------	--------------------

Ruminiclostridium	genus	High	1508657
-------------------	-------	------	---------

Senegalimassilia	genus	Low	1473205
------------------	-------	-----	---------

Streptococcus	genus	High	1301
---------------	-------	------	------

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.

alcoholic beverages	
amaranth	
apple	
arabinogalactan (prebiotic)	21 gram/day
aspartame (sweetner)	
AZITHROMYCIN, (ANTIBIOTIC)S[CFS]	
bacillus subtilis (probiotics)	10 BCFU/day
berberine	1.5 gram/day
Bofutsushosan	
brown rice	
chestnut tannins	
chondrus crispus, red sea weed	
fat	
fruit	
Fruits (Cooked)	
Goji (berry, juice)	
gynostemma pentaphyllum (Jiaogulan)	
ku ding cha tea	
lactobacillus gasseri (probiotics)	10 BCFU/day
lactobacillus rhamnosus	
gg.lactobacillus,rhamnosus,propionibacterium	
freudenreichii,bifidobacterium breve (probiotics)	
lactulose	
Moringa Oleifera	
oligosaccharides (prebiotic)	
Olive Oil	
proton-pump inhibitors (prescription)	60 mg/day
quebracho	
quercetin, resveratrol	
raffinose (sugar beet)	
resistant starch	
saccharomyces boulardii (probiotics)	6 BCFU/day
sarcoditheca gaudichaudii (red sea weed)	
tea	
Tributylin	
Ursolic acid	
vitamin a	25000 IU/day
Vitamin C (ascorbic acid)	30 g/day
vsl#3 (probiotics)	
walnuts	75 gram/day
zinc	300 mg/day

Retail Probiotics

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

Realdose
 probiotic pur (de) / realdose nutrition
 nature's instincts / ultra spore probiotic
 microbiome labs / restorflora
 Smidge / Sensitive Probiotic
 INVIVO THERAPEUTICS / Bio.Me IB +
 Bromatech (IT) / Enterelle
 organic 3 / primal soil
 SuperSmart / Bacillus Subtilis
 powerlabs (au) / ultra blend
 aor / probiotic-3
 vitamin angels / just thrive
 florastor / florastor
 BIO-BOTANICAL RESEARCH / Megacidin
 reserveage nutrition / beautiflora
 amy meyers / primal earth probiotic
 Jetson / Gut Prep
 philips / colon health
 imaglin / NutriLots Replenish
 Jetson / FIT
 Prescript-Assist®/SBO Probiotic
 optibac / saccharomyces boulardii
 wakamoto (jp) / wakamoto pharmaceutical intestinal drug
 organic 3 / gutpro
 enviromedica terrافلora sbo probiotic
 spain (es) / ultralevura
 organic 3 / yeastbiotic
 corebiotic
 mwsb / candida yeast support
 microbiome labs/ megasporebiotic
 CustomProbiotics.com / L. Gasseri Probiotic Powder
 claire labs / biospora
 Bromatech / ENTERELLE PLUS
 Energybalance / ColoBiotica 28 Colon Support
 SuperSmart / Saccharomyces Boulardii
 microbiome labs / hu58
 blackmore (au) / probiotics+ bowel support
 Schwabe Pharma Italia / AxiBoulardi
 perfect pass / perfect pass probiotic bacillus spore
 NaturalPharma / Profit Probiotics
 SuperSmart / Lactobacillus Gasseri
 global health trax / threelac
 spain (es) / axiboulardi
 Law of Nature / Best Days Formula
 bio-botanical research / proflora4r restorative 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.

amoxicillin (antibiotic)s[CFS]	lactobacillus paracasei (probiotics)
ampicillin (antibiotic)s[CFS]	lactobacillus rhamnosus (probiotics)
atorvastatin (prescription)	loperamide hydrochloride,(prescription)
azathioprine,(prescription)	meropenem (antibiotic)s
benzylpenicillin sodium (antibiotic)	minocycline (antibiotic)s[CFS]
cinnamon (oil. spice)	piperacillin-tazobactam (antibiotic)s
ciprofloxacin (antibiotic)s[CFS]	prednisone,(prescription)
floxacin (antibiotic)	streptomycin (antibiotic)s
gentamicin (antibiotic)s	thonzonium bromide,(pharmacological additive)
Hesperidin (polyphenol)	tobramycin (antibiotic)s
Human milk oligosaccharides (prebiotic, Holigos, Stachyose)	vancomycin (antibiotic)[CFS]
hyoscyamine (l),(prescription)	vitamin B7, biotin
imipenem (antibiotic)s	vitamin d

Sample of Literature Used

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

Causal effect between gut microbiota and pancreatic cancer: a two-sample Mendelian randomization study.

BMC cancer , Volume: 23 Issue: 1 2023 Nov 10

Authors Jiang Z,Mou Y,Wang H,Li L,Jin T,Wang H,Liu M,Jin W

Grape seed proanthocyanidin improves intestinal inflammation in canine through regulating gut microbiota and bile acid compositions.

FASEB journal : official publication of the Federation of American Societies for Experimental Biology , Volume: 37 Issue: 12 2023 Dec

Authors Zhang M,Mo R,Wang H,Liu T,Zhang G,Wu Y

Early supplementation with zinc proteinate does not change rectal microbiota but increases growth performance by improving antioxidant capacity and plasma zinc concentration in preweaned dairy calves.

Frontiers in veterinary science , Volume: 10 2023

Authors Liu J,Yu X,Ma F,Wo Y,Jin Y,Hashem NM,Sun P

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

Nutrients , Volume: 15 Issue: 7 2023 Apr 4

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

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

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

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

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

Frontiers in nutrition , Volume: 9 2022

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

Bacillus subtilis Attenuates Hepatic and Intestinal Injuries and Modulates Gut Microbiota and Gene Expression Profiles in Mice Infected with Schistosoma japonicum.

Frontiers in cell and developmental biology , Volume: 9 2021

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

Gut microbiome and metabolome in a non-human primate model of chronic excessive alcohol drinking.

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

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

Effects of dietary tributyrin and physterol ester supplementation on growth performance, intestinal morphology, microbiota and metabolites in weaned piglets.

Journal of applied microbiology , 2021 Oct 27

Authors Chen G,Zhuo R,Ding H,Yang K,Xue J,Zhang S,Chen L,Yin Y,Fang R

The Association between Vitamin D and Gut Microbiota: A Systematic Review of Human Studies.

Nutrients , Volume: 13 Issue: 10 2021 Sep 26

Authors Bellerba F,Muzio V,Gnagnarella P,Facciotti F,Chiocca S,Bossi P,Cortinovis D,Chiaradonna F,Serrano D,Raimondi S,Zerbato B,Palorini R,Canova S,Gaeta A,Gandini S

Potential use of ground brown rice for weanling pigs.

Journal of animal science , 2021 Sep 24

Authors Lee JJ, Kim S, Cho JH, Kyoung H, Lee S, Choe J, Liu Y, Ji P, Xiong X, Kim Y, Kim HB, Song M

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

Low-Dose Lactulose as a Prebiotic for Improved Gut Health and Enhanced Mineral Absorption.

Frontiers in nutrition , Volume: 8 2021

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

Oleuropein Ameliorates Advanced Stage of Type 2 Diabetes in db/db Mice by Regulating Gut Microbiota.

Nutrients , Volume: 13 Issue: 7 2021 Jun 22

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

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

[Effects of Iron and Zinc Biofortified Foods on Gut Microbiota In Vivo \(Gallus gallus\): A Systematic Review.](#)

Nutrients , Volume: 13 Issue: 1 2021 Jan 9

Authors Juste Contin Gomes M,Stampini Duarte Martino H,Tako E

[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

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

Nutrients , Volume: 12 Issue: 8 2020 Aug 12

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

[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

[Increase of Akkermansia muciniphila by a Diet Containing Japanese Traditional Medicine Bofutsushosan in a Mouse Model of Non-Alcoholic Fatty Liver Disease.](#)

Nutrients , Volume: 12 Issue: 3 2020 Mar 20

Authors Nishiyama M,Ohtake N,Kaneko A,Tsuchiya N,Imamura S,Iizuka S,Ishizawa S,Nishi A,Yamamoto M,Taketomi A,Kono T

[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

[Dietary resistant starch modifies the composition and function of caecal microbiota of broilers.](#)

Journal of the science of food and agriculture , Volume: 100 Issue: 3 2020 Feb

Authors Zhang Y,Liu Y,Li J,Xing T,Jiang Y,Zhang L,Gao F

[Lactulose drives a reversible reduction and qualitative modulation of the faecal microbiota diversity in healthy dogs.](#)

Scientific reports , Volume: 9 Issue: 1 2019 Sep 16

Authors Ferreira MDF,Salavati Schmitz S,Schoenebeck JJ,Clements DN,Campbell SM,Gaylor DE,Mellanby RJ,Gow AG,Salavati M

[A comprehensive assessment of demographic, environmental, and host genetic associations with gut microbiome diversity in healthy individuals.](#)

Microbiome , Volume: 7 Issue: 1 2019 Sep 13

Authors Scepanovic P,Hodel F,Mondot S,Partula V,Byrd A,Hammer C,Alanio C,Bergstedt J,Patin E,Touvier M,Lantz O,Albert ML,Duffy D,Quintana-Murci L,Fellay J,Milieu Intérieur Consortium.

[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

[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

[Simultaneous Supplementation of <i>Bacillus subtilis</i> 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

[In vitro fermentation of raffinose by the human gut bacteria.](#)

Food & function , Volume: 9 Issue: 11 2018 Nov 14

Authors Mao B,Tang H,Gu J,Li D,Cui S,Zhao J,Zhang H,Chen W

[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

[Goji Berry Modulates Gut Microbiota and Alleviates Colitis in IL-10-Deficient Mice.](#)

Molecular nutrition & food research , Volume: 62 Issue: 22 2018 Nov

Authors Kang Y,Yang G,Zhang S,Ross CF,Zhu MJ

[Composition and metabolism of fecal microbiota from normal and overweight children are differentially affected by melibiose, raffinose and raffinose-derived fructans.](#)

Anaerobe , Volume: 52 2018 Aug

Authors Adamberg K,Adamberg S,Ernits K,Larionova A,Voor T,Jaagura M,Visnapuu T,Alamäe T

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

Fermentation of non-digestible raffinose family oligosaccharides and galactomannans by probiotics.**Food & function** , Volume: 9 Issue: 3 2018 Mar 1

Authors Zartl B, Silberbauer K, Loeppert R, Viernstein H, Praznik W, Mueller M

Impact of Chestnut and Quebracho Tannins on Rumen Microbiota of Bovines.**BioMed research international** , Volume: 2017 2017

Authors Díaz Carrasco JM, Cabral C, Redondo LM, Pin Viso ND, Colombatto D, Farber MD, Fernández Miyakawa ME

Investigation of probiotics in multiple sclerosis.**Multiple sclerosis (Houndmills, Basingstoke, England)** , Volume: 24 Issue: 1 2018 Jan

Authors Tankou SK, Regev K, Healy BC, Cox LM, Tjon E, Kivisakk P, Vanande IP, Cook S, Gandhi R, Glanz B, Stankiewicz J, Weiner HL

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

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

Dietary ZnO nanoparticles alters intestinal microbiota and inflammation response in weaned piglets.**Oncotarget** , Volume: 8 Issue: 39 2017 Sep 12

Authors Xia T, Lai W, Han M, Han M, Ma X, Zhang L

Assessment of plaque regrowth with a probiotic toothpaste containing *Lactobacillus paracasei*: A spectrophotometric study.**Journal of the Indian Society of Pedodontics and Preventive Dentistry** , Volume: 35 Issue: 4 2017 Oct-Dec

Authors Srinivasan S, Nandlal B, Rao MVS

Effect of Probiotic Lactobacilli on the Growth of Streptococcus Mutans and Multispecies Biofilms Isolated from Children with Active Caries.**Medical science monitor : international medical journal of experimental and clinical research** , Volume: 23 2017 Aug 30

Authors Lin X, Chen X, Tu Y, Wang S, Chen H

The impact of fruit and soybean by-products and amaranth on the growth of probiotic and starter microorganisms.**Food research international (Ottawa, Ont.)** , Volume: 97 2017 Jul

Authors Vieira ADS, Bedani R, Albuquerque MAC, Biscola V, Saad SMI

Human Milk Oligosaccharides Exhibit Antimicrobial and Antibiofilm Properties against Group B Streptococcus.**ACS infectious diseases** , Volume: 3 Issue: 8 2017 Aug 11

Authors Ackerman DL, Doster RS, Weitkamp JH, Aronoff DM, Gaddy JA, Townsend SD

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

Effect of *Lactobacillus rhamnosus* HN001 and *Bifidobacterium longum* BB536 on the healthy gut microbiota composition at phyla and species level: A preliminary study.**World journal of gastroenterology** , Volume: 23 Issue: 15 2017 Apr 21

Authors Toscano M, De Grandi R, Stronati L, De Vecchi E, Drago L

Influence of chronic azithromycin treatment on the composition of the oropharyngeal microbial community in patients with severe asthma.**BMC microbiology** , Volume: 17 Issue: 1 2017 May 10

Authors Lopes Dos Santos Santiago G, Brusselle G, Dauwe K, Deschaght P, Verhofstede C, Vanechoutte D, Deschepper E, Jordens P, Joos G, Vanechoutte M

Effects of different oligosaccharides at various dosages on the composition of gut microbiota and short-chain fatty acids in mice with constipation.**Food & function** , Volume: 8 Issue: 5 2017 May 24

Authors Wang L, Hu L, Yan S, Jiang T, Fang S, Wang G, Zhao J, Zhang H, Chen W

Berberine protects against diet-induced obesity through regulating metabolic endotoxemia and gut hormone levels.**Molecular medicine reports** , Volume: 15 Issue: 5 2017 May

Authors Xu JH, Liu XZ, Pan W, Zou DJ

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*
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
Addition of arabinoxylan and mixed linkage glucans in porcine diets affects the large intestinal bacterial populations.
European journal of nutrition , Volume: 56 Issue: 6 2017 Sep
Authors Gorham JB, Kang S, Williams BA, Grant LJ, McSweeney CS, Gidley MJ, Mikkelsen D
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
Antibacterial activity and mechanism of berberine against *Streptococcus agalactiae*.
International journal of clinical and experimental pathology , Volume: 8 Issue: 5 2015
Authors Peng L, Kang S, Yin Z, Jia R, Song X, Li L, Li Z, Zou Y, Liang X, Li L, He C, Ye G, Yin L, Shi F, Lv C, Jing B
Ascorbic acid-dependent gene expression in *Streptococcus pneumoniae* and the activator function of the transcriptional regulator UlaR2.
Frontiers in microbiology , Volume: 6 2015
Authors Afzal M, Shafeeq S, Kuipers OP
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
Effect of *Lactobacillus rhamnosus* hsyfm 1301 on the Gut Microbiota and Lipid Metabolism in Rats Fed a High-Fat Diet.
Journal of microbiology and biotechnology , Volume: 25 Issue: 5 2015 May
Authors Chen D, Yang Z, Chen X, Huang Y, Yin B, Guo F, Zhao H, Huang J, Wu Y, Gu R
Feed supplementation with red seaweeds, *Chondrus crispus* and *Sarcodiotheca gaudichaudii*, affects performance, egg quality, and gut microbiota of layer hens.
Poultry science , Volume: 93 Issue: 12 2014 Dec
Authors Kulshreshtha G, Rathgeber B, Stratton G, Thomas N, Evans F, Critchley A, Hafting J, Prithiviraj B
Low-dose aspartame consumption differentially affects gut microbiota-host metabolic interactions in the diet-induced obese rat.
PloS one , Volume: 9 Issue: 10 2014
Authors Palmnäs MS, Cowan TE, Bomhof MR, Su J, Reimer RA, Vogel HJ, Hittel DS, Shearer J
Active dry *Saccharomyces cerevisiae* can alleviate the effect of subacute ruminal acidosis in lactating dairy cows.
Journal of dairy science , Volume: 97 Issue: 12 2014 Dec
Authors AlZahal O, Dionissopoulos L, Laarman AH, Walker N, McBride BW
Vitamin D deficiency in community-acquired pneumonia: low levels of 1,25(OH)₂D are associated with disease severity.
Respiratory research , Volume: 15 2014 Apr 27
Authors Pletz MW, Terkamp C, Schumacher U, Rohde G, Schütte H, Welte T, Bals R, CAPNETZ-Study Group.
In vitro activity of tigecycline and comparators against Gram-positive and Gram-negative isolates collected from the Middle East and Africa between 2004 and 2011.
International journal of antimicrobial agents , Volume: 43 Issue: 2 2014 Feb
Authors Kanj SS, Whitelaw A, Dowzicky MJ
The impact of high dietary zinc oxide on the development of the intestinal microbiota in weaned piglets.
FEMS microbiology ecology , Volume: 87 Issue: 2 2014 Feb
Authors Starke IC, Pieper R, Neumann K, Zentek J, Vahjen W
Effect of prebiotic carbohydrates on growth, bile survival and cholesterol uptake abilities of dairy-related bacteria.
Journal of the science of food and agriculture , Volume: 94 Issue: 6 2014 Apr
Authors Ziar H, Gérard P, Riazi A
Antibacterial activity of probiotic candidates for oral health.
Anaerobe , Volume: 19 2013 Feb
Authors Samot J, Badet C
Increased dietary zinc oxide changes the bacterial core and enterobacterial composition in the ileum of piglets.
Journal of animal science , Volume: 89 Issue: 8 2011 Aug
Authors Vahjen W, Pieper R, Zentek J
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, Krogjus-Kurikka L, Nikkilä J, Malinen E, Kajander K, Kurikka K, Korpela R, Palva A
Dominant and diet-responsive groups of bacteria within the human colonic microbiota.
The ISME journal , Volume: 5 Issue: 2 2011 Feb

Authors Walker AW,Ince J,Duncan SH,Webster LM,Holtrop G,Ze X,Brown D,Stares MD,Scott P,Bergerat A,Louis P,McIntosh F,Johnstone AM,Lobley GE,Parkhill J,Flint HJ

[Effect of apple intake on fecal microbiota and metabolites in humans.](#)

Anaerobe , Volume: 16 Issue: 5 2010 Oct

Authors Shinohara K,Ohashi Y,Kawasumi K,Terada A,Fujisawa T

[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

[Emerging resistance among bacterial pathogens in the intensive care unit—a European and North American Surveillance study \(2000-2002\).](#)

Annals of clinical microbiology and antimicrobials , Volume: 3 2004 Jul 29

Authors Jones ME,Draghi DC,Thornsberry C,Karlowsky JA,Sahm DF,Wenzel RP

[Antimicrobial susceptibility of the pathogens of bacteraemia in the UK and Ireland 2001-2002: the BSAC Bacteraemia Resistance Surveillance Programme.](#)

The Journal of antimicrobial chemotherapy , Volume: 53 Issue: 6 2004 Jun

Authors Reynolds R,Potz N,Colman M,Williams A,Livermore D,MacGowan A,BSAC Extended Working Party on Bacteraemia Resistance Surveillance.

[Antimicrobial resistance in Cairo, Egypt 1999-2000: a survey of five hospitals.](#)

The Journal of antimicrobial chemotherapy , Volume: 51 Issue: 3 2003 Mar

Authors El Kholy A,Baseem H,Hall GS,Procop GW,Longworth DL

[Potency and antimicrobial spectrum update for piperacillin/tazobactam \(2000\): emphasis on its activity against resistant organism populations and generally untested species causing community-acquired respiratory tract infections.](#)

Diagnostic microbiology and infectious disease , Volume: 43 Issue: 1 2002 May

Authors Johnson DM,Biedenbach DJ,Jones RN

[Evaluation of the in vitro activity of 9 antimicrobials against bacterial strains isolated from patients in intensive care units in brazil: MYSTIC Antimicrobial Surveillance Program.](#)

The Brazilian journal of infectious diseases : an official publication of the Brazilian Society of Infectious Diseases , Volume: 4 Issue: 5 2000 Oct

Authors Mendes C,Hsiung A,Kiffer C,Oplustil C,Sinto S,Mimica I,Zoccoli C,Mystic Study Group.

[\[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

[The fermentation of lactulose by colonic bacteria.](#)

Journal of general microbiology , Volume: 128 Issue: 2 1982 Feb

Authors Sahota SS,Bramley PM,Menzies IS

[Comparative activities of the oxa-beta-lactam LY127935, cefotaxime, cefoperazone, cefamandole, and ticarcillin against multiply resistant gram-negative bacilli.](#)

Antimicrobial agents and chemotherapy , Volume: 17 Issue: 2 1980 Feb

Authors Hall WH,Opfer BJ,Gerding DN

[Bacterial endocarditis on a prosthetic valve. Oral treatment with amoxicillin.](#)

Chest , Volume: 74 Issue: 2 1978 Aug

Authors Lidji M,Rubinstein E,Samra H

[Effects of probiotic administration upon the composition and enzymatic activity of human fecal microbiota in patients with irritable bowel syndrome or functional diarrhea](#)

Research in Microbiology , Volume: 152 Issue: 8 2001 Oct

Authors Patrizia Brigida,Beatrice Vitalia,Erwin Swennena,Gabriele Bazzocchib,Diego Matteuzia

[Infectious Disease and Antimicrobial Agents](#)

antimicrobe: Infectious Disease and Antimicrobial Agents , Volume:

Authors E-Sun Technologies

[Curated database of commensal, symbiotic and pathogenic microbiota](#)

Generative Bioinformatics , Volume: Issue: 2014 Jun

Authors D'Adamo Peter

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