

Microbiome Information for: liver fibrosis

For prescribing Medical professionals Review

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

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

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

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

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

In the USA

Ombre (<https://www.ombrelab.com/>)

Thome (<https://www.thome.com/products/dp/gut-health-test>)

Worldwide: BiomeSight (<https://biomesight.com>) - Discount Code 'MICRO'

Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

892 Lake Samish Rd, Bellingham WA 98229

Email: Research@MicrobiomePrescription.com

[Our Facebook Discussion Page](#)

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of liver fibrosis

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			
Parasutterella	genus	High	577310	Candida albicans	species	High	5476

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.

2,3-dihydroxypropyl dodecanoate {Monolaurin}

2-Amino-5-(carbamoylamino)pentanoic acid {Citrulline}

4-Guanidino-n-butyl syringate {Levan}

Abstinence from eating {Fasting}

Amylum {Starch}

arabinogalactan {arabinogalactan} 21 gram/day

bifidobacterium adolescentis {B. adolescentis} 12 BCFU/day

bifidobacterium pseudocatenulatum li09,bifidobacterium catenulatum li10

bismuth subsalicylate {Pepto-Bismol}

CLARITHROMYCIN [CFS]

Clostridium butyricum MIYAIRI 588 {Miyarisan} 1 gram/day

D-glucose {Glucose}

Ethyl alcohol {Grain alcohol}

Faecalibacterium prausnitzii {Faecalibacterium prausnitzii}

Ferrum {Iron Supplements} 400 mg/day

Fraxinus angustifolia {Narrow-leaved ash}

fruit

Galacto-oligosaccharides {GOS}

high-fat diets

Hordeum vulgare {Barley} 60 gram/day

kefir

Lycopene {Glucosamine (GS)} 50 mg/day

Musa acuminata {Banana}

Myrciaria dubia {Camu camu}

N-(phosphonomethyl)glycine {glyphosate}

Phyllanthus emblica {Chinese gall}

Polydextrose {polydextrose}

red wine 250 ml/day

resistant starch

Saccharomyces cerevisiae var boulardii {S. boulardii} 6 BCFU/day

Slow digestible carbohydrates. {Low Glycemic}

Sodium Chloride {Salt}

Solanum tuberosum {Potatoes}

theabrownin {theabrownin}

tomato powder

wheat

Zea mays {maize}

Retail Probiotics

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

aor / probiotic-3
nature's instincts / ultra spore probiotic
florastor / florastor
spain (es) / axiboulardi
spain (es) / ultralevura
optibac / saccharomyces boulardii
microbiome labs / restorflora
organic 3 / yeastbiotic
miyarian (jp) / miyarian
Pendulum / Pendulum Glucose Control
Sun Wave Pharma/Bio Sun Instant
Genesis Bifidobacterium Complex BB Probiotic
imagilin / NutriLots Replenish
SuperSmart / Saccharomyces Boulardii
PharmExtracta (IT) / Butirisan
Eden's / 3-in-1 Synbiotic Superblend
Schwabe Pharma Italia / AxiBoulardi
Botica Alternativa / Bifidobacterium Adolescentis
Maple Life Science™ / Streptococcus faecalis butyricum mesentericus sporogenes
Bulk Probiotics / Saccharomyces boulardii Probiotic Powder (Digestive Support)
Bulk Probiotics / B. Adolescentis Probiotic Powder (GABA Support)
Pendulum / Metabolic Daily
Codeage, GLP-1 Probiotic+
Pendulum GLP-1 Probiotic
natviehealthcare.com/Renewbiome Butyricum

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.

5,6-dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-a]quinolizinium {Berberine}
 allium sativum {garlic}
 Azadirachta indica {Neem}
 Cymbopogon citratus {Lemongrass}
 D-(-)-Fructose {Fruit sugar}
 Escherichia coli Nissle 1917 {Mutaflor}
 fluconazole,(prescription)
 Lactocaseibacillus casei {L. casei}
 Lactocaseibacillus rhamnosus {l. rhamnosus}
 lactobacillus acidophilus {L. acidophilus}

Lactobacillus gasseri {L.gasseri}
 Lactobacillus plantarum {L. plantarum}
 Nigella sativa {black cumin}
 Ocimum tenuiflorum {Tulsi}
 origanum vulgare {oregano}
 Pimpinella anisum {Anise}
 Propolis {Bee glue}
 rosmarinus officinalis {rosemary}
 β-(1?4)-linked D-glucosamine and N-acetyl-D-glucosamine {Chitosan}
 Thymus vulgaris {thyme}
 Zingiber officinale Roscoe {ginger}

Sample of Literature Used

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

[Serum Levels of Candida albicans 65-kDa Mannoprotein \(CaMp65p\) Correlate with Liver Disease in Patients with Alcohol Use Disorder.](#)

Microorganisms , Volume: 13 Issue: 11 2025 Oct 28

Authors Schnabl JT,Sandini S,Stärkel P,Hartmann P

[Gut microbes mediate the synergistic effects of dietary cholesterol and saturated fat in driving fibrosing MASH.](#)

bioRxiv : the preprint server for biology , 2025 Jul 21

Authors Hermanson JB,Tolba SA,Gazi MA,Chrisler EA,Kaur M,Sidebottom AM,Liu Y,Martinez-Boggio G,Lucas LN,Amador-Noguez D,Rey FE,Leone VA

[Biological Characterization and Essential Oil Profiles of Eastern European Cultivars of Thymus, Satureja, and Monarda.](#)

Molecules (Basel, Switzerland) , Volume: 31 Issue: 2 2026 Jan 19

Authors Pokajewicz K,Chodura M,Lezrag HA,Svydenko L,Nabrdalik M,Moliszewska E,Fatmi S,Hudz N,Wieczorek PP

[Lactacisbacillus rhamnosus BELR47 Mitigates Inflammatory Response in a Gardnerella vaginalis-Induced Bacterial Vaginosis Mouse Model via Gut Microbiome Modulation.](#)

Probiotics and antimicrobial proteins , 2025 Oct 27

Authors Bae HJ, Lee DH, Choi HS, Lim HJ, Chung EC, Oh NS

[In vitro evaluation of the effectiveness of Schinus molle essential oil against Candida albicans: resistant and sensitive strains.](#)

Revista científica odontológica (Universidad Científica del Sur) , Volume: 13 Issue: 3 2025 Jul-Sep

Authors Cadena Viteri CA,Cuenca León KLÁ,Pacheco Quito EM,Lima Illescas MV

[Rosemary Essential Oil Microemulsion for Fungal Keratitis Treatment.](#)

Chemistry & biodiversity , 2025 Oct 15

Authors Ribeiro S,Moraes MC,Scoaris DO,Madeira JEGC,Fialho SL,Moreira CPS

[Antifungal efficacy of caffeic acid and nano-caffeic acid particles against candidiasis: an in vitro study.](#)

Journal of oral microbiology , Volume: 17 Issue: 1 2025

Authors Salehi M,Haghani I,Saeedi M,Morteza-Semnani K,Negarandeh R,Hosseinataj A,Jafari A,Lotfizadeh A,Rafiei A,Molania T

[Effect of Lactiplantibacillus plantarum LPJZ-658 on caecum microbiota and serum metabolomics of Luhua broiler.](#)

Frontiers in microbiology , Volume: 16 2025

Authors Li M,Liu Z,Chen C,Liu Z,Liu L

[Salivary pH Modulation and Antimicrobial Properties of Oregano-Oil Jelly in Relation to Menstrual and Menopausal Status.](#)

Nutrients , Volume: 17 Issue: 15 2025 Jul 29

Authors Potra Cicalau GI,Ciavoi G,Scrobota I,Venter ID,Ganea MF,Ghitea MC,Ghitea EC,Gitea MF,Ghitea TC,Nagy C,Pelea DC,Dobjanschi L,Gligor O,Moisa C,Ganea M

[Reshaping the gut microbiota to ameliorate DSS-induced colitis using a novel synbiotic consisting of jujube powder and Faecalibacterium prausnitzii.](#)

Food & function , 2025 May 23

Authors Zhou Y,Yang Z,Zhuang H,Chen T,Koay SSN,Li R,Jiang G,Liu Z

[The Development and Comparative Evaluation of Rosemary Hydroalcoholic Macerate-Based Dermatocosmetic Preparations: A Study on Antioxidant, Antimicrobial, and Anti-Inflammatory Properties.](#)

Gels (Basel, Switzerland) , Volume: 11 Issue: 3 2025 Feb 20

Authors Sahlabgi A,Lupuliasa D,Stanciu G,Lup?or S,Vlaia LL,Rotariu R,Predescu NC,Radulescu C,Olteanu RL,Stanescu SG,Hincu L,Mititelu M

[Antimicrobial activities of seasonally collected bee products: honey, propolis, royal jelly, venom, and mellitin.](#)

Brazilian journal of biology = Revista brasleira de biologia , Volume: 84 2024

Authors Obeidat M,Haddad MA,Ghnamat SA

[Effect of ozonation on the phytochemicals of black seed oil and its anti-microbial, anti-oxidant, anti-inflammatory, and anti-neoplastic activities in vitro.](#)

Scientific reports , Volume: 14 Issue: 1 2024 Dec 11

Authors Al-Rajhi AMH,Abdelghany TM,Almuhayawi MS,Alruhaili MH,Saddiq AA,Baghdadi AM,Al Jaouni SK,Albasri HM,Waznah MS,Alraddadi FA,Selim S

[Microbiota-derived succinic acid mediates attenuating effect of dietary tomato juice supplementation on steatohepatitis through enhancing intestinal barrier.](#)

Food research international (Ottawa, Ont.) , Volume: 196 2024 Nov

Authors Song X,Sun J,Yue Y,Li D,Chen F

Effects of Lactiplantibacillus plantarum LM1215 on Candida albicans and Gardnerella vaginalis.**Yonsei medical journal** , Volume: 65 Issue: 12 2024 Dec

Authors Bae WY, Lee YJ, Jo S, Shin SL, Kim TR, Sohn M, Seol HJ

Lactocaseibacillus rhamnosus LRa05 alleviates cyclophosphamide-induced immunosuppression and intestinal microbiota disorder in mice.**Journal of food science** , Volume: 89 Issue: 12 2024 Dec

Authors Zhu M, Yang L, Kong S, Bai Y, Zhao B

The Antifungal Effects of Berberine and Its Proposed Mechanism of Action Through CYP51 Inhibition, as Predicted by Molecular Docking and Binding Analysis.**Molecules (Basel, Switzerland)** , Volume: 29 Issue: 21 2024 Oct 27

Authors Zhang CW, Huang DY, Rajoka MSR, Wu Y, He ZD, Ye L, Wang Y, Song X

Effect of probiotic supplementation combined with bismuth-containing quadruple therapy on gut microbiota during Helicobacter pylori eradication: a randomized, double-blind, placebo-controlled trial.**Frontiers in nutrition** , Volume: 11 2024

Authors Han Z, Li Y, Nan X, Zhou T, Li L, Li Y

Barley β -glucan consumption improves glucose tolerance by increasing intestinal succinate concentrations.**NPJ science of food** , Volume: 8 Issue: 1 2024 Sep 30

Authors Mio K, Goto Y, Matsuoka T, Komatsu M, Ishii C, Yang J, Kobayashi T, Aoe S, Fukuda S

Development and Evaluation of Microencapsulated Oregano Essential Oil as an Alternative Treatment for Candida albicans Infections.**ACS applied materials & interfaces** , Volume: 16 Issue: 31 2024 Aug 7

Authors Fernandes L, Barco-Tejada A, Blázquez E, Araújo D, Ribeiro A, Silva S, Cussó L, Costa-de-Oliveira S, Rodrigues ME, Henriques M

In vitro analysis of postbiotic antimicrobial activity against Candida Species in a minimal synthetic model simulating the gut mycobiota in obesity.**Scientific reports** , Volume: 14 Issue: 1 2024 Jul 21

Authors García-Gamboa R, Perfecto-Avalos Y, Gonzalez-Garcia J, Alvarez-Calderon MJ, Gutierrez-Vilchis A, Garcia-Gonzalez A

Unlocking the therapeutic potential of Nigella sativa extract: phytochemical analysis and revealing antimicrobial and antioxidant marvels.**BMC complementary medicine and therapies** , Volume: 24 Issue: 1 2024 Jul 12

Authors Rahman AU, Abdullah A, Faisal S, Mansour B, Yahya G

Characterization of a Lactobacillus gasseri strain as a probiotic for female vaginitis.**Scientific reports** , Volume: 14 Issue: 1 2024 Jun 23

Authors Zhang J, Li K, Cao T, Duan Z

A Prebiotic Diet Containing Galactooligosaccharides and Polydextrose Produces Dynamic and Reproducible Changes in the Gut Microbial Ecosystem in Male Rats.**Nutrients** , Volume: 16 Issue: 11 2024 Jun 6

Authors Thompson RS, Bowers SJ, Vargas F, Hopkins S, Kelley T, Gonzalez A, Lowry CA, Dorrestein PC, Vitaterna MH, Turek FW, Knight R, Wright KP Jr, Fleshner M

Insights into the antioxidant, anti-inflammatory and anti-microbial potential of Nigella sativa essential oil against oral pathogens.**Scientific reports** , Volume: 14 Issue: 1 2024 May 24

Authors Bhavikatti SK, Zainuddin SLA, Ramli RB, Nadaf SJ, Dandge PB, Khalate M, Karobari MI

From whole genomes to probiotic candidates: A study of potential lactobacilli strains selection for vaginitis treatment.**Heliyon** , Volume: 10 Issue: 9 2024 May 15

Authors Lyu J, Gao M, Zhao S, Liu X, Zhao X, Zou Y, Zhong Y, Ge L, Zhang H, Huang L, Fan S, Xiao L, Zhang X

Anti-proliferative, antimicrobial, DFT calculations, and molecular docking 3D scaffold based on sodium alginate, chitosan, neomycin sulfate and hydroxyapatite.**International journal of biological macromolecules** , Volume: 270 Issue: Pt 1 2024 Jun

Authors Dacrory S

Differential alteration in Lactiplantibacillus plantarum subsp. plantarum quorum-sensing systems and reduced Candida albicans yeast survival and virulence gene expression in dual-species interaction.**Microbiology spectrum** , Volume: 12 Issue: 6 2024 Jun 4

Authors Xu Z, Li Y, Xu A, Xue L, Soteyome T, Yuan L, Ma Q, Seneviratne G, Hong W, Mao Y, Kjellerup BV, Liu J

Human-derived bacterial strains mitigate colitis via modulating gut microbiota and repairing intestinal barrier function in mice.**BMC microbiology** , Volume: 24 Issue: 1 2024 Mar 23

Authors Dai J, Jiang M, Wang X, Lang T, Wan L, Wang J

Chemoprofiling and antimicrobial activity of medicinal herbs used in the treatment of inflammatory bowel disease.

Cellular and molecular biology (Noisy-le-Grand, France) , Volume: 69 Issue: 13 2023 Dec 10

Authors Alshahrani A, Ali A, Abdelwahab SF

Antifungal Effect of Probiotic Lactobacillus casei on Drug-Resistant Oral Candida albicans Isolated from Patients with Hematological Malignancy: an in vitro Study.

Journal of dentistry (Shiraz, Iran) , Volume: 24 Issue: 4 2023 Dec

Authors Sharifzadeh SS, Lotfali E, Lesan S, Farrokhnia T

Green synthesis of biogenic selenium nanoparticles functionalized with ginger dietary extract targeting virulence factor and biofilm formation in Candida albicans.

Microbial pathogenesis , Volume: 186 2024 Jan

Authors Thombre D, Shelar A, Nakhale S, Khairnar B, Karale N, Sangshetti J, Nile SH, Patil R

The Impact of Berberine Loaded Selenium Nanoparticles on K. pneumoniae and Candida albicans Antibiotics Resistance Isolates.

Archives of Razi Institute , Volume: 78 Issue: 3 2023 Jun

Authors Hasan MF, Jawad Kadhim M, Al-Awady MJ

Prebiotic potential of green banana flour: impact on gut microbiota modulation and microbial metabolic activity in a murine model.

Frontiers in nutrition , Volume: 10 2023

Authors Baek GH, Kim YJ, Lee Y, Jung SC, Seo HW, Kim JS

Kefir Ameliorates Alcohol-Induced Liver Injury Through Modulating Gut Microbiota and Fecal Bile Acid Profile in Mice.

Molecular nutrition & food research , 2023 Nov 7

Authors Cui Y, Jing C, Yue Y, Ning M, Chen H, Yuan Y, Yue T

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

Antibacterial activity of herbal formulation against common oral pathogens.

Bioinformation , Volume: 19 Issue: 5 2023

Authors Varghese RM, Aravind Kumar S, Rajeshkumar S

Effects of alcohol on the symptoms of gouty arthritis and taxonomic structure of gut microbiota in C57BL/6 mice.

Frontiers in microbiology , Volume: 14 2023

Authors Feng Y, Sun H, Zhu R, Tao J, Su R, Sun Y, Wang D

Antibiofilm, Antimicrobial, Anti-Quorum Sensing, and Antioxidant Activities of Saudi Sidr Honey: In Vitro and Molecular Docking Studies.

Pharmaceutics , Volume: 15 Issue: 9 2023 Aug 22

Authors Bazaid AS, Alsolami A, Patel M, Khateb AM, Aldarhami A, Snoussi M, Almusheet SM, Qanash H

In vitro antimicrobial and cytotoxic activity of Neem and Kirata herbal formulation mediated Silver nanoparticles.

Bioinformation , Volume: 18 Issue: 11 2022

Authors R R, Sp SD, B N, S R

The chronic consumption of dietary fructose promotes the gut Clostridium species imbalance and bile acid alterations in developing nonalcoholic fatty liver disease.

The Journal of nutritional biochemistry , Volume: 121 2023 Nov

Authors Zhang D, Wang H, Liu A, Wang S, Xu C, Lan K, Xiang W, Zhu K, Xiao Y, Fu J, Jiang R, Chen W, Ni Y

Escherichia coli Nissle 1917 Antagonizes Candida albicans Growth and Protects Intestinal Cells from C. albicans-Mediated Damage.

Microorganisms , Volume: 11 Issue: 8 2023 Jul 28

Authors Rebai Y, Wagner L, Gnaïen M, Hammer ML, Kapitan M, Niemiec MJ, Mami W, Mosbah A, Messadi E, Mardassi H, Vylkova S, Jacobsen ID, Znaïdi S

Effects of dietary L-Citrulline supplementation on growth performance, meat quality, and fecal microbial composition in finishing pigs.

Frontiers in microbiology , Volume: 14 2023

Authors Du J, Gan M, Xie Z, Zhou C, Jing Y, Li M, Liu C, Wang M, Dai H, Huang Z, Chen L, Zhao Y, Niu L, Wang Y, Zhang S, Guo Z, Shen L, Zhu L

Pimpinella anisum L. Essential Oil a Valuable Antibacterial and Antifungal Alternative.

Plants (Basel, Switzerland) , Volume: 12 Issue: 13 2023 Jun 23

Authors Dumitrescu E, Muselin F, Tirziu E, Folescu M, Dumitrescu CS, Orboi DM, Cristina RT

Corrigendum to 'Lycopene Affects Intestinal Barrier Function and the Gut Microbiota in Weaned Piglets via Antioxidant Signaling Regulation' [The Journal of Nutrition 152 (2022) 2396-2408].

The Journal of nutrition , Volume: 153 Issue: 5 2023 May

Authors Meng Q,Zhang Y,Li J,Shi B,Ma Q,Shan A

Impact of High Salt-Intake on a Natural Gut Ecosystem in Wildling Mice.

Nutrients , Volume: 15 Issue: 7 2023 Mar 23

Authors Cardilli A,Hamad I,Dyczko A,Thijs S,Vangronsveld J,Müller DN,Rosshart SP,Kleinewietfeld M

Lycopene Affects Intestinal Barrier Function and the Gut Microbiota in Weaned Piglets via Antioxidant Signaling Regulation.

The Journal of nutrition , Volume: 152 Issue: 11 2022 Nov

Authors Meng Q,Zhang Y,Li J,Shi B,Ma Q,Shan A

Chemical Composition and Antimicrobial Activity of New Honey Varietals.

International journal of environmental research and public health , Volume: 20 Issue: 3 2023 Jan 30

Authors Kunat-Budzyńska M,Rysiak A,Wiater A,Graz M,Andrejko M,Budzyński M,Brys MS,Sudziński M,Tomczyk M,Gancarz M,Rusinek R,Ptaszyńska AA

Preventive Effect of Indian Gooseberry (Phyllanthus emblica L.) Fruit Extract on Cognitive Decline in High-Fat Diet (HFD)-Fed Rats.

Molecular nutrition & food research , Volume: 67 Issue: 7 2023 Apr

Authors Chen YY,Chen SY,Lin JA,Yen GC

Theabrownin from Fu Brick Tea Improves Ulcerative Colitis by Shaping the Gut Microbiota and Modulating the Tryptophan Metabolism.

Journal of agricultural and food chemistry , Volume: 71 Issue: 6 2023 Feb 15

Authors Yang W,Ren D,Shao H,Zhang X,Li T,Zhang L,Liu L,Zhao Y,Niu P,Yang X

Enhanced antimicrobial and antioxidant capacity of Thymus vulgaris, Lippia sidoides, and Cymbopogon citratus emulsions when combined with mannosylerythritol a lipid biosurfactant.

Food research international (Ottawa, Ont.) , Volume: 163 2023 Jan

Authors Zanotto AW,Kanamaru MYS,de Souza FG,Duarte MCT,de Andrade CJ,Pastore GM

Effects of whole maize high-grain diet feeding on colonic fermentation and bacterial community in weaned lambs.

Frontiers in microbiology , Volume: 13 2022

Authors Cheng C,Yin Y,Bian G

Effects of highland barley β -glucan on blood glucose and gut microbiota in streptozotocin-induced, diabetic, C57BL/6 mice on a high-fat diet.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 107 2023 Mar

Authors Zang Y,Liu J,Zhai A,Wu K,Chuang Y,Ge Y,Wang C

Effects of Dietary Oregano Essential Oil on Cecal Microorganisms and Muscle Fatty Acids of Luhua Chickens.

Animals : an open access journal from MDPI , Volume: 12 Issue: 22 2022 Nov 20

Authors Wu T,Yang F,Jiao T,Zhao S

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 MUA,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

Effect of aqueous and organic solvent extraction on in-vitro antimicrobial activity of two varieties of fresh ginger (Zingiber officinale) and garlic (Allium sativum).

Heliyon , Volume: 8 Issue: 9 2022 Sep

Authors Akullo JO,Kiagi B,Nakimbugwe D,Kinyuru J

Anticandidal and Antibiofilm Effect of Synbiotics including Probiotics and Inulin-Type Fructans.

Antibiotics (Basel, Switzerland) , Volume: 11 Issue: 8 2022 Aug 21

Authors García-Gamboa R,Domínguez-Simí M,Gradilla-Hernández MS,Bravo J,Moya A,Ruiz-Álvarez B,González-Avila M

Antimicrobial Properties of Acrylic Resin Incorporated with Propolis Nanoparticles.

Frontiers in dentistry , Volume: 18 2021

Authors Arab S,Bahador A,Sodagar A,Pourhajibagher M,Akhavan A,Hafith AN,Pornamazeh T

Phytochemical Analysis and Antioxidant, Antibacterial, and Antifungal Effects of Essential Oil of Black Caraway (Nigella sativa L.) Seeds against Drug-Resistant Clinically Pathogenic Microorganisms.

BioMed research international , Volume: 2022 2022

Authors Zouirech O,Alyousef AA,El Barnossi A,El Moussaoui A,Bourhia M,Salamatullah AM,Ouahmane L,Giesy JP,Aboul-Soud MAM,Lyoussi B,Derwich E

Impact of Lycium barbarum arabinogalactan on the fecal metabolome in a DSS-induced chronic colitis mouse model.

Food & function , Volume: 13 Issue: 16 2022 Aug 15

Authors Cao C,Wang L,Ai C,Gong G,Wang Z,Huang L,Song S,Zhu B

Liver Transcriptome and Gut Microbiome Analysis Reveals the Effects of High Fructose Corn Syrup in Mice.

Frontiers in nutrition , Volume: 9 2022

Authors Shen Y,Sun Y,Wang X,Xiao Y,Ma L,Lyu W,Zheng Z,Wang W,Li J

The Effects of Time-Restricted Eating on Metabolism and Gut Microbiota: A Real-Life Study.

Nutrients , Volume: 14 Issue: 13 2022 Jun 21

Authors Ferrocino I,Pellegrini M,D'Eusebio C,Goitre I,Ponzo V,Fadda M,Rosato R,Mengozzi G,Beccuti G,Merlo FD,Rahimi F,Comazzi I,Cocolin L,Ghigo E,Bo S

Saccharomyces boulardii, a yeast probiotic, inhibits gut motility through upregulating intestinal serotonin transporter and modulating gut microbiota.

Pharmacological research , Volume: 181 2022 Jul

Authors Gu Y,Wang C,Qin X,Zhou B,Liu X,Liu T,Xie R,Liu J,Wang B,Cao H

Lactobacillus rhamnosus colonisation antagonizes Candida albicans by forcing metabolic adaptations that compromise pathogenicity.

Nature communications , Volume: 13 Issue: 1 2022 Jun 9

Authors Alonso-Roman R,Last A,Mirhakkak MH,Sprague JL,Möller L,Großmann P,Graf K,Gratz R,Mogavero S,Vylkova S,Panagiotou G,Schäuble S,Hube B,Gresnigt MS

A Natural Polyphenol Exerts Antitumor Activity and Circumvents Anti-PD-1 Resistance through Effects on the Gut Microbiota.

Cancer discovery , Volume: 12 Issue: 4 2022 Apr 1

Authors Messaoudene M,Pidgeon R,Richard C,Ponce M,Diop K,Benlaifaoui M,Nolin-Lapalme A,Cauchois F,Malo J,Belkaid W,Isnard S,Fradet Y,Dridi L,Velin D,Oster P,Raoult D,Ghiringhelli F,Boidot R,Chevrier S,Kysela DT,Brun YV,Falcone EL,Pilon G,Oñate FP,Gitton-Quent O,Le Chatelier E,Durand S,Kroemer G,Elkrief A,Marette A,Castagner B,Routy B

Crosstalk between gut microbiota and host lipid metabolism in a mouse model of alcoholic liver injury by chronic baijiu or ethanol feeding.

Food & function , Volume: 13 Issue: 2 2022 Jan 24

Authors Fang C,Zhou Q,Liu Q,Jia W,Xu Y

Lemongrass and Perilla Essential Oils Synergistically Increased Antimicrobial Activity.

Medical mycology journal , Volume: 62 Issue: 4 2021

Authors Ishijima SA,Ezawa K,Abe S

Antifungal effects of tulsi, garlic, cinnamon and lemongrass in powder and oil form on Candida albicans: An in vitro study.

Journal of oral and maxillofacial pathology : JOMFP , Volume: 25 Issue: 2 2021 May-Aug

Authors Prajapati M,Shah M,Ranginwala A,Agrawal P,Acharya D,Thakkar S

Leonurine protects against ulcerative colitis by alleviating inflammation and modulating intestinal microflora in mouse models.

Experimental and therapeutic medicine , Volume: 22 Issue: 5 2021 Nov

Authors Zheng S,Zhuang T,Tang Y,Wu R,Xu T,Leng T,Wang Y,Lin Z, Ji M

Oral iron supplementation after antibiotic exposure induces a deleterious recovery of the gut microbiota.

BMC microbiology , Volume: 21 Issue: 1 2021 Sep 28

Authors Cuisiniere T,Calvé A,Fragoso G,Olivero M,Hajjar R,Gonzalez E,Santos MM

Antibiofilm Potential of Medicinal Plants against Candida spp. Oral Biofilms: A Review.

Antibiotics (Basel, Switzerland) , Volume: 10 Issue: 9 2021 Sep 21

Authors Guimarães R,Milho C,Liberal Â,Silva J,Fonseca C,Barbosa A,Ferreira ICFR,Alves MJ,Barros L

Selenium-Enriched Lactobacillus acidophilus Ameliorates Dextran Sulfate Sodium-Induced Chronic Colitis in Mice by Regulating Inflammatory Cytokines and Intestinal Microbiota.

Frontiers in medicine , Volume: 8 2021

Authors Wu Z,Pan D,Jiang M,Sang L,Chang B

Clostridium butyricum MIYAIRI 588 Modifies Bacterial Composition under Antibiotic-Induced Dysbiosis for the Activation of Interactions via Lipid Metabolism between the Gut Microbiome and the Host.

Biomedicines , Volume: 9 Issue: 8 2021 Aug 22

Authors Ariyoshi T,Hagihara M,Tomono S,Eguchi S,Minemura A,Miura D,Oka K,Takahashi M,Yamagishi Y,Mikamo H

In Vitro Assessment of Lactobacillus crispatus UBLCP01, Lactobacillus gasseri UBLG36, and Lactobacillus johnsonii UBLJ01 as a Potential Vaginal Probiotic Candidate.

Probiotics and antimicrobial proteins , Volume: 15 Issue: 2 2023 Apr

Authors Ahire JJ,Sahoo S,Kashikar MS,Heerekar A,Lakshmi SG,Madempudi RS

Facile Synthesis of Natural Anise-Based Nanoemulsions and Their Antimicrobial Activity.

Polymers , Volume: 13 Issue: 12 2021 Jun 19

Authors Abu Ali OA,El-Naggar ME,Abdel-Aziz MS,Saleh DI,Abu-Saied MA,El-Sayed WA

Increasing levels of Parasutterella in the gut microbiome correlate with improving low-density lipoprotein levels in healthy

adults consuming resistant potato starch during a randomised trial.

BMC nutrition , Volume: 6 Issue: 1 2020 Dec 11

Authors Bush JR,Alfa MJ

Effect of Five Commercial Probiotic Formulations on Candida Albicans Growth: In Vitro Study.

The Journal of clinical pediatric dentistry , Volume: 44 Issue: 5 2020 Sep 1

Authors Hernández-Bautista LM,Márquez-Preciado R,Ortiz-Magdaleno M,Pozos-Guillén A,Aranda-Romo S,Sánchez-Vargas LO

[Anti-microbial activity of Rosmarinus officinalis and Zingiber officinale extracts on the species of the genus Candida and on Streptococcus pneumonia].

Annales pharmaceutiques francaises , Volume: 79 Issue: 1 2021 Jan

Authors Akroum S

Use of black seed (Nigella sativa) honey bee to improve sheep oocyte maturation medium.

Environmental science and pollution research international , Volume: 27 Issue: 27 2020 Sep

Authors Kaabi AM,Barakat IAH,Alajmi RA,Abdel-Daim MM

Thymus vulgaris L. Essential Oil Solid Formulation: Chemical Profile and Spasmolytic and Antimicrobial Effects.

Biomolecules , Volume: 10 Issue: 6 2020 Jun 4

Authors Micucci M,Protti M,Aldini R,Frosini M,Corazza I,Marzetti C,Mattioli LB,Tocci G,Chiarini A,Mercolini L,Budriesi R

Assessment of Antimicrobial Effectiveness of Neem and Clove Extract Against Streptococcus mutans and Candida albicans: An In vitro Study.

Nigerian medical journal : journal of the Nigeria Medical Association , Volume: 60 Issue: 6 2019 Nov-Dec

Authors Bansal V,Gupta M,Bhaduri T,Shaikh SA,Sayed FR,Bansal V,Agrawal A

Randomised clinical trial: effect of low-FODMAP rye bread versus regular rye bread on the intestinal microbiota of irritable bowel syndrome patients: association with individual symptom variation.

BMC nutrition , Volume: 5 2019

Authors Laatikainen R,Jalanka J,Loponen J,Hongisto SM,Hillilä M,Koskenpato J,Korpela R,Salonen A

Gut Microbiota Modulation by Dietary Barley Malt Melanoidins.

Nutrients , Volume: 12 Issue: 1 2020 Jan 17

Authors Aljahdali N,Gadonna-Widehem P,Anton PM,Carbonero F

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

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.

High-dose Glycerol Monolaurate Up-Regulated Beneficial Indigenous Microbiota without Inducing Metabolic Dysfunction and Systemic Inflammation: New Insights into Its Antimicrobial Potential.

Nutrients , Volume: 11 Issue: 9 2019 Aug 22

Authors Mo Q,Fu A,Deng L,Zhao M,Li Y,Zhang H,Feng F

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

Antifungal efficacy of herbs.

Journal of oral biology and craniofacial research , Volume: 9 Issue: 1 2019 Jan-Mar

Authors Samadi FM,Suhail S,Sonam M,Sharma N,Singh S,Gupta S,Dobhal A,Pradhan H

Probiotic Lactobacillus acidophilus Strain INMIA 9602 Er 317/402 Administration Reduces the Numbers of Candida albicans and Abundance of Enterobacteria in the Gut Microbiota of Familial Mediterranean Fever Patients.

Frontiers in immunology , Volume: 9 2018

Authors Pepoyan A,Balayan M,Manvelyan A,Galstyan L,Pepoyan S,Petrosyan S,Tsaturyan V,Kamiya S,Torok T,Chikindas M

Antimicrobial Activity of Five Essential Oils against Bacteria and Fungi Responsible for Urinary Tract Infections.

Molecules (Basel, Switzerland) , Volume: 23 Issue: 7 2018 Jul 9

Authors Ebani VV,Nardoni S,Bertelloni F,Pistelli L,Mancianti F

Effects of a galacto-oligosaccharide-rich diet on fecal microbiota and metabolite profiles in mice.

Food & function , 2018 Feb 21

Authors Cheng W,Lu J,Lin W,Wei X,Li H,Zhao X,Jiang A,Yuan J

Thymus mastichina L. essential oils from Murcia (Spain): Composition and antioxidant, antienzymatic and antimicrobial bioactivities.

PloS one , Volume: 13 Issue: 1 2018

Authors Cutillas AB,Carrasco A,Martinez-Gutierrez R,Tomas V,Tudela J

[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

[Sodium butyrate attenuates high-fat diet-induced steatohepatitis in mice by improving gut microbiota and gastrointestinal barrier](#)

World Journal of Gastroenterology , Volume: 23 Issue: 1 2017 Jan 7

Authors Zhou D,Pan Q,Xin FZ,Zhang RN,He CX,Chen GY,Liu C,Chen YW,Fan JG

[Early-Life Sugar Consumption Affects the Rat Microbiome Independently of Obesity.](#)

The Journal of nutrition , Volume: 147 Issue: 1 2017 Jan

Authors Noble EE,Hsu TM,Jones RB,Fodor AA,Goran MI,Kanoski SE

[Probiotic \(yogurt\) containing Lactobacillus gasseri OLL2716 is effective for preventing Candida albicans-induced mucosal inflammation and proliferation in the forestomach of diabetic rats.](#)

Histology and histopathology , Volume: 31 Issue: 6 2016 Jun

Authors Terayama Y,Matsuura T,Uchida M,Narama I,Ozaki K

[Antimicrobial activity of different tea varieties available in Pakistan.](#)

Pakistan journal of pharmaceutical sciences , Volume: 28 Issue: 6 2015 Nov

Authors Zakir M,Sultan KB,Khan H,Ihsaannullah,Khan MA,Fazal H,Rauf A

[Immunomodulation and anti-inflammatory effects of garlic compounds.](#)

Journal of immunology research , Volume: 2015 2015

Authors Arreola R,Quintero-Fabián S,López-Roa RI,Flores-Gutiérrez EO,Reyes-Grajeda JP,Carrera-Quintanar L,Ortuño-Sahagún D

[Antifungal and antibacterial metabolites from a French poplar type propolis.](#)

Evidence-based complementary and alternative medicine : eCAM , Volume: 2015 2015

Authors Boisard S,Le Ray AM,Landreau A,Kempf M,Cassisa V,Flurin C,Richomme P

[Anti-inflammatory effect of garlic 14-kDa protein on LPS-stimulated-J774A.1 macrophages.](#)

Immunopharmacology and immunotoxicology , Volume: 37 Issue: 2 2015 Apr

Authors Rabe SZ,Ghazanfari T,Siadat Z,Rastin M,Rabe SZ,Mahmoudi M

[Inhibitory effects of different lactobacilli on Candida albicans hyphal formation and biofilm development.](#)

Journal of biological regulators and homeostatic agents , Volume: 28 Issue: 4 2014 Oct-Dec

Authors Orsi CF,Sabia C,Ardizzoni A,Colombiari B,Neglia RG,Peppoloni S,Morace G,Blasi E

[Lemongrass-Incorporated Tissue Conditioner Against Candida albicans Culture.](#)

Journal of clinical and diagnostic research : JCDR , Volume: 8 Issue: 7 2014 Jul

Authors Amornvit P,Choonharuangdej S,Srithavaj T

[Antimicrobial and anti-adhesive properties of biosurfactant produced by lactobacilli isolates, biofilm formation and aggregation ability.](#)

The Journal of general and applied microbiology , Volume: 59 Issue: 6 2013

Authors Zakaria Gomaa E

[In vitro evaluation of Portuguese propolis and floral sources for antiprotozoal, antibacterial and antifungal activity.](#)

Phytotherapy research : PTR , Volume: 28 Issue: 3 2014 Mar

Authors Falcão SI,Vale N,Cos P,Gomes P,Freire C,Maes L,Vilas-Boas M

[In vitro antimicrobial assessment of Cuban propolis extracts.](#)

Memorias do Instituto Oswaldo Cruz , Volume: 107 Issue: 8 2012 Dec

Authors Monzote L,Cuesta-Rubio O,Campo Fernandez M,Márquez Hernandez I,Fraga J,Pérez K,Kerstens M,Maes L,Cos P

[Synergistic effects of honey and propolis toward drug multi-resistant Staphylococcus aureus, Escherichia coli and Candida albicans isolates in single and polymicrobial cultures.](#)

International journal of medical sciences , Volume: 9 Issue: 9 2012

Authors Al-Waili N,Al-Ghamdi A,Ansari MJ,Al-Attal Y,Salom K

[The in vitro antimicrobial activities of metabolites from lactobacillus strains on Candida species implicated in Candida vaginitis.](#)

The Malaysian journal of medical sciences : MJMS , Volume: 18 Issue: 4 2011 Oct

Authors Ogunshe AA,Omotoso MA,Bello VB

[Comparative antimicrobial activities of Emblica officinalis and Ocimum sanctum.](#)

Ancient science of life , Volume: 27 Issue: 2 2007 Oct

Authors Vijayalakshmi S,Arunkumar V,Anju D,Gunasundari P,Moorthy P,Chandrasekharan AK

[Synthesis and characterization of chitosan and grape polyphenols stabilized palladium nanoparticles and their antibacterial activity.](#)

Colloids and surfaces. B, Biointerfaces , Volume: 92 2012 Apr 1

Authors Amarnath K,Kumar J,Reddy T,Mahesh V,Ayyappan SR,Nellore J

Antimicrobial activity of extracts of local cough mixtures on upper respiratory tract bacterial pathogens.**The West Indian medical journal** , Volume: 52 Issue: 3 2003 Sep

Authors Adeleye IA,Opiah L

Influence of ginger rhizome (Zingiber officinale Rosc) on survival, glutathione and lipid peroxidation in mice after whole-body exposure to gamma radiation.**Radiation research** , Volume: 160 Issue: 5 2003 Nov

Authors Jagetia GC,Baliga MS,Venkatesh P,Ulloor JN

Antimicrobial activity of berberine—a constituent of Mahonia aquifolium.**Folia microbiologica** , Volume: 47 Issue: 4 2002

Authors Cernáková M,Kostálová D

Activity of Ocimum sanctum (the traditional Indian medicinal plant) against the enteric pathogens.**Indian journal of medical sciences** , Volume: 55 Issue: 8 2001 Aug

Authors Geeta,Vasudevan DM,Kedlaya R,Deepa S,Ballal M

In-vitro antimicrobial activity of four diallyl sulphides occurring naturally in garlic and Chinese leek oils.**Journal of medical microbiology** , Volume: 50 Issue: 7 2001 Jul

Authors Tsao SM,Yin MC

Egyptian propolis: 1-antimicrobial activity and chemical composition of Upper Egypt propolis.**Zeitschrift fur Naturforschung. C, Journal of biosciences** , Volume: 56 Issue: 1-2 2001 Jan-Feb

Authors Hegazi AG,El Hady FK

Chemical composition and antimicrobial activity of European propolis.**Zeitschrift fur Naturforschung. C, Journal of biosciences** , Volume: 55 Issue: 1-2 2000 Jan-Feb

Authors Hegazi AG,Abd El Hady FK,Abd Allah FA

Antibacterial activity of garlic powder against Escherichia coli O-157.**Journal of nutritional science and vitaminology** , Volume: 45 Issue: 6 1999 Dec

Authors Sasaki J,Kita T,Ishita K,Uchisawa H,Matsue H

Additional APriori Analysis Available

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

Abdominal Aortic Aneurysm

Acne

Addison's Disease (hypocortisolism)

ADHD

Age-Related Macular Degeneration and Glaucoma

Allergic Rhinitis (Hay Fever)

Allergies

Allergy to milk products

Alopecia (Hair Loss)

Alzheimer's disease

Amyotrophic lateral sclerosis (ALS) Motor Neuron

Ankylosing spondylitis

Anorexia Nervosa

Antiphospholipid syndrome (APS)

Asthma

Atherosclerosis

Atrial fibrillation

Autism

Autoimmune Disease

Barrett esophagus cancer

benign prostatic hyperplasia

Biofilm

Bipolar Disorder

Brain Trauma

Breast Cancer

Cancer (General)
Carcinoma
cdkl5 deficiency disorder
Celiac Disease
Cerebral Palsy
Chronic Fatigue Syndrome
Chronic Kidney Disease
Chronic Lyme
Chronic Obstructive Pulmonary Disease (COPD)
Chronic Urticaria (Hives)
Coagulation / Micro clot triggering bacteria
Cognitive Function
Colorectal Cancer
Constipation
Coronary artery disease
COVID-19
Crohn's Disease
Cushing's Syndrome (hypercortisolism)
cystic fibrosis
d-lactic acidosis (one form of brain fog)
deep vein thrombosis
Denture Wearers Oral Shifts
Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy
erectile dysfunction
Fibromyalgia
Food Allergy
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus
Generalized anxiety disorder
giant cell arteritis
Glioblastoma
Gout
Graves' disease
Gulf War Syndrome
Halitosis
Hashimoto's thyroiditis
Heart Failure
hemorrhagic stroke
Hemorrhoidal disease, Hemorrhoids, Piles
Hidradenitis Suppurativa
High Histamine/low DAO
hypercholesterolemia (High Cholesterol)
hyperglycemia
Hyperlipidemia (High Blood Fats)
hypersomnia
hypertension (High Blood Pressure)
Hypothyroidism
Hypoxia
IgA nephropathy (IgAN)
Inflammatory Bowel Disease
Insomnia
Intelligence

Intracranial aneurysms
Irritable Bowel Syndrome
ischemic stroke
Juvenile idiopathic arthritis
Liver Cirrhosis
liver fibrosis
Long COVID
Low bone mineral density
Lung Cancer
Lymphoma
Mast Cell Issues / mastitis
ME/CFS with IBS
ME/CFS without IBS
membranous nephropathy
Menopause
Metabolic Syndrome
Mood Disorders
multiple chemical sensitivity [MCS]
Multiple Sclerosis
Multiple system atrophy (MSA)
myasthenia gravis
neuropathic pain
Neuropathy (all types)
neuropsychiatric disorders (PANDAS, PANS)
Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic
NonCeliac Gluten Sensitivity
Obesity
obsessive-compulsive disorder
Osteoarthritis
Osteoporosis
pancreatic cancer
Parkinson's Disease
Peanut Allergy
Polycystic ovary syndrome
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder
primary biliary cholangitis
Primary sclerosing cholangitis
Psoriasis
rheumatoid arthritis (RA),Spondyloarthritis (SpA)
Rosacea
Schizophrenia
scoliosis
sensorineural hearing loss
Sjögren syndrome
Sleep Apnea
Slow gastric motility / Gastroparesis
Small Intestinal Bacterial Overgrowth (SIBO)
Stress / posttraumatic stress disorder
Systemic Lupus Erythematosus
Tic Disorder
Tourette syndrome
Type 1 Diabetes
Type 2 Diabetes
Ulcerative colitis
Unhealthy Ageing
Vitiligo