

## Microbiome Information for: Atrial fibrillation

### 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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## Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Atrial fibrillation

*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 |
|---------------------|--------|-------|-------------|
| Alphaproteobacteria | class  | Low   | 28211       |
| Flavobacteriia      | class  | Low   | 117743      |
| Sphingobacteriia    | class  | Low   | 117747      |
| Alcaligenaceae      | family | High  | 506         |
| Barnesiellaceae     | family | Low   | 2005519     |
| Clostridiaceae      | family | Low   | 31979       |
| Flavobacteriaceae   | family | Low   | 49546       |
| Lachnospiraceae     | family | Low   | 186803      |
| Sphingobacteriaceae | family | Low   | 84566       |
| Veillonellaceae     | family | Low   | 31977       |
| Acinetobacter       | genus  | High  | 469         |
| Aeromonas           | genus  | High  | 642         |
| Agathobacter        | genus  | High  | 1766253     |
| Allisonella         | genus  | High  | 209879      |
| Bilophila           | genus  | Low   | 35832       |
| Blautia             | genus  | High  | 572511      |
| Brevundimonas       | genus  | Low   | 41275       |
| Burkholderia        | genus  | High  | 32008       |
| Butyricicoccus      | genus  | Low   | 580596      |
| Butyrivibrio        | genus  | Low   | 830         |
| Citrobacter         | genus  | Low   | 544         |
| Coprococcus         | genus  | High  | 33042       |
| Desulfovibrio       | genus  | High  | 872         |
| Dialister           | genus  | High  | 39948       |
| Dorea               | genus  | High  | 189330      |
| Eisenbergiella      | genus  | High  | 1432051     |
| Enorma              | genus  | High  | 1472762     |
| Enterobacter        | genus  | High  | 547         |
| Enterococcus        | genus  | High  | 1350        |
| Escherichia         | genus  | Low   | 561         |
| Faecalibacterium    | genus  | Low   | 216851      |
| Haemophilus         | genus  | High  | 724         |
| Holdemanella        | genus  | Low   | 1573535     |
| Holdemania          | genus  | High  | 61170       |
| Hungatella          | genus  | Low   | 1649459     |

| Bacteria Name                | Rank    | Shift | Taxonomy ID |
|------------------------------|---------|-------|-------------|
| Klebsiella                   | genus   | High  | 570         |
| Kluyvera                     | genus   | High  | 579         |
| Lachnobacterium              | genus   | Low   | 140625      |
| Lachnoclostridium            | genus   | High  | 1506553     |
| Lachnospira                  | genus   | High  | 28050       |
| Lactobacillus                | genus   | High  | 1578        |
| Lactococcus                  | genus   | High  | 1357        |
| Oscillibacter                | genus   | Low   | 459786      |
| Parabacteroides              | genus   | High  | 375288      |
| Paraprevotella               | genus   | Low   | 577309      |
| Prevotella                   | genus   | Low   | 838         |
| Ruminococcus                 | genus   | High  | 1263        |
| Sanguibacteroides            | genus   | Low   | 1635148     |
| Sellimonas                   | genus   | High  | 1769710     |
| Shigella                     | genus   | Low   | 620         |
| Sphingobacterium             | genus   | Low   | 28453       |
| Streptococcus                | genus   | High  | 1301        |
| Turidibacter                 | genus   | Low   | 191303      |
| Tyzzera                      | genus   | Low   | 1506577     |
| Veillonella                  | genus   | High  | 29465       |
| Burkholderiales              | order   | High  | 80840       |
| Flavobacteriales             | order   | Low   | 200644      |
| Hyphomicrobiales             | order   | Low   | 356         |
| Micrococcales                | order   | Low   | 85006       |
| Sphingobacteriales           | order   | Low   | 200666      |
| Agathobacter rectalis        | species | Low   | 39491       |
| Bacteroides fragilis         | species | High  | 817         |
| Corynebacterium striatum     | species | High  | 43770       |
| Eubacterium ramulus          | species | High  | 39490       |
| Faecalibacterium prausnitzii | species | High  | 853         |
| Helicobacter pylori          | species | High  | 210         |
| Phocaeicola coprophilus      | species | Low   | 387090      |
| Porphyromonas gingivalis     | species | High  | 837         |
| Segatella copri              | species | Low   | 165179      |
| Staphylococcus aureus        | species | High  | 1280        |

## 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->1)-beta-D-fructofuranan {Inulin}                                                                                 | 32 gram/day |  |
| Agaricus bisporus {White button mushrooms}                                                                           |             |  |
| Amylum {Starch}                                                                                                      |             |  |
| Avena sativa x Hordeum vulgare {barley,oat}                                                                          |             |  |
| bacillus,lactobacillus,streptococcus,saccharomyces probiotic                                                         |             |  |
| bifidobacterium                                                                                                      |             |  |
| Bifidobacterium animalis {B. animalis}                                                                               |             |  |
| bifidobacterium longum {B.Longum }                                                                                   | 10 BCFU/day |  |
| Bovine Milk Products {Dairy}                                                                                         |             |  |
| Caffeine                                                                                                             |             |  |
| Coffee                                                                                                               |             |  |
| Cola aspartame {Diet Cola}                                                                                           |             |  |
| dietary fiber                                                                                                        |             |  |
| fructo-oligosaccharides                                                                                              | 15 gram/day |  |
| high-fat diets                                                                                                       |             |  |
| Hordeum vulgare {Barley}                                                                                             | 60 gram/day |  |
| Human milk oligosaccharides (prebiotic, Holigos, Stachyose)                                                          | 2           |  |
|                                                                                                                      | gram/day    |  |
| Lactocaseibacillus casei {L. casei}                                                                                  | 48 BCFU/day |  |
| lactobacillus acidophilus {L. acidophilus}                                                                           | 20 BCFU/day |  |
| lactobacillus paracasei,lactobacillus acidophilus,bifidobacterium animalis                                           |             |  |
| Lactobacillus plantarum {L. plantarum}                                                                               | 60 BCFU/day |  |
| lactobacillus rhamnosus gg,bifidobacterium animalis lactis ,lactobacillus paracasei {cvs maximum strength probiotic} |             |  |
| Lactose {Milk Sugar}                                                                                                 |             |  |
| Limosilactobacillus reuteri {L. Reuteri}                                                                             | 22 BCFU/day |  |
| long-term, moderate-intensity exercise {exercise}                                                                    |             |  |
| oligosaccharides {oligosaccharides}                                                                                  |             |  |
| Oryza sativa {Rice}                                                                                                  |             |  |
| Outer Layers of Triticum aestivum {Wheat Bran}                                                                       |             |  |
| Probiotic Mixture 1 {Japanese Vet Probiotic}                                                                         |             |  |
| Probiotic Mixture 2 {Vetafarm Probiotic}                                                                             |             |  |
| Prunus dulcis {Almonds}                                                                                              | 90 gram/day |  |
| resistant starch                                                                                                     |             |  |
| Saccharomyces cerevisiae var boulardii {S. boulardii}                                                                | 6 BCFU/day  |  |
| Slow digestible carbohydrates. {Low Glycemic}                                                                        |             |  |
| soy                                                                                                                  | 25 gram/day |  |
| synthetic disaccharide derivative of lactose {Lactulose}                                                             |             |  |
| walnuts                                                                                                              | 75 gram/day |  |
| wheat                                                                                                                |             |  |
| whole-grain diet                                                                                                     |             |  |
| yogurt                                                                                                               |             |  |
| Zinc {Zinc Supplements}                                                                                              | 300 mg/day  |  |
| β-lactoglobulin {Whey}                                                                                               | 60 gram/day |  |

## Retail Probiotics

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

Global Healing Center / FloraTrex  
 Advanced Bio-Cultures / Advance Multi Strain Probiotics  
 elixa / probiotic  
 bioray / cytoflora  
 theramedix / probiotic  
 newrhythm / probiotics 20 stains  
 SuperSmart / Full Spectrum Probiotic Formula  
 Next Generation  
 vita miracle / ultra-30 probiotics  
 Physician Choice /60 Billion Probiotics  
 Garden of Life / Dr. Formulated Once Daily Women's  
 hyperbiotics / pro-15  
 nature's way (au) / restore probiotic 100 billion  
 seed / male version  
 Dr. Mercola / Complete Probiotics  
 Ombre / Metabolic Booster  
 organic 3 / primal gut  
 Physis / Advance Probiotics  
 naturopathica (au) / gastrohealth probiotic dairy free 50 billion  
 seed / female version  
 1 md / complete probiotics platinum  
 fairvital / microflora basic  
 MegaFood / MegaFlora  
 Northwest Natural Products / PB8  
 renew life men's probiotic - ultimate  
 quantum wellness / restora flora  
 Probiotic 10 Billion Active Cells Daily Maintenance  
 douglas laboratories / multi probiotic 40 billion  
 nature's way (au) / restore probiotic bowel & colon health 30s  
 visbiome  
 garden of life / primal defense  
 probiotic pur (de) / realdose nutrition  
 ASEA VIA / BIOME  
 Lake Avenue Nutrition / Probiotics 10 Strain Blend  
 udo's choice /super 8 gold  
 renew life / ultimate flora  
 up4 / ultra  
 bioglan bio (au) / happy probiotic 100  
 Realdose  
 Bioflora (Mx) / BIOFLORA / 30 BILLION 10 strains  
 ProbioMax® Daily DF  
 naturopathica (au) / gastrohealth probiotic ultimate daily care 100billion  
 Jetson (US) / Immunity Probiotics  
 spain (es) / vivomixx  
 Krauterhaus / Lactopro  
 LiveWell Nutrition / Pro-45  
 jarrow formula / jarro-dophilus original  
 HLH BIOPHARMA(DE) / LACTOBACT ® PREMIUM  
 fürstenmed / lacto-bifido  
 Swiss BioEnergetics / Full Spectrum Probiotic Defence  
 Wholesome Wellness / Raw Probiotic  
 Windcove Probiotics / Ecologic®825  
 up4 / adult  
 SuperSmart / Lactoxira

7 AM Ultra Probiotics  
optibac / for every day  
Thryve Inside/ L.Reu,Rham,Casi; B.Lactis  
SuperSmart / Probio Forte  
Wakunaga / Max Probiotic  
nature's bounty / probioti 10  
young living/life 9  
Invivo / Bio.Me Femme UT  
Bioflora(MX) / Woman  
Bio Schwartz / Advance Strength Probiotics (40 BCFU)  
OMINI-BIOTIC®/ TRAVEL  
OMINI-BIOTIC®/ 10 AAD  
jarrow formulas / jarro-dophilus® ultra  
HLH BIOPHARMA(DE) / LACTOBACT ® 60PLUS  
Ombre / Healthy Gut  
naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu  
vinco / probiotic eight 65  
solaray / microbiome probiotic colon formula  
lifted naturals / mood boosting probiotic  
NOW FOODS / Clinical GI Probiotic  
bioglan bio (au) / happy probiotic 50  
cytoplan(uk) / dentavital bifidophilus  
ecology\_allergycare  
HLH BIOPHARMA(DE) / LACTOBACT ® OMINI FOS  
blackmore (au) / probiotics+ daily health  
CVSHealth / Daily Probiotic  
Bromatech (IT) / Serobiome  
custom probiotics / six strain probiotic powder  
Bromatech (IT) / Citogenex  
Symprove™  
Ombre / Heart Health  
SuperSmart / Oral Health  
HMF Metabolic  
blackmores (au) / probiotics+ immune defence  
up4 /women's  
ISCON Elegance/ Ochek Capsule 10  
just for tummies / live bacteria  
nature's way (au) / restore probiotic 30 billion 30s  
NaturalPharma / Profit Probiotics  
blackmore (au) / probiotics+ bowel support  
Bromatech (IT) / Adomelle  
Bromatech / ENTERELLE PLUS  
SuperSmart / Derma Relief  
naturopathica (au) / gastrohealth women's probiotic with cranberry  
organic 3 / gutpro  
jarrow formula / ideal bowel support® lp299v®  
Seeking Health / Probiota HistaminX  
SuperSmart / Vaginal Health  
bravo europe / starter and complex  
Schwabe Pharma Italia / EnteroDophilus  
ferring / vsl#3  
Resbiotic/resB® Lung Support  
Bromatech (IT) / Psicobrain  
Bromatech (IT) / Lautoselle  
Bioflora (MX) / BIOFLORAMX / 50 BILLION 10 Strains  
klair labs / target gb-x  
jarrow formulas / jarro-dophilus eps  
naturopathica (au) / gastrohealth fibrepro

Sash Vitality /Bio-Cultures Probiotics for Adults  
Ombre / Mood Enhancer  
jamieson (can) / probiotic 10 bcfu  
blackmores (au) / probiotics + adults daily (90 capsules)  
bio-k+  
Bromatech (IT) / Rotanelle plus  
SuperSmart / Candalb  
custom probiotics / four strain lactobacilli  
nature's way (au) / restore probiotic daily health 90s  
Bromatech(IT) / FEMELLE  
zint nutrition / probiotic collagen +  
Smidge / Sensitive Probiotic  
Bromatech (IT) / Enterelle  
jarrow formulas / bifidus balance® + fos  
HLH BIOPHARMA(DE) / LACTOBACT ® AAD  
naturopathica (au) / gastrohealth probiotic adults 50+  
HMF Intensive  
Nature's Lab Intensive GI  
Schwabe Pharma Italia / MegaStress  
bayer / trubiotics daily probiotic  
SuperSmart / Lactobacillus Plantarum Postbiotic (Pasturized)  
JGL / Lactogyn  
Align® Extra Strength  
Floradapt Gut Comfort  
Botica Alternativa / Lactobacilos Reuteri  
genestra brands® hm  
align / align  
Ombre / Ultimate Immunity  
Seeking Health / Probiota Bifidobacterium  
quality health(au)/ fridge free probiotic 25b  
optibac / for your cholesterol  
CustomProbiotics.com / L. Acidophilus Probiotic Powder  
jarrow formulas / fem dophilus  
Purica Probiotic Intensive GI  
Bromatech (IT) / Pilorex  
microbiome labs / restorflora  
Metabolics / Lactobacillus Plantarum Powder  
Nature's Lab Cardio  
CustomProbiotics.com / L. Casei Probiotic Powder  
solgar / advanced multi-billion dophilus  
Bromatech (IT) / Aflugenex  
Immune Defense Daily Chewable Probiotic  
Maple Life Science™ / Bifidobacterium longum  
natren / megadophilus  
Metabolics / Bifidobacterium Longum Powder  
VSL Pharmaceuticals / Oxadrop  
Bulk Probiotics / B. Longum Probiotic Powder  
PharmExtracta (IT) / FG5 Forte In Sachets  
optibac / for those on antibiotics  
shin biofermin (jp) /s  
Thryve LPCasei Th1, LPCasei Th2,L.Ferm IBF1, Lacidoph  
Bulk Probiotics / L. Plantarum Probiotic Powder  
spain (es) / I3.1  
spain (es) / aquilea intimus  
florastor / florastor  
PrecisionBiotics / Zenflore  
PharmExtracta / Bowell  
UltraFlora® Balance

Ombre / Restore  
Bromatech (IT) / Acronelle  
spain (es) / gastrus  
blackmore (au) / probiotics+ eczema relief  
imagilin / NutriLots Replenish  
Metabolics / Lactobacillus Acidophilus  
philips / colon health  
Align / Align® Chewables  
bioglan bio (au/ happy probiotic 25  
Wakunaga / Kyo-Dophilus® Multi 9 Probiotic  
custom probiotics / d-lactate free probiotics powder  
UltraFlora® Restore  
Microbiome Labs / MEGA Genesis  
Ombre / Endless Energy  
Jetson / FIT  
Nature's Bounty / Acidophilus Probiotic  
solgar / advanced 40+ acidophilus  
bioglan (au) / healthy kids probiotic choc balls 50s  
spain (es) / reuteri gotas  
wakamoto (jp) / wakamoto pharmaceutical intestinal drug  
custom probiotics / five strain bifidobacteria  
optibac / saccharomyces boulardii  
Bromatech (IT) / Bifiselle  
BioGaia / BioGaia Products  
blackmore (au) / probiotics+ womens flora balance  
SuperSmart / Lactobacillus reuteri  
Microbiome Plus+™ Gastrointestinal  
bravo europe / freeze-dried bravo  
spain (es) / profaes4 viajeros  
goodbelly drink  
Schiff® Digestive Advantage® Advanced Probiotics Multi-Strain Support  
Microbiome Labs / ZENBIOME Dual  
canada (ca) / calmbiotic  
Bulk Probiotics / L. Casei Probiotic Powder (Candida Support)  
anabolic laboratories / probiotic complete  
jarrow formulas / jarro-dophilus mood  
SuperSmart / Saccharomyces Boulardii  
spain (es) / profaes4 edad escolar  
HMF Forte  
optibac / bifidobacteria & fibre  
nature's way (au) / restore probiotic choc balls 60s  
Sanogermina / AB-Kolicare  
CustomProbiotics.com / L. Reuteri Probiotic Powder  
Bromatech (IT) / Milonet  
Schwabe Pharma Italia / AxiBoulardi  
PharmExtracta (IT) / INatal Sachets  
Probiotic Sticks  
UltraFlora® Intensive Care  
spain (es) / axiboulardi  
SuperSmart / H. Pylori Fight  
HMF IBS Relief  
BioGaia / BioGaia Osfortis  
Wakunaga / Pro+ Synbiotic  
jarrow formulas / fem-dophilus®  
speer labs / emuaid first defense  
solgar / advanced acidophilus plus  
UltraFlora® Immune Booster  
Nutrition Essentials / Probiotic (900 BCFU)

RepHresh /Pro-B Probiotic Supplement for Women  
Ombre / Harmony  
CustomProbiotics.com / L. Plantarum Probiotic Powder  
PoolPharma (IT) / ProbioTKMIO  
Wakunaga / 50+  
PharmExtracta (IT) / Gliadines buccal stickpacks  
klair labs / ther-biotic factor 4  
Wakunaga / Daily Probiotic  
InnovixLabs / Mood Probiotic  
optibac / for every day max  
spain (es) / ultralevura  
spain (es) / casenbiotic  
FloraVantage® Balance  
ImmuneBiotech Medical Sweden AB / GutMagnific®  
organic 3 / yeastbiotic  
Nu U (uk) /Bio-Cultures Complex  
biospec / probiotio-5  
Eden's / 3-in-1 Synbiotic Superblend  
Bromatech (IT) / Ramnoselle  
Floradapt Cardio  
optibac / for women  
quality health (au) / fridge free\* probiotic 60s  
naturopathica (au)/ gastrohealth probiotic daily care  
Bulk Probiotics / Saccharomyces boulardii Probiotic Powder (Digestive Support)  
nature's instincts / ultra spore probiotic  
Biorela® Daily  
Bulk Probiotics / L. Acidophilus Probiotic Powder  
gnc / ultra probiotic complex  
PrecisionBiotics / Immune  
trubiotics / one a day  
Maple Life Science™ / Lactobacillus plantarum  
Bulk Probiotics / L. Reuteri Probiotic Powder  
natren / healthy trinity probiotic  
Purica Probiotic Cardio  
Maple Life Science™ / Lactobacillus reuteri  
Genesis Bifidobacterium Complex BB Probiotic  
spain (es) / gum periobalance  
CustomProbiotics.com / B. Longum Probiotic Powder  
HLH BIOPHARMA(DE) / LACTOBACT ® LDL-CONTROL  
powerlabs (au) / ultra blend

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

## Substance to Consider Reducing or Eliminating

These are the most significant substances have been identified as probably contributing to the microbiome dysfunction.

In some cases blood work may show low levels of some vitamins, etc. listed below. This may be due to *greedy* bacteria reported at a high level above. Viewing bacteria data on the Kyoto Encyclopedia of Genes and Genomes (<https://www.kegg.jp/>) may provide better insight on the course of action to take.

2H-1?6,2-benzothiazol-1,1,3-trione {Saccharin}

amikacin

amoxicillin [CFS]

ampicillin [CFS]

Azadirachta indica {Neem}

benzylpenicillin sodium (antibiotic)

Cinnamomum zeylanicum {Ceylon Cinnamon}

ciprofloxacin [CFS]

clarithromycin [CFS]

clindamycin [CFS]

doxycycline [CFS]

gentamicin

glycyrrhizic acid {licorice}

imipenem

meropenem

metronidazole [CFS]

piperacillin-tazobactam

Propolis {Bee glue}

Punica granatum {pomegranate}

rifaximin

syzygium aromaticum {clove}

tetracycline

Thymus vulgaris {thyme}

tobramycin

trimethoprim

vancomycin (antibiotic)[CFS]

Zingiber officinale Roscoe {ginger}

## Sample of Literature Used

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

[Gut microbiome and atrial fibrillation: mechanistic insights metabolites and comorbidities. Systematic review.](#)

**Gut microbes** , Volume: 17 Issue: 1 2025 Dec 31

Authors Gawalko M,Kociemba W,Sanders P,Linz D

[Anti-Porphyromonas gingivalis Antibody Levels in Patients With Stroke and Atrial Fibrillation: A Systematic Review and Meta-Analysis.](#)

**Clinical and experimental dental research** , Volume: 10 Issue: 6 2024 Dec

Authors Cannavo A,Babajani N,Saeedian B,Ghondaghsaz E,Rengo S,Khalaji A,Behnoush AH

[Changes of Intestinal Flora in Patients with Atrial Fibrillation and Its Correlation with Cardiovascular Risk Factors.](#)

**Reviews in cardiovascular medicine** , Volume: 24 Issue: 4 2023 Apr

Authors Chen S,Tu M,Shi J,Hu X

[Risk factors associated with osteomyelitis due to Corynebacterium striatum in patients with diabetic foot.](#)

**Medicina clinica** , Volume: 162 Issue: 1 2024 Jan 12

Authors Bermejo Olano MDM,Campelo Gutierrez C,Hervas Gómez R,Alfayate García JM,Sánchez Ríos JP,Moreno Núñez L

[Roles of gut microbiota in atrial fibrillation: insights from Mendelian randomization analysis and genetic data from over 430,000 cohort study participants.](#)

**Cardiovascular diabetology** , Volume: 22 Issue: 1 2023 Nov 8

Authors Dai H,Hou T,Wang Q,Hou Y,Zhu Z,Zhu Y,Zhao Z,Li M,Lin H,Wang S,Zheng R,Xu Y,Lu J,Wang T,Ning G,Wang W,Zheng J,Bi Y,Xu M

[The correlation between gut microbiome and atrial fibrillation: pathophysiology and therapeutic perspectives.](#)

**Military Medical Research** , Volume: 10 Issue: 1 2023 Nov 7

Authors Li N,Wang L,Li L,Yang MZ,Wang QX,Bai XW,Gao F,Yuan YQ,Yu ZJ,Ren ZG

[Associations between Plasma Antibody Levels against Porphyromonas gingivalis and Atrial Fibrillation among Community-Dwelling Older Individuals in Japan: A Cross-Sectional Study.](#)

**Oral health & preventive dentistry** , Volume: 21 2023 Oct 20

Authors Hoshino T,Kaneko N,Yoshihara A,Iwasaki M,Suwama K,Ito Y,Tanaka J,Narita I,Ogawa H

[Gut Microbiota and Atrial Fibrillation: Pathogenesis, Mechanisms and Therapies.](#)

**Arrhythmia & electrophysiology review** , Volume: 12 2023

Authors Al-Kaisey AM,Figgett W,Hawson J,Mackay F,Joseph SA,Kalman JM

[Gut microbiome and atrial fibrillation-results from a large population-based study.](#)

**EBioMedicine** , Volume: 91 2023 May

Authors Palmu J,Börschel CS,Ortega-Alonso A,Markó L,Inouye M,Jousilahti P,Salido RA,Sanders K,Brennan C,Humphrey GC,Sanders JG,Gutmann F,Linz D,Salomaa V,Havulinna AS,Forslund SK,Knight R,Lahti L,Niiranen T,Schnabel RB

[Is there a link between atrial fibrillation and Helicobacter pylori infections?](#)

**Minerva gastroenterology** , Volume: 70 Issue: 2 2024 Jun

Authors Farah R,Hanna T,Levin G

[GUT MICROBIOTA COMPOSITION AND ITS METABOLITES CHANGES IN PATIENTS WITH ATHEROSCLEROSIS AND ATRIAL FIBRILLATION.](#)

**Wiadomosci lekarskie (Warsaw, Poland : 1960)** , Volume: 75 Issue: 12 2022

Authors Melnychuk I,Lizogub VG

[Association between Gut Microbiota Dysbiosis and the CHA2DS2-VASc Score in Atrial Fibrillation Patients.](#)

**International journal of clinical practice** , Volume: 2022 2022

Authors Fang C,Zuo K,Zhang W,Zhong J,Li J,Xu L,Yang X

[Porphyromonas gingivalis and left atrial appendage spontaneous echo contrast in atrial fibrillation ablation candidates.](#)

**Heart and vessels** , Volume: 36 Issue: 11 2021 Nov

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cdkl5 deficiency disorder  
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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  
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erectile dysfunction  
Fibromyalgia  
Food Allergy  
Functional constipation / chronic idiopathic constipation  
gallstone disease (gsd)  
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus  
Generalized anxiety disorder  
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Gout  
Graves' disease  
Gulf War Syndrome  
Halitosis  
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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)  
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Obesity  
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**Systemic Lupus Erythematosus**

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