Microbiome Information for: Schizophrenia

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

A Microbiome Analysis Company

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Our Facebook Discussion Page

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Schizophrenia

Nota Bena: **Many studies are done with a small sample size or mixtures of condition subsets which can greatly diminish the ability to detect bacteria shifts.**

Bacteria Name	Rank	Shift	Taxonomy ID
Actinomycetes	class	High	1760
Bacteroidia	class	High	200643
Clostridia	class	High	186801
Deltaproteobacteria	class	High	28221
Alcaligenaceae	family	Low	506
Bifidobacteriaceae	family	Low	31953
Christensenellaceae	family	High	990719
Enterobacteriaceae	family	Low	543
Enterococcaceae	family	Low	81852
Lachnospiraceae	family	High	186803
Leuconostocaceae	family	Low	81850
Peptostreptococcaceae	family	High	186804
Prevotellaceae	family	High	171552
Rhodocyclaceae	family	Low	75787
Rikenellaceae	family	Low	171550
Ruminococcaceae	family	High	541000
Sphingomonadaceae	family	High	41297
Veillonellaceae	family	Low	31977
Actinomyces	genus	High	1654
Adlercreutzia	genus	Low	447020
Anaerococcus	genus	High	165779
Anaerofustis	genus	High	264995
Anaerostipes	genus	Low	207244
Anaerotruncus	genus	High	244127
Atopobium	genus	High	1380
Bacteroides	genus	High	816
Bilophila	genus	High	35832
Blautia	genus	Low	572511
Candidatus Epulonipiscium	genus	High	2383
Candidatus Saccharimonas	genus	Low	1331051
Collinsella	genus	High	102106
Comamonas	genus	High	283
Corynebacterium	genus	High	1716
Desulfovibrio	genus	High	872
Eggerthella	genus	High	84111
Enterococcus	genus	Low	1350
Eubacterium	genus	High	1730
Faecalibacterium	genus	Low	216851
Flavonifractor	genus	High	946234
Haemophilus	genus	Low	724
Holdemania	genus	High	61170
Intestinibacter	genus	High	1505657
Klebsiella	genus	High	570
Lachnoclostridium	genus	High	1506553
Lachnospira	genus	High	28050
Lactobacillus	genus	High	1578
Lactonifactor	genus	High	420345
Megasphaera	genus	High	906
Methanobrevibacter	genus	High	2172
Mogibacterium	genus	High	86331
Morganella	genus	High	90690
Morganella	genus	High	108061
Morganella	genus	High	581
Odoribacter	genus	High	283168
Parabacteroides	genus	High	375288
Roseburia	genus	Low	841
Solobacterium	genus	High	123375
Succinivibrio	genus	High	83770
Sutterella	genus	Low	40544
Turicibacter	genus	High	191303
Actinomycetales	order	High	2037
Bacteroidales	order	High	171549
Bifidobacteriales	order	Low	85004
Eubacteriales	order	High	186802
Rhodocyclales	order	Low	206389
Sphingomonadales	order	High	204457
[Clostridium] symbiosum	species	High	1512
[Eubacterium] siraeum	species	High	39492
Akkermansia muciniphila	species	High	239935
Alkaliphilus oremlandii	species	High	461876
Anaerobutyricum hallii	species	High	39488
Bacteroides uniformis	species	High	820
Bifidobacterium adolescentis	species	High	1680
Bifidobacterium longum	species	High	216816
Clostridium perfringens	species	High	1502
Cronobacter sakazakii	species	High	28141
Cronobacter turicensis	species	High	413502
Enterococcus faecium	species	High	1352
Lactobacillus gasseri	species	High	1596
Phocaeicola plebeius	species	High	310297
Streptococcus vestibularis	species	High	1343
Veillonella parvula	species	High	29466

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.

arabinogalactan (prebiotic) 21 gram/day
bacillus subtilis (probiotics) 10 BCFU/day
barley 60 gram/day
berberine 1.5 gram/day
Conjugated Linoleic Acid
Dangshen
fasting
fructo-oligosaccharides (prebiotic) 15 gram/day
Human milk oligosaccharides (prebiotic, Holigos, Stachyose) 2 gram/day
inulin (prebiotic) 32 gram/day
ketogenic diet
lactobacillus acidophilus (probiotics) 20 BCFU/day
Lactobacillus Johnsonii (probiotic) 10 BCFU/day
lactobacillus plantarum (probiotics) 60 BCFU/day
lactobacillus reuteri (probiotics) 22 BCFU/day
Limosilactobacillus fermentum (probiotic) 12 BCFU/day
metformin (prescription)
Moringa Oleifera
non-starch polysaccharides
pomegranate 1 gram/day
quercetin 2 gram/day
resistant starch
resveratrol (grape seed/polyphenols/red wine) 2 gram/day
Slippery Elm
triphala 9000 mg/day
vitamin d 50000 UI/day
wheat bran

Retail Probiotics

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

Global Healing Center / FloraTrex
SuperSmart / Full Spectrum Probiotic Formula
vita miracle / ultra-30 probiotics
Garden of Life / Dr. Formulated Once Daily Women's
hyperbiotics / pro-15
nature's way (au) / restore probiotic 100 billion
seed / male version
Bio Schwartz / Advance Strength Probiotics (40 BCFU)
Physician Choice /60 Billion Probiotics
naturopathica (au) / gastrohealth probiotic dairy free 50 billion
seed / female version
naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu
nature's way (au) /restore probiotic bowel & colon health 30s
garden of life / primal defense
Jetson / FIT
Realdose
bioray / cytoflora
probiotic pur (de) / realdose nutrition
theramedix / probiotic
newrhythm / probiotics 20 stains
Advanced Bio-Cultures / Advance Multi Strain Probiotics
elixa / probiotic
LiveWell Nutrition / Pro-45
Jetson (US) / Immunity Probiotics
spain (es) / vivomixx
SuperSmart / Candalb
custom probiotics / four strain lactobacilli
naturopathica (au) /gastrohealth probiotic ultimate daily care 100billion
udo's choice /super 8 gold
zint nutrition / probiotic collagen +
blackmores (au) / probiotics + adults daily (90 capsules)
Lake Avenue Nutrition / Probiotics 10 Strain Blend
Bromatech (IT) / Rotanelle plus
Winclove Probiotics / Ecologic®825
ASEA VIA / BIOME
HLH BIOPHARMA(DE) / LACTOBACT ® METABOLIC
jarrow formula / jarro-dophilus original
Wholesome Wellness / Raw Probiotic
nature's way (au) / restore probiotic daily health 90s
Bromatech(IT) / FEMELLE
renew life / ultimate flora
up4 / ultra
jarrow formulas / bifidus balance® + fos
ProbioMax® Daily DF
bioglan bio (au) / happy probiotic 100
Bromatech (IT) / Psicobrain
douglas laboratories / multi probiotic 40 billion
renew life men's probiotic - ultimate
ferring / vsl#3
Resbiotic /resB® Lung Support
optibac / for every day
naturopathica (au) / gastrohealth fibrepro
7 AM Ultra Probiotics
Schwabe Pharma Italia / EnteroDophilus

quantum wellness / restora flora
Probiotic 10 Billion Active Cells Daily Maintenance
up4 / adult
visbiome
Thryve L.PCasei Th1, L.PCasei Th2,L.Ferm IBF1, L.acidoph
Bromatech (IT) / Lautoselle
HMF Metabolic
blackmores (au) / probiotics+ immune defence
jarrow formulas / jarro-dophilus® ultra
custom probiotics / six strain probiotic powder
Symprove™
SuperSmart / Probio Forte
jarrow formula / ideal bowel support® lp299v®
Thryve Inside/ L.Reu,Rham,Casi; B.Lactis
Swiss BioEnergetics / Full Spectrum Probiotic Defence
Northwest Natural Products / PB8
organic 3 / primal gut
Physis / Advance Probiotics
blackmore (au) / probiotics+ daily health
OMNi-BiOTiC®/ TRAVEL
nature's way (au) / restore probiotic 30 billion 30s
solaray / mycrobiome probiotic colon formula
NaturalPharma / Profit Probiotics
Dr. Mercola / Complete Probiotics
vinco / probiotic eight 65
Ombre / Healthy Gut
ISCON Elegance/ Ochek Capsule 10
1 md / complete probiotics platinum
OMNi-BiOTiC®/ 10 AAD
up4 /women's
young living/life 9
Bromatech (IT) / Adomelle
nature's bounty / probioti 10
Bioflora(MX) / Woman
fairvital / microflora basic
naturopathica (au) / gastrohealth women’s probiotic with cranberry
Wakunaga / Max Probiotic
MegaFood / MegaFlora
Invivo / Bio.Me Femme UT
blackmore (au) / probiotics+ bowel support
Bromatech (IT) / Milonet
Ombre / Metabolic Booster
lifted naturals / mood boosting probiotic
bioglan bio (au) / happy probiotic 50
powerlabs (au) / ultra blend
HLH BIOPHARMA(DE) / LACTOBACT ® LDL-CONTROL
cytoplan(uk) /dentavital bifidophilus
optibac / for women
Pädia GmbH (DE)/Mambiotic Kapseln
quality health (au) / fridge free* probiotic 60s
perfect pass / perfect pass probiotic bacillus spore
CustomProbiotics.com / L. Reuteri Probiotic Powder
microbiome labs /hu58
anabolic laboratories / probiotic complete
spain (es) / profaes4 edad escolar
BioGaia / Elactia
Energybalance / ColoBiotica 28 Colon Support
mwsb / candida yeast support

microbiome labs/ megasporebiotic
optibac / bifidobacteria & fibre
nature's way (au) / restore probiotic choc balls 60s
klaire labs / biospora
Bromatech / ENTERELLE PLUS
SuperSmart / Derma Relief
HMF Forte
RepHresh /Pro-B Probiotic Supplement for Women
Ombre / Harmony
UltraFlora® Immune Booster
Nutrition Essentials / Probiotic (900 BCFU)
just for tummies / live bacteria
nature's instincts / ultra spore probiotic
Biorela® Daily
spain (es) / lactanza hereditum
gnc / ultra probiotic complex
NOW FOODS / Clinical GI Probiotic
natren / healthy trinity probiotic
Purica Probiotic Cardio
ecology_allergycare
Maple Life Science™ / Lactobacillus reuteri
spain (es) / gum periobalance
trubiotics / one a day
Maple Life Science™ / Lactobacillus plantarum
SuperSmart / H. Pylori Fight
Law of Nature / Best Days Formula
HMF IBS Relief
BioGaia / BioGaia Osfortis
jarrow formulas / fem-dophilus®
speer labs / emuaid first defense
global health trax / threelac
solgar / advanced acidophilus plus
Bromatech (IT) / Ramnoselle
bio-botanical research / proflora4r restorative probiotic
Floradapt Cardio
HLH BIOPHARMA(DE) / LACTOBACT ® OMNI FOS
UltraFlora® Intensive Care
solgar / advanced 40+ acidophilus
spain (es) / reuteri gotas
HLH BIOPHARMA(DE) / LACTOBACT ® 60PLUS
BioGaia / BioGaia Products
organic 3 / gutpro
blackmore (au) / probiotics+ womens flora balance
SuperSmart / Lactobacillus reuteri
Microbiome Plus+™ Gastrointestinal
bravo europe / freeze-dried bravo
spain (es) / profaes4 viajeros
goodbelly drink
enviromedica terraflora sbo probiotic
Schiff® Digestive Advantage® Advanced Probiotics Multi-Strain Support
Jetson (US) / Mood Probiotics
Ombre / Heart Health
Maple Life Science™ / Lactobacillus fermentum
optibac / for every day max
Reduz melasma / Lactobacillus Johnsonii
Bromatech (IT) / Citogenex
spain (es) / casenbiotic
FloraVantage® Balance

ImmuneBiotech Medical Sweden AB / GutMagnific®
CustomProbiotics.com / L. Plantarum Probiotic Powder
SuperSmart / Oral Health
CVSHealth / Daily Probiotic
Bromatech (IT) / Serobiome
Nu U (uk) /Bio-Cultures Complex
biospec / probiotic-5
corebiotic
Bioflora (MX) / BIOFLORAMX / 50 BILLION 10 Strains
bioglan bio (au/ happy probiotic 25
klaire labs / target gb-x
Materna® Opti-Lac® Breast Feeding Support
jarrow formulas / jarro-dophilus eps
Ombre / Restore
Bromatech (IT) / Acronelle
spain (es) / gastrus
spain (es) / l3.1
jamieson (can) / probiotic 10 bcfu
optibac / for those on antibiotics
shin biofermin (jp) /s
Good Start® by Gerber® Breastfeeding Comfort Plus Probiotics
UltraFlora® Restore
Microbiome Labs / MEGA Genesis
Sash Vitality /Bio-Cultures Probiotics for Adults
blackmore (au) / probiotics+ eczema relief
Metabolics / Lactobacillus Acidophilus
SuperSmart / Vaginal Health
bioglan (au) / healthy kids probiotic choc balls 50s
Prescript-Assist®/SBO Probiotic
Seeking Health / Probiota HistaminX
Nature's Bounty / Acidophilus Probiotic
bravo europe / starter and complex
Ombre / Mood Enhancer
spain (es) / aquilea intimus
Maple Life Science™ / Lactobacillus Johnsonii
BIO-BOTANICAL RESEARCH / Megacidin
reserveage nutrition / beautiflora
amy meyers / primal earth probiotic
Jetson / Gut Prep
UltraFlora® Balance
HLH BIOPHARMA(DE) / LACTOBACT ® AAD
naturopathica (au) / gastrohealth probiotic adults 50+
HMF Intensive
Nature's Lab Intensive GI
SuperSmart / Lactoxira
SuperSmart / Lactobacillus Plantarum Postbiotic (Pasturerized)
JGL / Lactogyn
organic 3 / primal soil
Floradapt Gut Comfort
SuperSmart / Bacillus Subtilis
bayer / trubiotics daily probiotic
Bromatech (IT) / Enterelle
Bioflora (Mx) / BIOFLORA / 30 BILLION 10 strains
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

HLH BIOPHARMA(DE) / LACTOBACT ® PREMIUM
bio-k+
aor / probiotic-3
vitamin angels / just thrive
solgar / advanced multi-billion dophilus
PharmExtracta (IT) / FG5 Forte In Sachets
Immune Defense Daily Chewable Probiotic
fürstenmed / lacto-bifido
natren / megadophilus
VSL Pharmaceuticals / Oxadrop
Bromatech (IT) / Pilorex
Smidge /Sensitive Probiotic
Botica Alternativa / Lactobacilos Reuteri
Krauterhaus / Lactopro
microbiome labs / restorflora
Bromatech (IT) / Aflugenex
genestra brands® hm
Metabolics / Lactobacillus Plantarum Powder
Nature's Lab Cardio
Ombre / Ultimate Immunity
reg'activ / immune & vitality
INVIVO THERAPEUTICS / Bio.Me IB +

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

Substance to Consider Reducing or Eliminating

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

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

alexidine dihydrochloride
amoxicillin (antibiotic)s[CFS]
aprepitant,(prescription)
asenapine maleate,(prescription)
auranofin,(prescription)
azithromycin,(antibiotic)s[CFS]
azlocillin sodium salt (antibiotic)
bacampicillin hydrochloride (antibiotic)
bacitracin (antibiotic)
benfluorex hydrochloride,(prescription)
benzathine benzylpenicillin (antibiotic)
benzethonium chloride
benzylpenicillin sodium (antibiotic)
bepridil hydrochloride,(prescription)
carbadox,(prescription)
cefazolin sodium salt (antibiotic)
cefdinir (antibiotic)
cefepime hydrochloride (antibiotic)
cefixime (antibiotic)
cefmetazole sodium salt (antibiotic)
cefoperazone dihydrate (antibiotic)
ceforanide (antibiotic)
cefotaxime sodium salt (antibiotic)
cefotetan (antibiotic)
cefotiam hydrochloride (antibiotic)
Cefoxitin sodium salt
ceftazidime (antibiotic)s
cefuroxime sodium salt (antibiotic)
cephalothin sodium salt (antibiotic)
chloramphenicol (antibiotic)s
chlorhexidine
chloroxine (antibiotic)
chlorprothixene hydrochloride,(prescription)
Chlortetracycline hydrochloride
ciprofloxacin (antibiotic)s[CFS]
clarithromycin (antibiotic)s[CFS]
clemizole hydrochloride,(prescription)
clinafloxacin (antibiotic)
clindamycin (antibiotic)s[CFS]
closantel,(prescription)
clotrimazole,(prescription)
cyclobenzaprine hydrochloride,(prescription)
daunorubicin hydrochloride,(prescription)
Demeclocycline hydrochloride
dequalinium dichloride
diacerein,(prescription)
dicloxacillin sodium salt hydrate (antibiotic)
dirithromycin (antibiotic)
doxorubicin hydrochloride,(prescription)
doxycycline (antibiotic)s[CFS]
lincomycin (antibiotic)s
linezolid (antibiotic)
lomefloxacin hydrochloride (antibiotic)
loracarbef (antibiotic)
lymecycline (antibiotic)[CFS]
Meclocycline sulfosalicylate
meclozine dihydrochloride,(prescription)
merbromin
meropenem (antibiotic)s
Methacycline hydrochloride
methiothepin maleate,(prescription)
methyl benzethonium chloride
metronidazole (antibiotic)s[CFS]
minocycline (antibiotic)s[CFS]
monensin sodium salt,(prescription)
moxalactam disodium salt (antibiotic)
moxifloxacin (antibiotic)
nadifloxacin (antibiotic)
nafcillin sodium salt monohydrate (antibiotic)
niclosamide,(prescription)
nifuroxazide (antibiotic)
nifurtimox,(prescription)
niridazole,(prescription)
nitrofural,(prescription)
nitrofurantoin (antibiotic)
norcyclobenzaprine,(prescription)
norfloxacin (antibiotic)s
novobiocin sodium salt,(prescription)
ornidazole (antibiotic)s
oxethazaine,(prescription)
oxytetracycline dihydrate (antibiotic)
pefloxacine (antibiotic)
pentamidine isethionate,(prescription)
perphenazine,(prescription)
phenethicillin potassium salt (antibiotic)
pimethixene maleate,(prescription)
pioglitazone,(prescription)
piperacillin-tazobactam (antibiotic)s
pivampicillin (antibiotic)
proadifen hydrochloride non-drug
pyrimethamine,(prescription)
ribostamycin sulfate salt (antibiotic)
Rifabutin
rifampicin (antibiotic)s
rifapentine (antibiotic)
roxithromycin (antibiotic)s
sarafloxacin (antibiotic)
secnidazole,(prescription)
sparfloxacin (antibiotic)
spectinomycin dihydrochloride (antibiotic)

ebselen non-drug
eburnamonine (-),(prescription)
erythromycin (antibiotic)s[CFS]
ethoxyquin non-drug
florfenicol
flucloxacillin sodium (antibiotic)
flumequine (antibiotic)
furaltadone hydrochloride,(prescription)
furazolidone (antibiotic)
fusidic acid sodium salt (antibiotic)
gatifloxacin (antibiotic)
gluten-free diet
hexachlorophene
high-fat diets
homochlorcyclizine dihydrochloride,(prescription)
hycanthone,(prescription)
ibutilide fumarate,(prescription)
imipenem (antibiotic)s
isoconazole,(prescription)
josamycin (antibiotic)
spiramycin (antibiotic)
sucralose
talampicillin hydrochloride (antibiotic)
terfenadine,(prescription)
tetracycline (antibiotic)s
thiamphenicol (antibiotic)
thimerosal (mercury vacine perservative)
thiostrepton,(prescription)
thonzonium bromide,(pharmacological additive)
ticarcillin sodium (antibiotic)
tinidazole (antibiotic)
tioconazole,(prescription)
tobramycin (antibiotic)s
tolfenamic acid,(prescription)
Tosufloxacin hydrochloride
trimethoprim (antibiotic)s
troleandomycin (antibiotic)
tylosin,(prescription)
vancomycin (antibiotic)[CFS]
zafirlukast,(prescription)
zuclopenthixol dihydrochloride,(prescription)

Sample of Literature Used

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

Gut microbial signatures and differences in bipolar disorder and schizophrenia of emerging adulthood.
CNS neuroscience & therapeutics , 2022 Dec 5
Authors Chen YH,Zhou CH,Yu H,Wu WJ,Wang YW,Liu L,Hu GT,Li BJ,Peng ZW,Wang HN

Gut microbial biomarkers for the treatment response in first-episode, drug-naïve schizophrenia: a 24-week follow-up study.
Translational psychiatry , Volume: 11 Issue: 1 2021 Aug 10
Authors Yuan X,Wang Y,Li X,Jiang J,Kang Y,Pang L,Zhang P,Li A,Lv L,Andreassen OA,Fan X,Hu S,Song X

Gut microbiome in Schizophrenia: Altered functional pathways related to immune modulation and atherosclerotic risk.
Brain, behavior, and immunity , Volume: 91 2021 Jan
Authors Nguyen TT,Kosciolek T,Daly RE,Vázquez-Baeza Y,Swafford A,Knight R,Jeste DV

Profiling the differences of gut microbial structure between schizophrenia patients with and without violent behaviors based on 16S rRNA gene sequencing.
International journal of legal medicine , Volume: 135 Issue: 1 2021 Jan
Authors Chen X,Xu J,Wang H,Luo J,Wang Z,Chen G,Jiang D,Cao R,Huang H,Luo D,Xiao X,Hu J

Associations between gut microbiota and Alzheimer`s disease, major depressive disorder, and schizophrenia.
Journal of neuroinflammation , Volume: 17 Issue: 1 2020 Oct 2
Authors Zhuang Z,Yang R,Wang W,Qi L,Huang T

Altered gut microbiota associated with symptom severity in schizophrenia.
PeerJ , Volume: 8 2020
Authors Li S,Zhuo M,Huang X,Huang Y,Zhou J,Xiong D,Li J,Liu Y,Pan Z,Li H,Chen J,Li X,Xiang Z,Wu F,Wu K

Analysis of the diversity of intestinal microbiome and its potential value as a biomarker in patients with schizophrenia: A cohort study.
Psychiatry research , Volume: 291 2020 Sep
Authors Pan R,Zhang X,Gao J,Yi W,Wei Q,Su H

The oropharyngeal microbiome is altered in individuals with schizophrenia and mania.
Schizophrenia research , 2020 Apr 23
Authors Yolken R,Prandovszky E,Severance EG,Hatfield G,Dickerson F

Metagenome-wide association of gut microbiome features for schizophrenia.
Nature communications , Volume: 11 Issue: 1 2020 Mar 31
Authors Zhu F,Ju Y,Wang W,Wang Q,Guo R,Ma Q,Sun Q,Fan Y,Xie Y,Yang Z,Jie Z,Zhao B,Xiao L,Yang L,Zhang T,Feng J,Guo L,He X,Chen Y,Chen C,Gao C,Xu X,Yang H,Wang J,Dang Y,Madsen L,Brix S,Kristiansen K,Jia H,Ma X

Altered gut microbiota and mucosal immunity in patients with schizophrenia.
Brain, behavior, and immunity , Volume: 85 2020 Mar
Authors Xu R,Wu B,Liang J,He F,Gu W,Li K,Luo Y,Chen J,Gao Y,Wu Z,Wang Y,Zhou W,Wang M

Identifying psychiatric disorder-associated gut microbiota using microbiota-related gene set enrichment analysis.
Briefings in bioinformatics , 2019 Apr 5
Authors Cheng S,Han B,Ding M,Wen Y,Ma M,Zhang L,Qi X,Cheng B,Li P,Kafle OP,Liang X,Liu L,Du Y,Zhao Y,Zhang F

Differences in gut microbiome composition between persons with chronic schizophrenia and healthy comparison subjects.
Schizophrenia research , 2018 Sep 26
Authors Nguyen TT,Kosciolek T,Maldonado Y,Daly RE,Martin AS,McDonald D,Knight R,Jeste DV

Analysis of gut microbiota diversity and auxiliary diagnosis as a biomarker in patients with schizophrenia: A cross-sectional study.
Schizophrenia research , Volume: 197 2018 Jul
Authors Shen Y,Xu J,Li Z,Huang Y,Yuan Y,Wang J,Zhang M,Hu S,Liang Y

The role of microbiota in the pathogenesis of schizophrenia and major depressive disorder and the possibility of targeting microbiota as a treatment option
Oncotarget , Volume: 8 Issue: 59 2017 Sep 27
Authors Lv F,Chen S,Wang L,Jiang R,Tian H,Li J,Yao Y,Zhuo C

Composition, taxonomy and functional diversity of the oropharynx microbiome in individuals with schizophrenia and controls.
PeerJ , Volume: 3 2015
Authors Castro-Nallar E,Bendall ML,Pérez-Losada M,Sabuncyan S,Severance EG,Dickerson FB,Schroeder JR,Yolken RH,Crandall KA

Administering Lactiplantibacillus fermentum F6 decreases intestinal Akkermansia muciniphila in a dextran sulfate sodium-induced rat colitis model.

Food & function , 2024 May 10
Authors He Q,Zhang T,Zhang W,Feng C,Kwok LY,Zhang H,Sun Z
Antitumor Effect and Gut Microbiota Modulation by Quercetin, Luteolin, and Xanthohumol in a Rat Model for Colorectal Cancer Prevention.
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Acne
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Age-Related Macular Degeneration and Glaucoma
Allergic Rhinitis (Hay Fever)
Allergies
Allergy to milk products
Alopecia (Hair Loss)
Alzheimer's disease
Amyotrophic lateral sclerosis (ALS) Motor Neuron
Ankylosing spondylitis
Anorexia Nervosa
Antiphospholipid syndrome (APS)
Asthma
Atherosclerosis
Atrial fibrillation
Autism
Autoimmune Disease
Barrett esophagus cancer
benign prostatic hyperplasia
Bipolar Disorder
Brain Trauma
Breast Cancer
Cancer (General)
Carcinoma
cdkl5 deficiency disorder
Celiac Disease
Cerebral Palsy
Chronic Fatigue Syndrome
Chronic Kidney Disease

Chronic Lyme
Chronic Obstructive Pulmonary Disease (COPD)
Chronic Urticaria (Hives)
Coagulation / Micro clot triggering bacteria
Colorectal Cancer
Constipation
Coronary artery disease
COVID-19
Crohn's Disease
cystic fibrosis
deep vein thrombosis
Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy
erectile dysfunction
Fibromyalgia
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus
Generalized anxiety disorder
giant cell arteritis
Glioblastoma
Gout
Graves' disease
Halitosis
Hashimoto's thyroiditis
Heart Failure
Hemorrhoidal disease, Hemorrhoids, Piles
Hidradenitis Suppurativa
Histamine Issues
hypercholesterolemia (High Cholesterol)
hyperglycemia
Hyperlipidemia (High Blood Fats)
hypersomnia
hypertension (High Blood Pressure
Hypothyroidism
Hypoxia
IgA nephropathy (IgAN)
Inflammatory Bowel Disease
Insomnia
Intelligence
Intracranial aneurysms
Irritable Bowel Syndrome
Juvenile idiopathic arthritis
Liver Cirrhosis
Long COVID
Low bone mineral density
Lung Cancer
Mast Cell Issues / mastitis
ME/CFS with IBS
ME/CFS without IBS
membranous nephropathy
Menopause
Metabolic Syndrome
Mood Disorders

multiple chemical sensitivity [MCS]
Multiple Sclerosis
Multiple system atrophy (MSA)
myasthenia gravis
neuropathic pain
Neuropathy (all types)
neuropsychiatric disorders (PANDAS, PANS)
Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic
NonCeliac Gluten Sensitivity
Obesity
obsessive-compulsive disorder
Osteoarthritis
Osteoporosis
pancreatic cancer
Parkinson's Disease
Polycystic ovary syndrome
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder
primary biliary cholangitis
Psoriasis
rheumatoid arthritis (RA),Spondyloarthritis (SpA)
Rosacea
Schizophrenia
scoliosis
sensorineural hearing loss
Sjögren syndrome
Sleep Apnea
Small Intestinal Bacterial Overgrowth (SIBO)
Stress / posttraumatic stress disorder
Systemic Lupus Erythematosus
Tic Disorder
Tourette syndrome
Type 1 Diabetes
Type 2 Diabetes
Ulcerative colitis
Unhealthy Ageing