

Microbiome Information for: Breast Cancer

For prescribing Medical professionals Review

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

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

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

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

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

In the USA

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

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

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

Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

892 Lake Samish Rd, Bellingham WA 98229

Email: Research@MicrobiomePrescription.com

[Our Facebook Discussion Page](#)

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Breast Cancer

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

Bacteria Name	Rank Shift	Taxonomy ID	Bacteria Name	Rank Shift	Taxonomy ID
Christensenellaceae	family Low	990719	Romboutsia	genus Low	1501226
Acidaminococcus	genus High	904	Tyzzarella	genus High	1506577
Anaerofilum	genus Low	52784	Candidatus Gastranaerophilales	order Low	1906119
Dialister	genus Low	39948	Coriobacteriales	order Low	84999
Hungatella	genus High	1649459	Flavobacteriales	order Low	200644

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.

Alpha-Ketoglutarate	
banana	
barley,oat	
berberine	1.5 gram/day
bifidobacterium bifidum (probiotics)	1 BCFU/day
bifonazole,(prescription)	
bile (acid/salts)	
butoconazole nitrate,(prescription)	
Carthamus tinctorius L,Safflower	
ceftazidime (antibiotic)s	
chrysanthemum morifolium	
clotrimazole,(prescription)	
cranberry bean flour	
enterococcus faecium (probiotic)	1 BCFU/day
etoposide,(prescription)	
Fiber, total dietary	
Fisetin	20 mg/day
florfenicol	
florfenicol (antibiotic)s	
foeniculum vulgare,fennel	
fructo-oligosaccharides (prebiotic)	15 gram/day
fruit/legume fibre	
GABA	6 gram/day
gallate (food additive)	
ginger	
Goji (berry,juice)	
helminth infection (prescription)	
high sugar diet	
high-fat diets	
Human milk oligosaccharides (prebiotic, Holigos, Stachyose)	2 gram/day
hypericin, St. John's Wort	
intesti-bacteriophage	
inulin (prebiotic)	32 gram/day
iron	400 mg/day
jatropha curcas [can be poisonous]	
kombucha	
Krill Oil	4 gram/day
ku ding cha tea	
lactobacillus salivarius (probiotics)	9 BCFU/day
laser trilobum l.,kefe cumin	
L-glutamine	5 gram/day
L-proline	
macrolide ((antibiotic)s)	
mannooligosaccharide (prebiotic)	8 gram/day
moxalactam disodium salt (antibiotic)	
nigella sativa seed (black cumin)	1000 mg/day
omega-3 fatty acids	4 gram/day
oplopanax horridus(Devil's Club)	
oxacillin sodium (antibiotic)	
oxiconazole nitrate,(prescription)	
Psyllium (Plantago Ovata Husk)	6.8 gram/day
rare meat	
Rhodiola rosea (Rosavin)	1360 mg/day
rhubarb	
selenium	400 µg/d
Slippery Elm	
streptomycin (antibiotic)s	
tetracycline (antibiotic)s	
trimethoprim (antibiotic)s	50 mg/d
Ursolic acid	
vegetable/fruit juice-based diets	
vegetarians	
Vitamin B1,thiamine hydrochloride	1.8 gram/day
Vitamin E	60 IU/day
wheat	

Retail Probiotics

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

Physician Choice /60 Billion Probiotics
 OMNI-BIOTIC®/ 10 AAD
 HLH BIOPHARMA(DE) / LACTOBACT ® OMNI FOS
 solaray / microbiome probiotic colon formula
 organic 3 / primal gut
 ecology_allergycare
 hyperbiotics / pro-15
 Dr. Mercola / Complete Probiotics
 Garden of Life / Dr. Formulated Once Daily Women's
 ISCON Elegance/ Ochek Capsule 10
 1 md / complete probiotics platinum
 NOW FOODS / Clinical GI Probiotic
 Physis / Advance Probiotics
 OMNI-BIOTIC®/ TRAVEL
 speer labs / emuaid first defense
 young living/life 9
 MegaFood / MegaFlora
 custom probiotics / six strain probiotic powder
 vita miracle / ultra-30 probiotics
 Nu U (uk) /Bio-Cultures Complex
 blackmores (au) / probiotics+ immune defence
 renew life men's probiotic - ultimate
 SuperSmart / Full Spectrum Probiotic Formula
 quantum wellness / restora flora
 Seeking Health / Probiota HistaminX
 bravo europe / starter and complex
 optibac / for every day
 Northwest Natural Products / PB8
 organic 3 / gutpro
 fürstenmed / lacto-bifido
 Swiss BioEnergetics / Full Spectrum Probiotic Defence
 theramedix / probiotic
 newrhythm / probiotics 20 stains
 Windlove Probiotics / Ecologic®825
 ASEA VIA / BIOME
 Wholesome Wellness / Raw Probiotic
 HLH BIOPHARMA(DE) / LACTOBACT ® METABOLIC
 udo's choice /super 8 gold
 Smidge /Sensitive Probiotic
 LiveWell Nutrition / Pro-45
 elixa / probiotic
 bioray / cytoflora
 renew life / ultimate flora
 Advanced Bio-Cultures / Advance Multi Strain Probiotics
 jarrow formulas / bifidus balance® + fos
 bioglan bio (au) / happy probiotic 100
 SuperSmart / Lactoxira
 douglas laboratories / multi probiotic 40 billion
 Bromatech (IT) / Acronelle
 jamieson (can) / probiotic 10 bcfu
 klaire labs / target gb-x
 naturopathica (au) / gastrohealth fibrepro
 philips / colon health
 Sash Vitality /Bio-Cultures Probiotics for Adults

blackmore (au) / probiotics+ eczema relief
 SuperSmart / Vaginal Health
 7 AM Ultra Probiotics
 shin biofermin (jp) /s
 nature's way (au) /restore probiotic bowel & colon health 30s
 up4 / adult
 HLH BIOPHARMA(DE) / LACTOBACT ® AAD
 customprobiotics.com / B. Bifidum Probiotic Powder
 Bromatech (IT) / Enterelle
 Pharmextracta (IT) / iNatal DUO sachets
 up4 / ultra
 Jetson (US) / Immunity Probiotics
 genestra brands® hm
 Krauterhaus / Lactopro
 nature's way (au) / restore probiotic daily health 90s
 HLH BIOPHARMA(DE) / LACTOBACT ® PREMIUM
 custom probiotics / four strain lactobacilli
 blackmores (au) / probiotics + adults daily (90 capsules)
 Lake Avenue Nutrition / Probiotics 10 Strain Blend
 CustomProbiotics.com / L. Salivarius Probiotic Powder
 bravo europe / freeze-dried bravo
 spain (es) / profaes4 viajeros
 wakamoto (jp) / wakamoto pharmaceutical intestinal drug
 custom probiotics / five strain bifidobacteria
 naturopathica (au) / gastrohealth probiotic dairy free 50 billion
 Thryve Inside/ L.Reu,Rham,Casi; B.Lactis
 Ombre / Endless Energy
 custom probiotics / d-Lactate free probiotics powder
 SuperSmart / Oral Health
 Metabolics / Bifidobacterium Bifidum Powder
 Ombre / Healthy Gut
 biospec / probiotic-5
 HLH BIOPHARMA(DE) / LACTOBACT ® 60PLUS
 Bromatech (IT) / Bifiselle
 HLH BIOPHARMA(DE) / LACTOBACT ® FORTE
 ImmuneBiotech Medical Sweden AB / GutMagnific®
 naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu
 Pharmextracta (IT) / iNatal PED stick
 claire labs / ther-biotic factor 4
 seed / female version
 jarro formulas / jarro-dophilus® ultra
 Invivo / Bio.Me Femme UT
 natren / bifido factor
 PharmExtracta (IT) / INatal Sachets
 Bio Schwartz / Advance Strength Probiotics (40 BCFU)
 Ombre / Metabolic Booster
 nature's bounty / probioti 10
 optibac / bifidobacteria & fibre
 Bromatech / ENTERELLE PLUS
 custom probiotics / b. lactis & b. bifidum probiotic powder
 spain (es) / profaes4 edad escolar
 bioflorin (deu) / bioflorin
 nature's way (au) / restore probiotic 30 billion 30s
 wakamoto (jp) / strong wakamoto w
 Metabolics / Lactobacillus Salivarius Powder
 blackmore (au) / probiotics+ daily health
 natren / healthy trinity probiotic
 Nutrition Essentials / Probiotic (900 BCFU)

vinco / probiotic eight 65

gnc / ultra probiotic complex

Genesis Bifidobacterium Complex BB Probiotic

nature's way (au) / restore probiotic 100 billion

cytoplant(uk) / dentavital bifidophilus

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.

bacillus licheniformis,(probiotics)

bacillus subtilis (probiotics)

Moringa Oleifera

quercetin, resveratrol

resistant starch

resveratrol (grape seed/polyphenols/red wine)

Sample of Literature Used

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

[Ketogenic Diet Has Moderate Effects on the Fecal Microbiota of Wild-Type Mice.](#)

Nutrients , Volume: 15 Issue: 21 2023 Oct 31

Authors Rohwer N,El Hage R,Smyl C,Ocvirk S,Goris T,Grune T,Swidsinski A,Weylandt KH

[Comparing the Influences of Metformin and Berberine on the Intestinal Microbiota of Rats With Nonalcoholic Steatohepatitis.](#)

In vivo (Athens, Greece) , Volume: 37 Issue: 5 2023 Sep-Oct

Authors Chen D,Xiong J,Chen G,Zhang Z,Liu Y,Xu J,Xu H

[Salidroside alleviates dextran sulfate sodium-induced colitis in mice by modulating the gut microbiota.](#)

Food & function , 2023 Jul 28

Authors Liu J,Cai J,Fan P,Dong X,Zhang N,Tai J,Cao Y

[Ursolic acid regulates gut microbiota and corrects the imbalance of Th17/Treg cells in T1DM rats.](#)

PloS one , Volume: 17 Issue: 11 2022

Authors Chen W,Yu Y,Liu Y,Song C,Chen H,Tang C,Song Y,Zhang X

[Dietary ?-Aminobutyric Acid Supplementation Inhibits High-Fat Diet-Induced Hepatic Steatosis via Modulating Gut Microbiota in Broilers.](#)

Microorganisms , Volume: 10 Issue: 7 2022 Jun 24

Authors Chen Q,Hu D,Wu X,Feng Y,Ni Y

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

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

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

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

Frontiers in nutrition , Volume: 9 2022

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

[Effect of Dietary Bacillus licheniformis Supplementation on Growth Performance and Microbiota Diversity of Pekin Ducks.](#)

Frontiers in veterinary science , Volume: 9 2022

Authors Li L,Lv X,Han X,Sun C,An K,Gao W,Xia Z

[Helminth-Induced Human Gastrointestinal Dysbiosis: a Systematic Review and Meta-Analysis Reveals Insights into Altered Taxon Diversity and Microbial Gradient Collapse.](#)

mBio , Volume: 12 Issue: 6 2021 Dec 21

Authors Kupritz J,Angelova A,Nutman TB,Gazzinelli-Guimaraes PH

[Dietary supplementation of gingerols- and shogaols-enriched ginger root extract attenuate pain-associated behaviors while modulating gut microbiota and metabolites in rats with spinal nerve ligation.](#)

The Journal of nutritional biochemistry , 2021 Nov 5

Authors Shen CL,Wang R, Ji G,Elmassry MM,Zabet-Moghaddam M,Vellers H,Hamood AN,Gong X,Mirzaei P,Sang S,Neugebauer V

[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

[Effects of colon-targeted vitamins on the composition and metabolic activity of the human gut microbiome- a pilot study.](#)

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

Authors Pham VT,Fehlbaum S,Seifert N,Richard N,Bruins MJ,Sybesma W,Rehman A,Steinert RE

[Effects of Banana Resistant Starch on the Biochemical Indexes and Intestinal Flora of Obese Rats Induced by a High-Fat Diet and Their Correlation Analysis.](#)

Frontiers in bioengineering and biotechnology , Volume: 9 2021

Authors Fu J,Wang Y,Tan S,Wang J

[Lycium barbarum polysaccharide attenuates myocardial injury in high-fat diet-fed mice through manipulating the gut microbiome and fecal metabolome.](#)

Food research international (Ottawa, Ont.) , Volume: 138 Issue: Pt B 2020 Dec

Authors Zhang Z,Liu H,Yu B,Tao H,Li J,Wu Z,Liu G,Yuan C,Guo L,Cui B

[Bifidobacterium bifidum TMC3115 ameliorates milk protein allergy in by affecting gut microbiota: A randomized double-blind control trial.](#)

Journal of food biochemistry , Volume: 44 Issue: 11 2020 Nov

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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

Immunomodulatory and Prebiotic Effects of 2`-Fucosyllactose in Suckling Rats.

Frontiers in immunology , Volume: 10 2019

Authors Azagra-Boronat I,Massot-Cladera M,Mayneris-Perxachs J,Knipping K,Van` t Land B,Tims S,Stahl B,Garssen J,Franch À,Castell M,Rodríguez-Lagunas MJ,Pérez-Cano FJ

Spent Coffee Grounds Extract, Rich in Mannooligosaccharides, Promotes a Healthier Gut Microbial Community in a Dose-Dependent Manner.

Journal of agricultural and food chemistry , Volume: 67 Issue: 9 2019 Mar 6

Authors Pérez-Burillo S,Pastoriza S,Fernández-Arteaga A,Luzón G,Jiménez-Hernández N,D`Auria G,Francino MP,Rufián-Henares JÁ

Supplemental Bacillus subtilis DSM 32315 manipulates intestinal structure and microbial composition in broiler chickens.

Scientific reports , Volume: 8 Issue: 1 2018 Oct 18

Authors Ma Y,Wang W,Zhang H,Wang J,Zhang W,Gao J,Wu S,Qi G

Fiber Supplements Derived From Sugarcane Stem, Wheat Dextrin and Psyllium Husk Have Different <i>In Vitro</i> Effects on the Human Gut Microbiota.

Frontiers in microbiology , Volume: 9 2018

Authors Gamage HKAH,Tetu SG,Chong RWW,Bucio-Noble D,Rosewarne CP,Kautto L,Ball MS,Molloy MP,Packer NH,Paulsen IT

Oral hydroxysafflor yellow A reduces obesity in mice by modulating the gut microbiota and serum metabolism.

Pharmacological research , 2018 May 19

Authors Liu J,Yue S,Yan Z,Feng W,Meng X,Wang A,Peng C,Wang C,Yan D

A combination of quercetin and resveratrol reduces obesity in high-fat diet-fed rats by modulation of gut microbiota.

Food & function , Volume: 8 Issue: 12 2017 Dec 13

Authors Zhao L,Zhang Q,Ma W,Tian F,Shen H,Zhou M

Microbial diversity and composition in different gut locations of hyperlipidemic mice receiving krill oil.

Applied microbiology and biotechnology , Volume: 102 Issue: 1 2018 Jan

Authors Lu C,Sun T,Li Y,Zhang D,Zhou J,Su X

Modulating Effects of Dicafeoylquinic Acids from Ilex kudingcha on Intestinal Microecology in Vitro.

Journal of agricultural and food chemistry , Volume: 65 Issue: 47 2017 Nov 29

Authors Xie M,Chen G,Wan P,Dai Z,Hu B,Chen L,Ou S,Zeng X,Sun Y

Illumina Sequencing Approach to Characterize Thiamine Metabolism Related Bacteria and the Impacts of Thiamine Supplementation on Ruminant Microbiota in Dairy Cows Fed High-Grain Diets.

Frontiers in microbiology , Volume: 8 2017

Authors Pan X,Xue F,Nan X,Tang Z,Wang K,Beckers Y,Jiang L,Xiong B

Effects of oral florfenicol and azithromycin on gut microbiota and adipogenesis in mice.

PloS one , Volume: 12 Issue: 7 2017

Authors Li R,Wang H,Shi Q,Wang N,Zhang Z,Xiong C,Liu J,Chen Y,Jiang L,Jiang Q

Health benefit of vegetable/fruit juice-based diet: Role of microbiome

Scientific Reports , Volume: 7 2017 May 19

Authors Henning SM,Yang J,Shao P,Lee RP,Huang J,Ly A,Hsu M,Lu QY,Thames G,Heber D,Li Z

Berberine protects against diet-induced obesity through regulating metabolic endotoxemia and gut hormone levels.

Molecular medicine reports , Volume: 15 Issue: 5 2017 May

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

Antibiotic use in childhood alters the gut microbiota and predisposes to overweight

Microbial Cell , Volume: 3 Issue: 7 2016 Jun 20

Authors Korpela K,de Vos WM

Oral supplementation with L-glutamine alters gut microbiota of obese and overweight adults: A pilot study.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 31 Issue: 6 2015 Jun

Authors de Souza AZ,Zamboni AZ,Abboud KY,Reis SK,Tannihão F,Guadagnini D,Saad MJ,Prada PO

Collateral damage from oral ciprofloxacin versus nitrofurantoin in outpatients with urinary tract infections: a culture-free analysis of gut microbiota.

Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases , Volume: 21 Issue: 4 2015 Apr

Authors Stewardson AJ,Gaia N,François P,Malhotra-Kumar S,Delémont C,Martinez de Tejada B,Schrenzel J,Harbarth S,Lazarevic V,SATURN WP1 and WP3 Study Groups.

Oligofructose and long-chain inulin: influence on the gut microbial ecology of rats associated with a human faecal flora.

The British journal of nutrition , Volume: 86 Issue: 2 2001 Aug

Authors Kleessen B,Hartmann L,Blaut M

Effects of probiotic *Enterococcus faecium* NCIMB 11181 administration on swine fecal microbiota diversity and composition using barcoded pyrosequencing

Animal Feed Science and Technology , Volume: 201 2015 Mar

Authors Edward Alain B.Pajarillo,Dae-Kyung Kang,Chan-Soo Park,Hyeun Bum Kim,Marilen P Balolong

Curated database of commensal, symbiotic and pathogenic microbiota

Generative Bioinformatics , Volume: Issue: 2014 Jun

Authors D'Adamo Peter

Additional APriori Analysis Available

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

Abdominal Aortic Aneurysm

Acne

ADHD

Age-Related Macular Degeneration and Glaucoma

Allergic Rhinitis (Hay Fever)

Allergies

Alopecia (Hair Loss)

Alzheimer's disease

Amyotrophic lateral sclerosis (ALS) Motor Neuron

Ankylosing spondylitis

Anorexia Nervosa

Antiphospholipid syndrome (APS)

Asthma

Atherosclerosis

Atrial fibrillation

Autism

Autoimmune Disease

Barrett esophagus cancer

benign prostatic hyperplasia

Bipolar Disorder

Brain Trauma

Breast Cancer

Carcinoma

Celiac Disease

Cerebral Palsy

Chronic Fatigue Syndrome

Chronic Kidney Disease

Chronic Lyme

Chronic Obstructive Pulmonary Disease (COPD)

Chronic Urticaria (Hives)

Coagulation / Micro clot triggering bacteria

Colorectal Cancer

Constipation

Coronary artery disease

COVID-19

Crohn's Disease

cystic fibrosis

deep vein thrombosis

Depression

Dermatomyositis

Eczema

Endometriosis

Eosinophilic Esophagitis

Epilepsy
erectile dysfunction
Fibromyalgia
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus
Generalized anxiety disorder
Gout
Graves' disease
Hashimoto's thyroiditis
Heart Failure
Hidradenitis Suppurativa
Histamine Issues,Mast Cell Issue, DAO Insufficiency
hypercholesterolemia (High Cholesterol)
hyperglycemia
Hyperlipidemia (High Blood Fats)
hypersomnia
hypertension (High Blood Pressure)
Hypoxia
IgA nephropathy (IgAN)
Inflammatory Bowel Disease
Insomnia
Intelligence
Intracranial aneurysms
Irritable Bowel Syndrome
Juvenile idiopathic arthritis
Liver Cirrhosis
Long COVID
Low bone mineral density
Lung Cancer
ME/CFS with IBS
ME/CFS without IBS
Menopause
Metabolic Syndrome
Mood Disorders
Multiple Sclerosis
Multiple system atrophy (MSA)
myasthenia gravis
Neuropathy (all types)
neuropsychiatric disorders (PANDAS, PANS)
Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic
NonCeliac Gluten Sensitivity
Obesity
obsessive-compulsive disorder
Osteoarthritis
Osteoporosis
pancreatic cancer
Parkinson's Disease
Polycystic ovary syndrome
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder
primary biliary cholangitis
Psoriasis
rheumatoid arthritis (RA),Spondyloarthritis (SpA)
Rosacea
Schizophrenia
scoliosis
sensorineural hearing loss

Sjögren syndrome

Sleep Apnea

Small Intestinal Bacterial Overgrowth (SIBO)

Stress / posttraumatic stress disorder

Systemic Lupus Erythematosus

Tic Disorder

Tourette syndrome

Type 1 Diabetes

Type 2 Diabetes

Ulcerative colitis

Unhealthy Ageing