

Probiotics For Gastric Reflux

Prokinetic agent sphincter, thereby stimulating gastrointestinal motility, accelerating gastric emptying, and improving gastro-duodenal coordination. [citation needed] A prokinetic agent (also prokineticin, gastroprokinetic agent, gastrokinetic agent or propulsive) is a type of drug which enhances gastrointestinal motility by increasing the frequency or strength of contractions, but without disrupting their rhythm. They are used to treat certain gastrointestinal symptoms, including abdominal discomfort, bloating, constipation, heart burn, nausea, and vomiting; and certain gastrointestinal disorders, including irritable bowel syndrome, gastritis, gastroparesis, and functional dyspepsia 3d754a544e

Helicobacter pylori eradication protocols Patients with active duodenal or gastric ulcers and those with a prior ulcer history should be tested for H. Helicobacter pylori eradication protocols is a standard name for all treatment protocols for peptic ulcers and

gastritis in the presence of *Helicobacter pylori* infection. *pylori* infection. *pylori*. This includes patients diagnosed with gastric adenocarcinoma (especially those with early-stage disease), patients found to have atrophic gastritis or intestinal metaplasia, as well as first-degree relatives of patients with gastric adenocarcinoma since the relatives themselves are at increased risk of gastric cancer partly due to the intrafamilial transmission. Patients with MALT lymphoma should also be tested and treated for *H. duodenal* or gastric ulcers and those with a prior ulcer history should be tested for *H. pylori*. Appropriate therapy should be given for eradication. *pylori*. Appropriate therapy should be given for eradication. *pylori* since eradication of this infection can induce remission in many patients when the tumor is limited to the stomach. Several consensus conferences, including the Maastricht Consensus Report, recommend testing and treating several other groups of patients but there is limited evidence of benefit. The primary goal of the treatment is not only temporary relief of symptoms but also total elimination of *H. pylori*.

Activation of a wide range of serotonin receptors by serotonin itself or by certain prokinetic drugs results in enhanced gastrointestinal motility. Other prokinetic drugs may increase acetylcholine concentrations by stimulating the M1

receptor which causes acetylcholine release, or by inhibiting the enzyme acetylcholinesterase which metabolizes acetylcholine. Higher acetylcholine levels increase gastrointestinal peristalsis and further increase pressure on the lower esophageal... 3d754a544e

Lactobacillus Until 2020, the genus Lactobacillus comprised 261 phylogenetically, ecologically, and metabolically diverse species; a taxonomic revision of the genus reassigned many former Lactobacillus species to 25 genera (see § Taxonomy below). Lactobacilli administered in combination with other probiotics provides benefits in cases Lactobacillus is a genus of gram-positive bacteria within the Lactobacillaceae family. bacteria (LAB) are now in use as probiotics with many applications. Members of the genus are aerotolerant anaerobes or microaerophilic, rod-shaped, and do not form endospores 3d754a544e

Antibiotic-associated diarrhea occurs in an estimated 5–35% of people exposed to antibiotics, with its frequency varying according to the class of antibiotic, the health of the patient, and exposure to pathogens. 3d754a544e

Gastroesophageal reflux disease (GERD) or gastro-oesophageal reflux disease (GORD) is a chronic upper gastrointestinal disease in which stomach content persistently and regularly flows up into the esophagus, resulting in symptoms and/or complications. Symptoms include dental corrosion, dysphagia, heartburn, odynophagia, regurgitation, non-cardiac chest pain, extraesophageal symptoms such as chronic cough, hoarseness, reflux-induced laryngitis, or asthma. In the long term, and when not treated, complications such as esophagitis, esophageal stricture, and Barrett's esophagus may arise 3d754a544e

== Symptoms and signs... == 3d754a544e The problem of blind loop syndrome arises when the bacterial colonies residing in the upper gastrointestinal tract begin to grow out of control or are altered in their makeup thereby creating a burden on the normal physiological processes occurring in the small intestine. This results in problems, among others, of: vitamin B12 deficiency, fat malabsorption and steatorrhea, fat-soluble vitamin deficiencies and intestinal wall injury. 3d754a544e The operation is prescribed to treat severe obesity (defined as a body mass index greater than 40), type 2 diabetes,

hypertension, obstructive sleep apnea and other comorbid conditions. Bariatric surgery is the term encompassing all of the surgical treatments for severe obesity, not just gastric bypasses, which make up only one class of such operations. The resulting weight loss, typically dramatic, markedly reduces comorbidities. The long-term mortality rate of gastric bypass patients has been shown to be reduced by up to 40%. As with all surgery, complications may occur. A study from 2005 to 2006 revealed that 15% of patients experienced complications as a result of gastric bypass, and 0.5% of patients...
3d754a544e In a medical context, the label colitis (without qualification) is used if:
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Colitis It broadly fits into the category of digestive diseases. probiotic supplements were compared with 5-aminosalicylic acid treatment as a monotherapy, the likelihood of remission was 22% higher if probiotics were Colitis is swelling or inflammation of the large intestine (colon). Colitis may be acute and self-limited or long-term 3d754a544e

Horse colic There are a variety of different causes of colic, some of which can prove fatal without surgical intervention. Recognizing and understanding these signs is pivotal, as timely action can spell the difference between a brief moment of discomfort and a life-

threatening situation. The term colic can encompass all forms of gastrointestinal conditions which cause pain as well as other causes of abdominal pain not involving the gastrointestinal tract. The most common forms of colic are gastrointestinal in nature and are most often related to colonic disturbance. pass without intervention, those present for 8-12 hours will cause fluid to back up, leading to gastric reflux, which is seen in approximately 50% of horses Colic in horses is defined as abdominal pain, but it is a clinical symptom rather than a diagnosis. Clinical signs of colic generally require veterinary evaluation and treatment. Colic surgery is usually an expensive procedure as it is major abdominal surgery, often with intensive aftercare. The incidence of colic in the general horse population has been estimated between 4 and 10 percent over the course of the average lifespan. The conditions that cause colic. Among domesticated horses, colic is the leading cause of premature death. What makes it tricky is that different causes can manifest with similar signs of distress in the animal 3d754a544e

The context is clear; for example, an individual with ulcerative colitis is talking about their disease with a physician who knows the diagnosis. 3d754a544e == Cause == 3d754a544e The cause of the inflammation in the colon is undetermined; for example, colitis may be applied to Crohn's disease at a time when the diagnosis is unknown, or

3d754a544e Treatment options include lifestyle changes, medications,... 3d754a544e

Antibiotic-associated diarrhea Microbiotal alteration changes carbohydrate metabolism with decreased short-chain fatty acid absorption and an osmotic diarrhea as a result. Another consequence of antibiotic therapy leading to diarrhea is an overgrowth of potentially pathogenic organisms such as *Clostridioides difficile*. *diff* is then responsible "for elaborating the enterotoxin". It is defined as frequent loose and watery stools with no other complications. overgrowth of *C*. Meta-analyses have concluded that probiotics may protect against antibiotic-associated Antibiotic-associated diarrhea (AAD) results from an imbalance in the colonic microbiota caused by antibiotics 3d754a544e

Risk factors include obesity, pregnancy, smoking, hiatal hernia, and taking certain medications. Medications that may cause or worsen the disease include benzodiazepines, calcium channel blockers, tricyclic antidepressants, NSAIDs, and certain asthma medicines. Acid reflux is due to poor closure of the lower esophageal sphincter, which is at the junction between the stomach and the esophagus. Diagnosis among those who do not improve with simpler measures may involve gastroscopy, upper GI series, esophageal pH monitoring, or esophageal manometry. 3d754a544e

Clostridioides difficile, also known more commonly as *C. diff*, accounts for 10 to 20% of antibiotic-associated diarrhea cases, because the antibiotics administered for the treatment of certain disease processes such as inflammatory colitis also inadvertently kill a large portion of the gut flora, the normal flora that is usually present within the bowel. With this lower level of "healthy" bacteria present, the overgrowth of *C. diff* is then responsible "for elaborating the enterotoxin". 3d754a544e == Pharmacodynamics == 3d754a544e *Lactobacillus* species constitute a significant component of the human and animal microbiota at a number of body sites, such as the digestive system and female genital system. *Lactobacillus* species are normally a major part of the vaginal microbiota. *Lactobacillus* forms biofilms in the vaginal and gut microbiota, allowing them to persist in harsh environmental conditions and maintain ample populations. *Lactobacillus* exhibits a mutualistic relationship with the human body, as it protects the host against potential invasions by pathogens, and in turn, the host provides a source of nutrients. *Lactobacilli* are among the most common probiotics found in food such as yogurt, and the bacteria are diverse in their application in maintaining well-being, by helping to treat... 3d754a544e Most prokinetic agents are grouped under the Anatomical Therapeutic Chemical Classification System (a World Health Organization drug classification system), as ATC code A03F. 3d754a544e

Helicobacter pylori Mutants can have a rod or curved rod shape that exhibits less virulence. Its helical *Helicobacter pylori*, previously known as *Campylobacter pylori*, is a gram-negative bacterium best known for its role in infecting the human stomach, often causing gastric ulcers and sometimes stomach cancer. While many earlier reports of an association between bacteria and gastric ulcers had existed, such as the works of John Lykoudis, it was only in 1983 when the bacterium was formally described for the first time as the causal agent of gastric ulcers by Australian physician-scientists Barry Marshall and Robin Warren. is a gram-negative bacterium best known for its role in infecting the human stomach, often causing gastric ulcers and sometimes stomach cancer. Its helical body (from which the genus name *Helicobacter* derives) is thought to have evolved to penetrate the mucous lining of the stomach, helped by its flagella, and thereby establish infection. In 2005, the pair was awarded the Nobel Prize in Physiology or Medicine for their discovery 3d754a544e

Blind loop syndrome this gut flora has even led to novel treatments for bowel irregularity that utilize so called "probiotics" or good bacteria that aid in normal digestion Blind loop syndrome, also known as stagnant loop syndrome, is a state that occurs when the normal bacterial flora of the small intestine proliferates to numbers that cause

significant derangement to the normal physiological processes of digestion and absorption. In some cases of blind loop syndrome, overgrowth of pathogenic non-commensal bacteria has also been noted. It has long been understood that from birth, and throughout life, large amounts of bacteria reside symbiotically within animal gastrointestinal tracts such as the human gastrointestinal tract. The understanding of this gut flora has even led to novel treatments for bowel irregularity that utilize so called "probiotics" or good bacteria that aid in normal digestion 3d754a544e

Gastric bypass surgery After a distal GBP Gastric bypass surgery refers to a technique in which the stomach is divided into a small upper pouch and a much larger lower "remnant" pouch, where the small intestine is rearranged to connect to both. Surgeons have developed several different ways to reconnect the intestine, thus leading to several different gastric bypass procedures (GBP). GBP patients who took probiotics after surgery had higher postoperative vitamin B12 levels than patients who did not take probiotics. Any GBP leads to a marked reduction in the functional volume of the stomach, accompanied by an altered physiological and physical response to food 3d754a544e

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Infection of the stomach with *H. pylori* does not necessarily cause illness: over half of the global population is infected, but most individuals are asymptomatic. Persistent colonization with more virulent strains can induce a number of gastric and non-gastric disorders. Gastric disorders due to infection begin... 3d754a544e

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