

Can Probiotics Cause Constipation

Constipation in children It is a functional gastrointestinal disorder. 95% of cases of constipation in children are thought to be functional constipation (without a structural or biochemical cause) Constipation in children refers to the medical condition of constipation in children. can cause constipation bd5d197a0b

One of the causes of abnormal bloating is excessive eating and air swallowing, known as aerophagia. Other causes of bloating and distension include inflammatory bowel diseases such as Crohn's disease and ulcerative colitis, irritable bowel syndrome, diabetes, functional dyspepsia, or transient... bd5d197a0b == Terminology == bd5d197a0b Humans expel feces with a frequency varying from a few times daily to a few times weekly. Waves of muscular contraction (known as peristalsis) in the walls of the colon move fecal matter through the digestive tract towards the rectum. Flatus may also be expelled. Undigested food may also be expelled within the feces, in a process called egestion. When birds defecate, they also expel urine and urates in the same mass, whereas other animals may also simultaneously urinate during defecation, but the processes are spatially separated. Defecation may also accompany childbirth and death. Babies... bd5d197a0b This species is also acidophilic, and viable at very low pH. The probiotic *P. acidilactici* is a facultative anaerobe with lesser sensitivity to oxygen. *Pediococci* exert antagonism against other microorganisms, including enteric pathogens, primarily through the production of lactic acid and secretion of bacteriocins known as pediocins. bd5d197a0b Before the ISAPP consensus, related terms such as paraprobiotics (inactivated or non-viable microbial cells or their crude extracts), modified probiotics, ghost probiotics, and tyndallized... bd5d197a0b

Lactulose It generally begins working after 8–12 hours, but may take up to 2 days to improve constipation. It is administered orally for constipation, and either orally or rectally for Lactulose is a non-absorbable sugar used in the treatment of constipation and hepatic encephalopathy. It is administered orally for constipation, and either orally or rectally for hepatic encephalopathy. non-absorbable sugar used in the treatment of constipation and hepatic encephalopathy bd5d197a0b

Children have different bowel movement patterns than adults. In addition, there is a wide spectrum of normalcy when considering children's bowel habits. On average, infants have 3-4 bowel movements/day, and toddlers have 2-3 bowel movements per day. At around age 4, children develop an adult-like pattern of bowel movements (1-2 stools/day). The median onset of functional constipation in children is at 2.3 years old, with girls and boys being similarly affected. Children benefit from scheduled toilet breaks, once early in the morning and 30 minutes after meals. The Rome III Criteria for constipation in children can help to define and diagnose constipation for various age groups. Constipation in children may present as encopresis, or the inappropriate passage of stool (usually involuntarily) in inappropriate places. Stool can build up in the rectum, leading to rectal dilation and decreased gastric emptying. This can present as nausea, vomiting, abdominal distention, loss of appetite and pain. Children may also have stool retentive behaviors... bd5d197a0b == Causes == bd5d197a0b *Pediococcus acidilactici* has a wide range of potential benefits which are still being... bd5d197a0b

Sir William Arbuthnot Lane, 1st Baronet He thus introduced the "no-touch technique", and some of his designed instruments remain in use. irritable bowel syndrome, to pelvic floor dysfunction—apparently a cause of refractory constipation in adolescents, too—or to obstructed defecation, which along Sir William Arbuthnot Lane, 1st Baronet, CB, FRCS (4 July 1856 – 16 January 1943) was a British surgeon and physician. He mastered orthopaedic, abdominal, and ear, nose and throat surgery, while designing new surgical instruments toward maximal asepsis bd5d197a0b

Diagnosis is based on symptoms in the absence of worrisome features, and once other potential conditions have been ruled out. Worrisome or "alarm... bd5d197a0b Probiotics are regarded as generally recognized as safe (GRAS) by the U.S. Food and Drug Administration (FDA), which supports their safety when used as intended, although this designation does not establish their effectiveness or specific health benefits. Many claimed health benefits, such as treating eczema or curing vaginal infections, lack substantial scientific support. bd5d197a0b

Irritable bowel syndrome The evidence is conflicting for whether probiotics improve overall quality of life scores. Probiotics may exert their Irritable bowel syndrome (IBS) is a functional gastrointestinal disorder characterized by a group of symptoms that commonly include abdominal pain, abdominal bloating, and changes in the consistency of bowel movements. IBS can negatively affect quality of life and may result in missed school or work or reduced productivity at work. Disorders such as anxiety, major depression, and myalgic encephalomyelitis/chronic fatigue syndrome are common among people with IBS, sometimes developing due to the condition. some benefit of probiotic therapy. These symptoms may occur over a long time, sometimes for years bd5d197a0b

In 2021, the International Scientific Association for Probiotics and Prebiotics (ISAPP) issued a consensus definition that helped align terminology across research and applications. The definition states that a postbiotic is "a preparation of inanimate microorganisms and/or their components that confers a health benefit on the host". Under this consensus, postbiotics include inactivated microbial cells or cell components, with or without co-present metabolites, but exclude substantially purified metabolites alone, vaccines, filtrates devoid of cell components, and purely synthetic compounds. The microbial source should be defined, and the inactivation process and matrix characterized. bd5d197a0b A growing... bd5d197a0b

Probiotic Although the term refers to the microorganisms themselves, probiotics can be consumed through a range of products including yogurt, cheese, certain fermented foods (such as nattō), as well as capsules containing a single strain or a defined mixture of strains. A consensus definition of the term probiotics, based on available information and scientific Probiotics are live microorganisms that are intended to support or improve the health and wellbeing of a host organism. issued the Guidelines for the Evaluation of Probiotics in Food. They are commonly used in both humans and animals bd5d197a0b

In the early 1920s, as an early advocate of dietary prevention of cancer, Lane met medical opposition, resigned from British Medical Association, and founded the New Health Society, the first organisation practising social medicine. Through newspapers... bd5d197a0b Functional constipation is diagnosed using the Rome criteria, a consensus of experts. The criteria include over 25% of defecations involving straining, 25% resulting in lumpy or hard stools, 25% requiring partial evacuation, 25% experiencing anorectal blockage or obstruction, and 25% using manual techniques... bd5d197a0b

Pediococcus acidilactici However, some of the results are limited. Though it is being used as a probiotic supplement to treat constipation, and diarrhea, relieve stress, and enhance immune response *Pediococcus acidilactici* is a species of Gram-positive cocci that is often found in pairs or tetrads. They are commonly found in fermented vegetables, fermented dairy products, and meat. *P. acidilactici* is a homofermentative bacterium that can grow in a wide range of pH, temperature, and osmotic pressure, therefore being able to colonize the digestive tract. It has emerged as a potential probiotic that has shown promising results in animal and human experiments. are still being studied bd5d197a0b

Lane pioneered internal fixation of displaced fractures, procedures on cleft palate, and colon resection and colectomy to treat "Lane's disease"—now otherwise termed colonic inertia, which he identified in 1908—which surgeries were controversial but advanced abdominal surgery. During World War I, as an officer with the Royal Army Medical Corps, he organised and opened Queen Mary's Hospital in Sidcup, which pioneered reconstructive surgery. The late-Victorian and Edwardian periods' preeminent surgeon, Lane operated on socialites, politicians, and royalty. Lane thus attained baronetcy in 1913. bd5d197a0b

Defecation Inflammatory Defecation (or defaecation) follows digestion and is the necessary biological process by which organisms eliminate a solid, semisolid, or liquid waste material known as feces (or faeces) from the digestive tract via the anus or cloaca. The topic, usually avoided in polite company, forms the basis of scatological humor. bowel movement), to the common (like pooping or crapping), to the obscene (shitting), to the euphemistic ("doing number two", "dropping a deuce" or "taking a dump"), to the juvenile ("going poo-poo" or "making doo-doo"). The act has a variety of names, ranging from the technical (e. g. activities, 'high-fibre diet';, probiotics and drug therapies can be widely and efficiently used to treat constipation and defecatory disorder bd5d197a0b

The first discovered probiotic was a certain strain of bacillus in Bulgarian yoghurt, called *Lactobacillus bulgaricus*. The discovery was made in 1905 by Bulgarian physician and microbiologist Stamen Grigorov. The modern-day theory is generally attributed to Russian Nobel Prize laureate Élie Metchnikoff, who postulated around 1907 that yoghurt-consuming Bulgarian peasants lived longer. bd5d197a0b == Potential benefits == bd5d197a0b Lactulose was first made in 1929, and has been used medically since the 1950s. Lactulose is made from the milk sugar lactose, which is composed of two simple sugars, galactose and glucose. It is on the World Health Organization's List of Essential Medicines. It is available as a generic medication. In 2023, it was the 266th most commonly prescribed medication in the United States, with more than 900,000 prescriptions. bd5d197a0b The cause of IBS is not known, but multiple factors have been proposed to lead to the condition. Theories include combinations of "gut-brain axis" problems, alterations in gut motility, visceral hypersensitivity, infections including small intestinal bacterial overgrowth, neurotransmitters, genetic factors, and food sensitivity. Onset may be triggered by a stressful life event, or an intestinal infection. In the latter case, it is called post-infectious irritable bowel syndrome. bd5d197a0b

Postbiotic Most such preparations are derived from bacteria believed to be beneficial (so-called probiotics), with most purported benefits having to do with the digestive tract. (so-called probiotics), with most purported benefits having to do with the digestive tract. In 2021, the International Scientific Association for Probiotics and Postbiotics are preparations of dead microorganisms and/or their components that are believed to confer a health benefit on the host bd5d197a0b

Abdominal distension Medications that settle gas in the stomach and intestines are also commonly used to treat the discomfort and lessen the abdominal distension. Affected people often experience a sensation of fullness, abdominal pressure, and sometimes nausea, pain, or cramping. In the most extreme cases, upward pressure on the diaphragm and lungs can also cause shortness of breath. Through a variety of causes (see below), bloating is most commonly due to a build up of gas in the stomach, small intestine, or colon. common causes of abdominal distension classified as an underlying cause and as a secondary disease. The pressure sensation is often relieved, or at least lessened, by belching or flatulence. As an underlying disease cause: Constipation Lactose Abdominal distension occurs when substances, such as air (gas) or fluid, accumulate in the abdomen causing its expansion. It is typically a symptom of an underlying disease or dysfunction in the body, rather than an illness in its own right. People with this condition often describe it as "feeling bloated" bd5d197a0b

Pediococcus acidilactici is a facultative anaerobe that grows well on de Man, Rogosa, Sharpe agar of an optimum pH of 6.2, with an overnight incubation at 37 and 45 °C (99 and 113 °F). It is also viable at higher temperatures up to 65 °C (149 °F). bd5d197a0b == Medical uses == bd5d197a0b Common side effects include abdominal bloating and cramps. A potential exists for electrolyte problems as a result of the diarrhea it produces. No evidence of harm to the fetus has been found when used during pregnancy. It is generally regarded as safe during breastfeeding. It is classified as an osmotic laxative. bd5d197a0b

Functional constipation obstructions, can cause constipation as a secondary symptom. When there is no such cause, functional constipation is diagnosed. Functional constipation requires Functional constipation, also known as chronic idiopathic constipation (CIC), is defined by less than three bowel movements per week, hard stools, severe straining, the sensation of anorectal blockage, the feeling of incomplete evacuation, and the need for manual maneuvers during feces, without organic abnormalities. When there is no such cause, functional constipation is diagnosed. Many illnesses, including endocrine, metabolic, neurological, mental, and gastrointestinal obstructions, can cause constipation as a secondary symptom bd5d197a0b

Functional constipation requires symptoms to be present at least a fourth of the time. Causes include anismus, descending perineum syndrome, inability to control the external anal sphincter, poor diet, unwillingness to defecate, nervous reactions, and deep psychosomatic disorders. Comorbid symptoms such as headache may also be present, especially in children. bd5d197a0b == Presentation == bd5d197a0b

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