

Does Creatine Cause Diarrhea

Maple syrup urine disease can be classified by its pattern of signs and symptoms or by its genetic cause. The most common and severe form of this disease is the classic type, which appears soon after birth, and as long as it remains untreated, gives rise to progressive and unremitting symptoms. Variant forms of the disorder may become apparent only later in infancy or childhood, with typically less severe symptoms that may only appear during times of fasting, stress, or illness, but still involve mental and physical problems if left untreated.

Definition == Types == Graves' disease is the cause of about 50% to 80% of the cases of hyperthyroidism in the United States. Other causes include multinodular goiter, toxic adenoma, inflammation of the thyroid, eating too much iodine, and too much synthetic thyroid hormone. A less common cause is a pituitary adenoma. The diagnosis may be suspected...

Performance-enhancing substance Creatine is currently not recognized as a prohibited substance and can be purchased Performance-enhancing substances (PESs), also known as performance-enhancing drugs (PEDs), are substances that are used to improve any form of activity performance in humans. effects include gastrointestinal cramps, weight gain, fatigue, and diarrhea

Maple syrup urine disease For cellular bioenergetics, changes include lactate levels, creatine levels, NAD+/NADH ratio (nicotinamide adenine dinucleotide), ATP (adenosine Maple syrup urine disease (MSUD) is a rare, inherited metabolic disorder that affects the body's ability to metabolize amino acids due to a deficiency in the activity of the branched-chain alpha-ketoacid dehydrogenase (BCKAD) complex. With MSUD, the body is not able to properly break down these amino acids, therefore leading to the amino acids to build up in urine and become toxic. It particularly affects the metabolism of amino acids leucine, isoleucine, and valine. The condition gets its name from the distinctive sweet odor of affected infants' urine and earwax due to the buildup of these amino acids. respective state

Chylomicron retention disease attributed to the lack of sufficient lipid sources. It is a rare autosomal recessive disorder with around 40 cases reported worldwide. Mutations in SAR1B prevent the release of chylomicrons in the circulation which leads to nutritional and developmental problems. Chronic Malabsorptive Diarrhea- Diarrhea that results from the poor absorption of fats Steatorrhea- Abnormal Chylomicron retention disease is a disorder of fat absorption. It is associated with SAR1B. Since the disease allele is recessive, parents usually do not show symptoms

The classifications of substances as performance-enhancing substances are not entirely clear-cut and objective. As in other types of categorization, certain prototype performance enhancers are universally classified as such (like anabolic steroids), whereas other substances (like vitamins and protein supplements) are virtually never classified as performance enhancers despite their effects on performance. As is usual with categorization, there are borderline... Medical uses ==

Probucol in red blood cells, white blood cells, and/or platelet count, elevated creatine kinase are also possible. The Chinese package insert states that ALT, AST Probucol, sold under the trade name Lorelco among others, is an lipid-lowering agent initially developed for the treatment of coronary artery disease. It may also cause QT interval prolongation. Clinical use was discontinued in some countries after it was found that the drug may have the undesired effect of lowering HDL-C in patients with a previous history of heart disease

Probucol was originally developed as an industrial antioxidant added to tires to maximize their longevity. It was originally released in 1996. It is available in as a generic medication. In 1912, Harvard University researchers Otto Folin and Willey Glover Denis found evidence that ingesting creatine can dramatically boost the creatine content... Physical symptoms of CMRD involving the development and function of the gastrointestinal tract and nervous system typically manifest between infancy and adolescence. The symptoms of CmRD are similar to the physical symptoms of malnutrition, as the disease arises due to the poor absorption of lipids and fat-soluble nutrients such as vitamin E. For this reason, the disease is likely to be underdiagnosed by physicians. Fat-soluble nutrients are essential for growth, development, and normal bodily function...

Trichinosis Migration of larvae to muscle, which occurs about a week after being infected, can cause swelling of the face, inflammation of the whites of the eyes, fever, muscle pains, and a rash. During the initial infection, invasion of the intestines can result in diarrhea, abdominal pain Trichinosis, also known as trichinellosis, is a parasitic disease caused by roundworms of the Trichinella genus. parasitic disease caused by roundworms of the Trichinella genus. During the initial infection, invasion of the intestines can result in diarrhea, abdominal pain, and vomiting. Complications may include inflammation of heart muscle, central nervous system involvement, and inflammation of the lungs. Minor infection may be without symptoms

Without functional chylomicrons, certain fat-soluble vitamins such as vitamin D and vitamin E cannot be absorbed. Chylomicrons have a crucial role in fat absorption and transport, thus a deficiency in chylomicron functioning reduces available levels of dietary fats and fat-soluble vitamins. == Veterinary use ==

Hyperthyroidism is hypothyroidism, when the thyroid gland does not make enough thyroid hormone. Symptoms are typically less severe in the elderly and during pregnancy. An uncommon but life-threatening complication is thyroid storm in which an event such as an infection results in worsening symptoms such as confusion and a high temperature; this often results in death. Graves' disease is the cause of about 50% to 80% of the cases of hyperthyroidism Hyperthyroidism is a endocrine disease in which the thyroid gland produces excessive amounts of thyroid hormones. Signs and symptoms vary between people and may include irritability, muscle weakness, sleeping problems, a fast heartbeat, heat intolerance, diarrhea, enlargement of the thyroid, hand tremor, and weight loss. The opposite is hypothyroidism, when the thyroid gland does not make enough thyroid hormone. Some, however, use the terms interchangeably. Thyrotoxicosis is a condition that occurs due to elevated levels of thyroid hormones of any cause and therefore includes hyperthyroidism

== Signs and symptoms == Creatine was first identified in 1832 when Michel Eugène Chevreul isolated the precipitate from the basified water-extract of skeletal muscle. He later named the crystallized precipitate after the Greek word for meat, κρέας (kreas). In 1928, creatine was shown to exist in equilibrium with creatinine. Studies in the 1920s showed that consumption of large amounts of creatine did not result in its excretion. This result pointed to the ability of the body to store creatine, which in turn suggested its use as a dietary supplement. Many substances, such as anabolic steroids, can be used to improve athletic performance and build

muscle, which in most cases is considered cheating by organized athletic organizations. This usage is often referred to as doping. Athletic performance-enhancing substances are sometimes referred to as ergogenic aids. Cognitive performance-enhancing drugs, commonly called nootropics, are sometimes used by students to improve academic performance. Performance-enhancing substances are also used by military personnel to enhance combat performance. abd98e3f0b == Classification == abd98e3f0b

Toxic shock syndrome There may also be symptoms related to the specific underlying infection such as mastitis, osteomyelitis, necrotising fasciitis, or pneumonia. or more organ systems: Gastrointestinal (vomiting, diarrhea) Muscular: severe myalgia or creatine phosphokinase level at least twice the upper limit of Toxic shock syndrome (TSS) is a condition caused by bacterial toxins. Symptoms may include fever, rash, skin peeling, and low blood pressure abd98e3f0b

There are five main... abd98e3f0b

Creatine It is a popular dietary supplement. Creatine (/ˈkriːətiːn/ or /ˈkriːətiːn/) is an organic compound that facilitates recycling of adenosine triphosphate (ATP) in vertebrates, primarily in their Creatine (or) is an organic compound that facilitates recycling of adenosine triphosphate (ATP) in vertebrates, primarily in their muscle and brain tissue abd98e3f0b

TSS is typically caused by bacteria of the Streptococcus pyogenes or Staphylococcus aureus type, though others may also be involved. Streptococcal toxic shock syndrome is sometimes referred to as toxic-shock-like syndrome (TSLs). The underlying mechanism involves the production of superantigens during an invasive streptococcus infection or a localized staphylococcus infection. Risk factors for the staphylococcal type include the use of very absorbent tampons, skin lesions in young children characterized by fever, low blood pressure, rash, vomiting and/or diarrhea, and multiorgan failure. Diagnosis is typically based on symptoms. abd98e3f0b The presence of presenile cataract, noticeable in galactosemic infants as young as a few days old, is highly associated with two distinct types of galactosemia: GALT deficiency and to a greater extent, GALK deficiency. abd98e3f0b == History == abd98e3f0b Trichinosis is mainly spread when undercooked meat containing Trichinella cysts is eaten. Wild meat is more likely to contain the parasite. In North America this is most often bear, but infection can also occur from pork, boar, and dog meat. Several species of Trichinella can cause disease, with T. spiralis being the most common. After the infected meat has been eaten, the larvae are released from their cysts in the stomach. They then invade the wall of the small intestine, where they develop into adult worms. After one week, the females release new larvae that migrate to voluntarily controlled muscles, where they form cysts... abd98e3f0b Atipamezole was first sold in 1996 as a reversal agent for medetomidine. Although developed specifically for medetomidine it also reverses other alpha2 adrenergic... abd98e3f0b

Galactosemic cataract Galactokinase (GALK) deficiency, or Type II A galactosemic cataract is cataract which is associated with the consequences of galactosemia, a deficiency in the body's ability to break down the sugar galactose. galactitol levels of only 98 to 800 mmol/mol creatine compared to normal levels of 2 to 78 mmol/mol creatine abd98e3f0b

Treatment includes intravenous fluids, antibiotics, incision and drainage of any abscesses, and possibly intravenous immunoglobulin. The need for rapid removal of infected tissue via surgery in those with a streptococcal cause, while commonly recommended, is poorly supported by the... abd98e3f0b An impairment or deficiency in the enzyme, galactose-1-phosphate uridylyltransferase (GALT), results in classic galactosemia, or Type I galactosemia. Classic galactosemia is a rare (1 in 47,000 live births), autosomal recessive disease that presents with symptoms soon after birth when a baby begins lactose ingestion. Symptoms include life-threatening illnesses such as jaundice, hepatosplenomegaly (enlarged spleen and liver), hypoglycemia, renal tubular dysfunction, muscle hypotonia (decreased tone and muscle strength), sepsis (presence of harmful bacteria and their toxins in tissues), and cataract among others. The prevalence of cataract among classic galactosemics is markedly less than among galactokinase-deficient patients due to the extremely high levels of galactitol found in the latter. Classic... abd98e3f0b In Japan, it is approved for "hyperlipidemia (including familial hypercholesterolemia and xanthomas)". In China, it is approved for hypercholesterolemia. abd98e3f0b

Atipamezole overdose include panting, trembling, vomiting, and diarrhea, as well as increased blood levels of creatine kinase, aspartate transaminase, and alanine transaminase Atipamezole, sold under the brand name Antisedan among others, is a synthetic α2 adrenergic receptor antagonist used for the reversal of the sedative and analgesic effects of dexmedetomidine and medetomidine in dogs. There is a low rate of side effects, largely due to atipamezole's high specificity for the α2-adrenergic receptor.). It is mainly used in veterinary medicine, and while it is only licensed for dogs and for intramuscular use, it has been used intravenously, as well as in cats and other animals (intravenous use in cats and dogs is not recommended due to the potential for cardiovascular collapse. Atipamezole has a very quick onset, usually waking an animal up within 5 to 10 minutes. This occurs due to profound hypotension caused by reversal of the alpha 1 effects while the reflex bradycardia is still in effect. Its reversal effect works by competing with the sedative for α2-adrenergic receptors and displacing them abd98e3f0b

Its phosphorylated form, phosphocreatine, donates phosphate groups to adenosine diphosphate (ADP), turning it back into ATP. Creatine also acts as a buffer. It has the nominal formula (H2N)(HN)CN(CH3)CH2CO2H. In solutions, it exists in various tautomers, including a neutral form and zwitterionic forms. abd98e3f0b

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