

Vitamin A Capsules Uses

Vitamin B3 Vitamin B3, colloquially referred to as niacin, is a vitamin family that includes three forms, or vitamers: nicotinic acid (niacin), nicotinamide (niacinamide) Vitamin B3, colloquially referred to as niacin, is a vitamin family that includes three forms, or vitamers: nicotinic acid (niacin), nicotinamide (niacinamide), and nicotinamide riboside. NAD is required for human life and people are unable to make it within their bodies without either vitamin B3 or tryptophan. Nicotinamide riboside was identified as a form of vitamin B3 in 2004. All three forms of vitamin B3 are converted within the body to nicotinamide adenine dinucleotide (NAD) fc11ed8617

She appeared in the horror film Dracula 2000 (2000), and made cameo appearances in Get Over It (2001) and Scary Movie 2 (2001). She also appeared as a panelist on the spoof talent series The WB's Superstar USA in 2004. She was ranked No. 76 on the Maxim Hot 100 Women of 2001. fc11ed8617 Vitamin A occurs as two principal forms in foods: 1) retinoids, found in animal-sourced foods, either as retinol or bound to a fatty acid to become a retinyl ester, and 2) the carotenoids α -carotene (alpha-carotene), β -carotene, γ -carotene (gamma-carotene), and the xanthophyll beta-cryptoxanthin (all of which contain β -ionone rings) that function as provitamin A in herbivore and omnivore animals which possess the enzymes that cleave and convert provitamin carotenoids to retinol. Some carnivore species lack this enzyme. The other carotenoids do not have retinoid activity. fc11ed8617 Niacin (the nutrient) can be manufactured by plants and animals from the amino acid tryptophan. Niacin is obtained in the diet from a variety of whole and processed foods, with highest contents in fortified packaged foods, meat, poultry, red fish such as tuna and salmon, lesser amounts in nuts, legumes and seeds. Niacin as a dietary supplement is used to treat pellagra, a disease caused by niacin deficiency. Signs and symptoms of pellagra include skin and mouth lesions, anemia, headaches, and tiredness. Many countries mandate its addition to wheat flour or other food grains, thereby reducing the risk of pellagra. fc11ed8617 Cholecalciferol is synthesised in the skin following sunlight exposure. It is then converted in the liver to calcifediol (25-hydroxycholecalciferol D), which is further converted in the kidney to calcitriol (1,25-dihydroxycholecalciferol D). One of calcitriol's most important functions is to promote calcium uptake by the intestines. Cholecalciferol is present in food such as fatty fish, beef liver, eggs, and cheese. In some countries, cholecalciferol is also added to products like plants, cow milk, fruit juice, yogurt, and margarine. fc11ed8617 In healthy people, most scientific evidence indicates that multivitamin supplements do not prevent

cancer, heart disease, or other ailments, and regular supplementation is not necessary. However, specific groups of people may benefit from multivitamin supplements, for example, people with poor nutrition or those at high risk of macular degeneration, and women who are pregnant or trying to get pregnant. fc11ed8617

Vitamin A The term "vitamin A" encompasses a group of chemically related organic compounds that Vitamin A is a fat-soluble vitamin that is an essential nutrient. Vitamin A is a fat-soluble vitamin that is an essential nutrient. The term "vitamin A" encompasses a group of chemically related organic compounds that includes retinol, retinyl esters, and several provitamin (precursor) carotenoids, most notably β -carotene (beta-carotene). For aiding vision specifically, it combines with the protein opsin to form rhodopsin, the light-absorbing molecule necessary for both low-light (scotopic vision) and color vision. Vitamin A has multiple functions: growth during embryo development, maintaining the immune system, and healthy vision fc11ed8617

Vitamin A deficiency It is common in poorer countries, especially among children Vitamin A deficiency (VAD) or hypovitaminosis A is a lack of vitamin A in blood and tissues. Vitamin A deficiency (VAD) or hypovitaminosis A is a lack of vitamin A in blood and tissues. Vitamin A plays a major role in phototransduction, so this deficiency impairs vision, often presenting with nyctalopia (night blindness). In more severe VAD cases, it can progress to xerophthalmia, keratomalacia, and complete blindness. It is common in poorer countries, especially among children and women of reproductive age, but is rarely seen in more developed countries fc11ed8617

Tocopherols and tocotrienols both occur in α (alpha), β (beta), γ (gamma), and δ (delta) forms, as determined by the number and position of methyl groups on the chromanol ring. All eight of these vitamers feature a chromane double ring, with a hydroxyl group that can donate a hydrogen atom to reduce free radicals, and a hydrophobic side chain that allows for penetration into biological membranes... fc11ed8617 Dietary retinol is absorbed from the digestive tract... fc11ed8617 Cholecalciferol can be taken orally as a dietary supplement to prevent vitamin D deficiency or as a medication to treat associated diseases, including rickets. It is also used in the management of familial hypophosphatemia, hypoparathyroidism... fc11ed8617 In 1999, under the stage name Vitamin C, Fitzpatrick embarked on a solo career in pop music, releasing her eponymous debut album Vitamin C (1999), which was certified Platinum by the RIAA. Singles from the record include "Graduation (Friends Forever)" and the Top 20 single "Smile" featuring Lady Saw. Her second album, More (2001) spawned the singles "As Long as You're Loving Me" and "The Itch". fc11ed8617

Capsule endoscopy After a patient swallows the capsule, it passes along the gastrointestinal tract, taking a number

of images per second which are transmitted wirelessly to an array of receivers connected to a portable recording device carried by the patient. Newer developments are also able to take biopsies and release medication at specific locations of the entire gastrointestinal tract. Capsule endoscopy uses a small vitamin-sized Capsule endoscopy is a medical procedure used to record internal images of the gastrointestinal tract for use in disease diagnosis. It can be applied to the detection of various gastrointestinal cancers, digestive diseases, ulcers, unexplained bleedings, and general abdominal pains. new capsule designs capable of panoramic imaging, automated lesion detection, and even targeted drug delivery. Unlike the more widely used endoscope, capsule endoscopy provides the ability to see the middle portion of the small intestine. General advantages of capsule endoscopy over standard endoscopy include the minimally invasive procedure setup, ability to visualize more of the gastrointestinal tract, and lower cost of the procedure fc11ed8617

The amide nicotinamide is a component of the coenzymes nicotinamide adenine dinucleotide (NAD... fc11ed8617 It is also a generic prescription medication and in some countries is sold as a non-prescription dietary supplement. As a therapy, it is used to prevent and treat scurvy, a disease caused by vitamin C deficiency. Vitamin C may be taken by mouth or by intramuscular, subcutaneous or intravenous injection. Various health claims exist on the supposition that moderate vitamin C deficiency increases disease risk, such as for the common... fc11ed8617 Vitamin A deficiency is the leading cause of preventable childhood blindness worldwide and is a major cause of childhood mortality. Each year, approximately 250,000 to 500,000 malnourished children in the developing world go blind from a VAD, with about half of whom dying within a year of losing their sight. Addressing VAD has been a critical focus of global health initiatives, including Sustainable Development Goal 2: to end hunger, achieve food security and improved nutrition and promote sustainable agriculture. fc11ed8617 There is no standardized scientific definition for multivitamin. In the United States, a multivitamin/mineral supplement is defined as a supplement containing three or more vitamins and minerals that does not include herbs, hormones, or drugs, where each vitamin and mineral is included... fc11ed8617

Cholecalciferol It was first described in 1936, and is on the World Health Organization's List of Essential Medicines. In 2023, it was the 68th most commonly prescribed medication in the United States, with more than 9 million prescriptions, and is available as a generic medication. Cholecalciferol, also known as vitamin D3, colecalciferol or calciol, is a skin-made vitamin D that is found in certain foods and used as a dietary supplement. It Cholecalciferol, also known as vitamin D3, colecalciferol or calciol, is a skin-made vitamin D that is found in certain foods and used as a dietary supplement fc11ed8617

Vitamin B6 e. The term essential nutrient refers to a group of six chemically similar compounds, i. The term essential nutrient refers to a group of six chemically similar Vitamin B6 is one of the B vitamins, and is an essential nutrient for humans. , "vitamers", which can be interconverted in biological systems. Vitamin B6 is one of the B vitamins, and is an essential nutrient for humans. Its active form, pyridoxal 5'-phosphate, serves as a coenzyme in more than 140 enzyme reactions in amino acid, glucose, and lipid metabolism fc11ed8617

Vitamin E is classified as an essential nutrient for humans. Various government organizations recommend that adults consume between 3 and 15 mg per day, while a 2016 worldwide review reported a median dietary intake of 6.2 mg per day. Sources rich in vitamin E include seeds, nuts, seed oils, peanut butter, vitamin E-fortified foods, and dietary supplements. Symptomatic vitamin E deficiency is rare, usually caused by an underlying problem with digesting dietary fat rather than from a diet low in vitamin E. Deficiency can cause neurological disorders. fc11ed8617 In March 2012, Fitzpatrick was appointed as Vice President of Music at Nickelodeon. Since early 2019, Fitzpatrick has served... fc11ed8617

Vitamin C However, higher primates (including humans), most bats, guinea pigs, some fish species, and some bird species must acquire it from dietary sources because a gene for a synthesis enzyme has mutations that render it dysfunctional; humans obtain this vitamin from those fruits and vegetables. It is an essential nutrient involved in the repair of tissue, the formation of collagen, and the enzymatic production of certain neurotransmitters. Vitamin C or ascorbate is a water-soluble vitamin found in citrus and other fruits, berries and vegetables. It is found as a form of ascorbic acid. Most animals are able to synthesize their own vitamin C. It is also an antioxidant. It is required for the functioning of several enzymes and is important for immune system function. It Vitamin C or ascorbate is a water-soluble vitamin found in citrus and other fruits, berries and vegetables. It is found as a form of ascorbic acid fc11ed8617

In pregnant women, VAD is associated with a high prevalence of night blindness and poor maternal health outcomes including an increased risk of maternal mortality and complications during pregnancy and lactation... fc11ed8617

Vitamin E The tocopherols function as Vitamin E is a group of eight compounds related in molecular structure that includes four tocopherols and four tocotrienols. The tocopherols function as fat-soluble antioxidants which may help protect cell membranes from reactive oxygen species. Vitamin E is a group of eight compounds related in molecular structure that includes four tocopherols and four tocotrienols fc11ed8617

Vitamin C (singer) Colleen Ann Fitzpatrick (born July 20, 1969), known professionally as Vitamin C, is an American record executive, singer, songwriter, record producer Colleen Ann Fitzpatrick (born July 20, 1969), known professionally as Vitamin C, is an American record executive, singer, songwriter, record producer, and actress. She began her career as an Ivory soap baby and child actress, appearing in John Waters' film Hairspray (1988), and continued to appear in minor roles in films before launching a music career with the alternative rock band Eve's Plum in 1991 fc11ed8617

== History == fc11ed8617 Capsule endoscopy was first conceptualized by Israeli engineer Gavriel Iddan and Israeli gastroenterologist Eitan Scapa in Boston, Massachusetts, in the early 1980s. The two partners initially developed... fc11ed8617

Multivitamin Such preparations are available in the form of tablets, capsules, pastilles, powders, liquids, gummies, or injectable formulations. Other than injectable formulations, which are only available and administered under medical supervision, multivitamins are recognized by the Codex Alimentarius Commission (the United Nations' authority on food standards) as a category of food. A multivitamin is a preparation intended to serve as a dietary supplement with vitamins, dietary minerals, and other nutritional elements. Such preparations A multivitamin is a preparation intended to serve as a dietary supplement with vitamins, dietary minerals, and other nutritional elements fc11ed8617

Plants synthesize pyridoxine as a means of protection from the UV-B radiation found in sunlight and for the role it plays in the synthesis of chlorophyll. Animals cannot synthesize any of the various forms of the vitamin, and hence must obtain it via diet, either of plants, or of other animals. There is some absorption of the vitamin produced by intestinal bacteria, but this is not sufficient to meet dietary needs. For adult humans, recommendations from various countries' food regulatory agencies are in the range of 1.0 to 2.0 milligrams (mg) per day. These same agencies also recognize ill effects from intakes that are too high, and so set safe upper limits, ranging from as low as 12 mg/day to as high as 100 mg/day depending on the country. Beef, pork, fowl and fish are generally good sources; dairy, eggs, mollusks and... fc11ed8617

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