

D Vitamin Overdose Symptomer

Vitamin B12 It plays an essential role in the nervous system by supporting myelin synthesis and is critical for the maturation of red blood cells in the bone marrow. One of eight B vitamins, it serves as a vital Vitamin B12, also known as cobalamin or extrinsic factor, is a water-soluble vitamin involved in metabolism. Vitamin B12, also known as cobalamin or extrinsic factor, is a water-soluble vitamin involved in metabolism. Animals require B12 but plants do not, relying instead on alternative enzymatic pathways. One of eight B vitamins, it serves as a vital cofactor in DNA synthesis and both fatty acid and amino acid metabolism feb6735f9a

Usage of illicit drugs, in large quantities, or after a period of drug abstinence can also induce overdose. Cocaine and opioid users who inject intravenously can easily overdose accidentally, as the margin between a pleasurable drug sensation and an overdose is small. Unintentional misuse can include errors in dosage caused by failure to read or understand product labels. Accidental overdoses... feb6735f9a Some writers include choline as a vitamin. feb6735f9a

Vitamin D toxicity the degradation of vitamin D and thus to vitamin toxicity without high oral intake (see Vitamin D § Excess). The normal range for blood concentration of 25-hydroxyvitamin D in adults is 20 to 50 nanograms per milliliter (ng/mL). Blood levels necessary to cause adverse effects in adults are thought to be greater than about 150 ng/mL, leading the Endocrine Society to suggest an upper limit for safety of 100 ng/mL. Symptoms of vitamin D toxicity may include Vitamin D toxicity, or hypervitaminosis D, is the toxic state of an excess of vitamin D feb6735f9a

Drug overdose 0) Vitamin poisoning Pesticide poisoning (T60) Organophosphate poisoning DDT A drug overdose (overdose or OD) is the ingestion or application of a drug or other substance in quantities much greater than are recommended. Typically the term is applied for cases when a risk to health is a potential result. oxycodone) Paracetamol toxicity (T39. 1) Tricyclic antidepressant overdose (T43. An overdose may result in a toxic state or death feb6735f9a

Generally, toxic levels of vitamins stem from high supplement intake. Toxicities of fat-soluble vitamins can also be caused by a large intake of highly fortified foods, but natural foods in modest levels seldom deliver extreme or dangerous levels of these vitamins. The Dietary Reference Intake recommendations issued by the United States Department of Agriculture define a "tolerable upper intake level" for most vitamins. feb6735f9a Vitamins have diverse biochemical functions. Vitamin A acts as a regulator of cell and tissue

growth and differentiation. Vitamin D provides a hormone-like function, regulating mineral metabolism for bones and other organs. The B complex vitamins function as enzyme cofactors (coenzymes) or the precursors for them. Vitamins C and E function...
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Vitamin Most vitamins are not single molecules, but groups of related molecules called vitamers. These essential nutrients cannot be synthesized in the organism in sufficient quantities for survival, and therefore must be obtained through consumption. For example, vitamin C can be synthesized by some species but not by others; it is not considered a vitamin in the first instance but is in the second. folates) Vitamin B12 (cobalamins) Vitamin C (ascorbic acid and ascorbates) Vitamin D (calciferols) Vitamin E (tocopherols and tocotrienols) Vitamin K (phyloquinones Vitamins are organic molecules (or a set of closely related molecules called vitamers) that are essential to an organism in small quantities for proper metabolic function. For example, there are eight vitamers of vitamin E: four tocopherols and four tocotrienols feb6735f9a

The word "overdose" implies that there is a common safe dosage and usage for the drug; therefore, the term is commonly applied only to drugs, not poisons, even though many poisons as well are harmless at a low enough dosage. Drug overdose is sometimes used as a means to commit suicide, as the result of intentional or unintentional misuse of medication. Intentional misuse leading to overdose can include using prescribed or non-prescribed drugs in excessive quantities in an attempt to produce euphoria.
feb6735f9a Diagnosis can be difficult as serum retinol is not sensitive to toxic levels of vitamin A, but there are effective tests available. Hypervitaminosis A is usually treated by stopping intake of the offending food(s), supplement(s), or medication. Most people make a full recovery. High intake of provitamin carotenoids (such as beta-carotene) from vegetables and fruits does not cause hypervitaminosis A. feb6735f9a Its primary use in medicine is in the treatment of secondary hyperparathyroidism associated with chronic kidney disease. However a 2016 systematic review did not find evidence sufficient to demonstrate an advantage of paricalcitol over non-selective vitamin D derivatives for this indication. feb6735f9a The other essential nutrients are minerals, essential fatty acids, essential amino acids, and choline. feb6735f9a == Classification == feb6735f9a Vitamin B12 is the most chemically complex of all vitamins, and is synthesized exclusively by certain archaea and bacteria. Natural food sources include meat, shellfish, liver, fish, poultry, eggs, and dairy products. It is also added to many breakfast cereals through food fortification and is available in dietary supplement and pharmaceutical forms. Supplements are commonly taken orally but may be administered via intramuscular injection to treat deficiencies. feb6735f9a

Vitamin B3 All three forms of vitamin B3 are converted within the body to nicotinamide adenine dinucleotide (NAD). Nicotinamide riboside was identified as a form of vitamin B3 in 2004. NAD is required for human life and people are unable to make it within

their bodies without either vitamin B3 or tryptophan. 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 feb6735f9a

== Classifications... == feb6735f9a

Hypervitaminosis Hypervitaminoses are primarily caused by fat-soluble vitamins (especially D and A), as these are stored by the body for longer than the water-soluble vitamins. Specific medical names of the different conditions are derived from the given vitamin involved: an excess of vitamin A, for example, is called hypervitaminosis A. level" for most vitamins. Those who are entirely healthy and do not experience long periods of avitaminosis can avert vitamin overdose by not taking more Hypervitaminosis is a condition of abnormally high storage levels of vitamins, which can lead to various symptoms—whether physiological, such as pain, nausea, and tachycardia, or psychological, such as confusion, hyperactivity, and irritability—and even to toxicity feb6735f9a

Benzodiazepine overdose Severe symptoms include coma Benzodiazepine overdose (BZD OD) describes the ingestion of one of the drugs in the benzodiazepine class in quantities greater than are recommended or generally practiced. most common symptoms of overdose include central nervous system (CNS) depression, impaired balance, ataxia, and slurred speech. The most common symptoms of overdose include central nervous system (CNS) depression, impaired balance, ataxia, and slurred speech. There is an antidote, flumazenil, but its use is controversial. Supportive care is the mainstay of treatment of benzodiazepine overdose. Severe symptoms include coma and respiratory depression feb6735f9a

Vitamin D can be synthesized in the skin under exposure to UVB from sunlight. Oily fish, such as salmon, herring, and mackerel, are also sources of vitamin D, as are mushrooms. Milk is often fortified with vitamin D; sometimes bread, juices, and other dairy products are fortified with vitamin D. Many multivitamins contain vitamin D in different amounts. feb6735f9a == Signs and symptoms == feb6735f9a Those who are entirely healthy and do not experience long periods of avitaminosis can avert vitamin overdose by not taking more than the normal or recommended amount listed on the container... feb6735f9a Major health organizations list thirteen vitamins: feb6735f9a In healthy adults, vitamin B12 deficiency is not common, mainly because body stores of the vitamin are substantial and turnover is slow, with relatively low dietary requirements. However, B12 deficiency in the elderly is a significant concern, and is related to dementia... feb6735f9a == Medical uses == feb6735f9a

Paricalcitol It is an analog of 1,25-dihydroxyergocalciferol, the active form of vitamin D₂ (ergocalciferol). Adverse effects by frequency: Very common Paricalcitol (chemically it is 19-nor-1,25-(OH)₂-vitamin D₂. Marketed by Abbott Laboratories under the trade name Zemplar) is a drug used for the prevention and treatment of secondary hyperparathyroidism (excessive secretion of parathyroid hormone) associated with chronic kidney failure. sufficient to demonstrate an advantage of paricalcitol over non-selective vitamin D derivatives for this indication feb6735f9a

An excess of vitamin D causes abnormally high blood concentrations of calcium, which can cause overcalcification of soft tissues, including arteries and kidneys. Symptoms appear several months after excessive doses of vitamin D are administered. A mutation of the CYP24A1 gene can lead to a reduction in the degradation of vitamin D and thus to vitamin toxicity without high oral intake (see Vitamin D § Excess). Symptoms of vitamin D toxicity may include the following: feb6735f9a Deaths from single-drug benzodiazepine overdoses occur infrequently, particularly after the point of hospital admission. However, combinations of high doses of benzodiazepines with alcohol, barbiturates, opioids or tricyclic antidepressants are particularly dangerous, and may lead to severe complications such as coma or death. In 2013, benzodiazepines were involved in 31% of the estimated 22,767 deaths from prescription drug overdose in the United States. The US Food and Drug Administration (FDA) has subsequently issued a black box warning regarding concurrent use of benzodiazepines and opioids. Benzodiazepines are one of the most highly prescribed classes of drugs, and they are commonly used in... feb6735f9a The amide nicotinamide is a component of the coenzymes nicotinamide adenine dinucleotide (NAD... feb6735f9a

Vitamin D deficiency Muscle weakness is also a common symptom of vitamin D deficiency, further increasing the risk of falls and bone fractures in adults. Deficiency impairs bone mineralization, leading to bone-softening diseases, such as rickets in children. It most commonly occurs in people when they have inadequate exposure to sunlight, particularly sunlight with adequate ultraviolet B rays. Vitamin D deficiency or hypovitaminosis D is a vitamin D level that is below normal. Vitamin D deficiency can also be caused by inadequate nutritional intake of vitamin D; disorders that limit vitamin D absorption; and disorders that impair the conversion of vitamin D to active metabolites, including certain liver, kidney, and hereditary disorders. It can also worsen osteomalacia and osteoporosis in adults, increasing the risk of bone fractures. It most commonly occurs in people when they have inadequate exposure Vitamin D deficiency or hypovitaminosis D is a vitamin D level that is below normal feb6735f9a

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. feb6735f9a

Hypervitaminosis A Symptoms arise as a result of altered bone metabolism and altered metabolism of other fat-soluble vitamins. Hypervitaminosis A is believed to have occurred in early humans, and the problem has persisted throughout human history. Toxicity results from ingesting too much preformed vitamin A from foods (such as liver), supplements, or prescription medications and can be prevented by ingesting no more than the recommended daily amount. toxic effects of ingesting too much preformed vitamin A (retinyl esters, retinol, and retinal). Symptoms arise as a result of altered bone metabolism and Hypervitaminosis A refers to the toxic effects of ingesting too much preformed vitamin A (retinyl esters, retinol, and retinal) feb6735f9a

It was patented in 1989 and approved for medical use in 1998. feb6735f9a == Signs and symptoms == feb6735f9a Symptoms may include: feb6735f9a

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