

Daiichi Sankyo Inc News

Articles Daiichi Sankyo, Inc. News

Photo: Welchol(TM) (colesevelam HCl) Receives FDA Approval to Reduce Blood Glucose in Adults with Type 2 Diabetes

PARSIPPANY, N.J., Jan. 22 PRNewswire Daiichi Sankyo, Inc., announced that the United States Food and Drug Administration (FDA) has approved Welchol(TM) (colesevelam HCl) to improve glycemic control (measured as hemoglobin A1C) in adults with type 2 diabetes mellitus in combination with metformin, sulfonylureas, or insulin, either alone or in combination with other anti-diabetic agents. Welchol is now the first and only medication approved to reduce both glucose levels and low density lipoprotein cholesterol levels (LDL-C). The ADA estimates that 20.8 million people in the United States have diabetes with more than 90 percent of these people having type 2 diabetes.(1) Forty percent of patients with type 2 diabetes also have high LDL-cholesterol.(2) Welchol is a new option that addresses both these chronic health conditions and provides physicians with a unique therapeutic approach for treating patients with type 2 diabetes.

Photo: <http://www.newscom.com/cgi-bin/prnh/20080122/NYTU059>) To view the Multimedia News Release, go to:
<http://www.prnewswire.com/mnr/welchol/29889/>

Pivotal data presented at the American Diabetes Association's (ADA) 67TH Annual Scientific Sessions in Chicago in June, 2007 demonstrated that Welchol can lower both A1C and LDL-C levels in patients with type 2 diabetes who were uncontrolled on a metformin-based regimen. Patients in the study were randomly assigned to two groups. The addition of Welchol was compared to the addition of placebo in patients on a metformin-based regimen. The addition of Welchol (n

Vitamin E is a fat-soluble vitamin, also known as tocopherol, is one of the most important antioxidants.

Adult daily nutritional supplements of vitamin dosage reference: 1.5 mg of vitamin a vitamin e 30 mg

Buy Now many are also mg health products unit, which exist IU (international units) and mg (milligrams) of the conversion, in order to measure and compare the amount you, I am afraid, is a high dose of more harm than good.

The different elements of different conversion (international requirements):

Vitamin A: 1IU

K antagonist and enhanced the role of oral coumarin anticoagulants, this can lead to significant bleeding.

Lack of

Vitamin E deficiency destruction of red blood cells, muscle degeneration, anaemia, reproductive dysfunction.

Source: Food

Food rich in vitamin E malt, soybeans, vegetable oils, nuts, Brussels sprouts, green leafy vegetables, spinach, add nutrients flour, whole grains, not refined cereal products, eggs.

Nutritional Supplements can buy the fat-soluble and water-soluble tablet capsule.

The sale is generally 100 to 1,500 IU of vitamin E. Water-soluble vitamin E to eat greasy food or food consumed more oil would cause skin lesions people, the middle-aged over 40 years of age more appropriate.

General daily intake of 200 to 1200 IU.

Drug combination

Inorganic iron (ferrous sulfate) would destroy vitamin E, it is not taken at the same time. If taking a small amount of ferrous sulfate containing

nutritional supplements and vitamin E, it should be separated after eight hours;

Special purpose

Not diet rich in saturated fats and more (vegetable oil, fish oil) people must take vitamin E;

Ferrous gluconate, stomach enzyme protein salt, citric acid salts, such as maleic

Rail would not undermine the vitamin E;

Elimination of chlorine to drinking water poisoning people must be more intake of vitamin E;

Take birth control pills, hormone or pregnancy and breast-feeding women need more vitamin E intake;

Facing menopausal women to increase the intake of vitamin E, the proposed use can be complex tocopherol, 400 to 1,200 IU per day.

Vitamin E does not reduce the incidence of heart disease among Canadian recent study found that taking vitamin E will not reduce the incidence of heart disease. If four to six years for taking vitamin E every day, suffering from myocardial infarction, stroke or death due to heart disease than the risk of not taking a placebo, daily low.

Vitamin E is a low Consumers can effect of antioxidants. Effect of the disease is associated with aging and the natural response, including atherosclerosis. In a recent pilot study, the researchers over the age of 55 subjects were randomly divided into two groups, one group was given containing 400 international units of vitamin E supplements, and the other group was given a placebo. Each test object or heart disease, or diabetes, or at least lead to a myocardial infarction or stroke risk factors. Through study found that, 46 years later, no difference in test results. Two in a myocardial infarction or stroke there is no big difference between the number of deaths caused by cardiovascular disease is the number roughly equal. This proves that, despite not found its side effects, taking vitamin E will not be offset by smoking, eating high-fat foods and other unhealthy lifestyle that has a negative impact.

The name of the drug: Vitamin E

Synonym: tocopherol Category: Western medicine department of minerals and vitamins major components: the role purposes: antioxidant role. Can increase skin capillary resistance, and maintain normal permeability, improve blood circulation and adjustment of reproductive functions, such as anti-aging effects. For coronary heart disease, arteriosclerosis, habitual abortion, muscular dystrophy, muscle cramps, neonatal Scleroderma, Lupus erythematosus,

Dermatomyositis, scleroderma, nodular vascular go far. Formulations usage and content: capsules: Each pill 5 mg, 10 mg, 100 mg. Injection: 1 ml each containing 5 mg, 50 mg. Oral: every 10 to 100 mg three times daily. Intramuscular: Adults 10 to 100 mg per day 1 or 2 times.

Side effects: a large dose can be nausea, headache, vertigo. Long-term use can produce menorrhagia, or amenorrhea. Note: it is not appropriate and sucralfate, mineral oils combined. Non-prescription drugs, the use of capsules.

(Characters and stability) of vitamin E for micro-transparent yellow and yellow viscous liquid; almost no smell, color-changing event deep, oxygen-sensitive, susceptible to oxidation, it can be protected in vivo oxidation of other substances (such as Unsaturated fatty acids, vitamin A) and exposed to air or ultraviolet radiation, oxidation degenerate slowly.

(In the process) Oral tocopherol after the intestinal absorption (the need for bile exist), such as an oral 2 g, absorption rate of 55%. Lymphatic absorption after arrival in chylomicrons with blood, and the subsequent plasma

Drugs) (1) anti-free radical: Radical exist in a broad variety of chemical reactions in the lively group of normal human metabolism is an important function.

If excessive free radicals, which led to radical chain reaction will lead to unsaturated fatty acids in membrane lipid peroxidation, the newly elected will be the large number of lipid peroxidation damage of the cell membrane and cell protein and nucleic acid macromolecules of the body causing damage.

Vitamin E is the anti-free radical function because of their structure is a benzodiazepines pyran derivatives in its benzene ring, there is a lively hydroxyapatite, a reduction of carbon followed by the five rings have a side-chain saturated, 2:00 vitamin E has decided to restore and lipophilicity. When free radicals into the lipid phase, in keeping with the chain, vitamin E capture free radicals play a role. Vitamin E against free radicals lipid peroxidation of high efficiency.

(2) Vitamin E and anti-aging: study for several decades, now that various different Overall, the vitamin E group senescence little effect on the longest life expectancy, but the average life span is extended, therefore vitamin E is the anti-aging effects of a health care role.

(3) Vitamin E and immune: the lack of vitamin E on human or animal affects the immune function is not only physical immune lower, but also on the immune cells have enormous impact.

(4) Vitamin E and cardiovascular disease: a large intake of vitamin E can reduce atherosclerosis morbidity, and vitamin E may hinder artery endothelial cells to bubble and the balance of endothelial cells cholesterol metabolism.

(5) Vitamin E and liver research: 80 stated in the study of vitamin E is the hepatocyte growth factor one of the important protection. American academics found that the death of liver cells is one way to the final liver cell depletion of vitamin E, and its mechanism is different from calcium, but to use their own view on the existence of cells in the form of their cells to play the role of protective factors. Vitamin E on a variety of acute liver injury protective effect of chronic liver fibrosis may delay.

(6) Vitamin E and skin: Vitamin E is an excellent anti-oxidant, it can enter the skin cells with anti-free radical chain reaction. Theoretically superior dismutase (SOD), used in the prevention of horny skin.

Vitamin E deficiency is the performance of many, but the reproductive, muscular, cardiovascular and hematopoietic system of the most important role.

Reproductive system: male result of the lack of vitamin E and in epithelial degeneration caused irreversible infertility. Lack of vitamin E female, about pregnancy termination within 10 days, when fetal death.

Muscle system: Many animal feed consumption of vitamin E, leading to muscular dystrophy. But the muscular dystrophy no evidence of vitamin E deficiency.

Cardiovascular system: because of a lack of vitamin E and skeletal muscle damage is caused by certain kinds of animals are found in the myocardium, although cardiac involvement is usually lighter, less see, but sometimes myocardial damage merger ECG changes, pathological changes, and even heart failure.

Hematopoietic system: vitamin E deficiency and anemia associated. For some patients with anemia with conventional drug treatment does not work, large doses of vitamin E to be effective in treatment.

(Adaptation symptoms) as a non-prescription drugs Vitamin E is considered to be a nutritional supplement, can be used as therapy to treat because of free radical damage caused by various diseases.

Commonly used in the habitual abortion, threatened abortion, infertility and menopause obstacles, muscular dystrophy

Adverse reactions and pay attention to matters) to a certain dose of vitamin E, relatively non-toxic. Take large doses (on the 1st of 400-800 mg) can cause nausea, vomiting, dizziness, headache, blurred vision, skin Chapped Nipple, cheilitis, Kougutan, gastrointestinal dysfunction, diarrhea, breast enlargement, weakness weakness.

Excessive use (on the 1st of

Drug interactions) (1) of vitamin E can promote the absorption of vitamin A, use and storage of the liver, excessive vitamin A to prevent disease.

(2) of vitamin E metabolism of vitamin K with the role of antagonist, can reduce blood coagulation and, therefore, should avoid double-coumarin and its derivatives with the same service.

(3) reduce or affect absorption of drugs such as fat test to en-amine, neomycin, sucralfate, the mine Sugar oil drugs can interfere with vitamin E absorption.

(4) iron-deficiency anemia, iron, vitamin E requirements of the increase.

(5) oral contraceptives can accelerate the metabolism of vitamin E can lead to vitamin E deficiency.

(6) of vitamin E may enhance the role of digitalis and the powerful anticoagulant such as warfarin role.

(7) estrogen and vitamin E used, such as dosage, treatment length, can be induced thrombosis of phlebitis.

(Usage and dosage) Oral. Conventional non-prescription drugs 5-10 mg dose is a day three times larger dose of 50-100 mg a day three times a day over 400 mg, please see a doctor. Topical: 2% cream ointment day 1-2 in the external application.

The effectiveness of vitamin E from the start, to help the skin strong, has not hurt the resistance, the skin will look beautiful. Natural. Vitamin E can help skin to withstand pressure, particularly in the urban environment are every day by dirty air, exhaust fumes and smoke damage, and from life, work, homework of pressure from various quarters, and often unable to maintain normal routines, plus foreign aggression within worries, the pace has accelerated aging, I would like to remain forever young, vitamin E is a good partner.

Vitamin E Bihadakko free radical scavenging effects on the health of the natural skin. Vitamin E the most powerful skills, and in the radical, because of the sun, pollution, the pressure to eliminate free radicals, protecting skin organization. It can take care of the fundamental skin, the skin will not be early in fine lines, the state of relaxation. Can promote skin microvascular circulation to the skin blood forever bright clean, natural face looks rosy dynamic.

How vitamin E in the preservation and maintenance for the use of particulate form of transportation, such as delivery to the skin lining. The high stability, and not vulnerable to external environmental damage. Therefore, it is very simple to be added to the maintenance of goods, need not worry about instability brought about metamorphic or ineffective concerns.

Factors affecting vitamin E vitamin E fear high temperature conditions, like other light, water it is not much threat, as long as other care products under direct light on the environment, basically there is no problem.

What foods contain Vitamin E

Wheat germ, beans, spinach, eggs, cabbage, are rich in vitamin E, if we add more vitamin E, eating than the effect of wiping good. Because vitamin E intake released through the skin effect is still limited. Vitamin E consumption of food or nutritional supplements, can be protected by the anti-oxidation, the skin from inside the body to reach a comprehensive look delay aging purposes.

The last two years, vitamin really shine in the beauty industry. Popular in Europe and the United States to eat beauty and cosmetics companies greater care products contained in vitamin ratio. Research has found that many kinds of vitamin and skin and hair health have great relevance. The introduction of direct smear method, we can more direct role in the skin where it is needed.

E-dimensional main the main physiological functions and the lack of what?

Also known as tocopherol vitamin E is fat-soluble organic compounds, there are currently eight known, have similar physiological functions.

The most prominent of vitamin E is the nature of the chemical antioxidant that can enhance the role of the antioxidant, used to maintain the integrity of the membrane; participate in the overall certain cells and various metabolic processes; maintain the membrane-associated enzyme vitality and receptor functions. Some people believe that vitamin E has many important physiological functions. For example: anti-aging, anti-coagulation, enhance immunity, improve peripheral blood circulation, prevent arteriosclerosis, maintaining RBC, WBC, brain cells, the integrity of epithelial cells, and thus maintain the muscles, nerves and blood vessels and the normal function of hematopoietic system etc.. The study also found that vitamin E have similar physiological effects of ginseng, such as gastric ulcer protection role to promote DNA and protein synthesis; extend the life of red blood cells, increase disease-free activity and delayed vascular aging, and other organizations, to be studied.

Human long-term lack of vitamin E can occur cytomegalovirus of hemolytic anemia, vitamin E in the blood of patients decreased. Dietary vitamin E is not for the supply of China, the United States provides 12 per person per day to 15 international units.

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About the Author

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