

Adrenal Gland Dietary Supplements

Neither the condition nor the symptoms have any stable or recognized definition. 3ac165ce55

11-Deoxycorticosterone It is an active (Na⁺-retaining) mineralocorticoid. As its names indicate, 11-deoxycorticosterone can be understood as the 21-hydroxy-variant of progesterone or as the 11-deoxy-variant of corticosterone. deoxycortone, and cortexone, is a steroid hormone produced by the adrenal gland that possesses mineralocorticoid activity and acts as a precursor to 11-Deoxycorticosterone (DOC), or simply deoxycorticosterone, also known as 21-hydroxyprogesterone, as well as desoxycortone (INN), deoxycortone, and cortexone, is a steroid hormone produced by the adrenal gland that possesses mineralocorticoid activity and acts as a precursor to aldosterone 3ac165ce55

Androstenedione It is closely related to androstenediol (androst-5-ene-3 β ,17 β -diol). The production of adrenal androstenedione is governed by adrenocorticotrophic Androstenedione, or 4-androstenedione (abbreviated as A4 or Δ 4-dione), also known as androst-4-ene-3,17-dione, is an endogenous weak androgen steroid hormone and intermediate in the biosynthesis of estrone and of testosterone from dehydroepiandrosterone (DHEA). [citation needed] Androstenedione is produced in the adrenal glands and the gonads 3ac165ce55

Addison's disease arises when the adrenal gland does not produce sufficient amounts of the steroid hormones cortisol and (sometimes) aldosterone. It is an autoimmune disease which affects some genetically predisposed people in whom the body's own immune system has started to target the adrenal glands. In many adult cases it is unclear what has triggered the... 3ac165ce55
== Active Ingredients: Weight Loss Efficacy & Potential Side Effects == 3ac165ce55 == Function == 3ac165ce55 The symptoms of a sympathetic pheochromocytoma are related to sympathetic nervous system hyperactivity. The classic triad includes headaches (likely related to elevated blood pressure, or hypertension... 3ac165ce55 == Biological function == 3ac165ce55

Dehydroepiandrosterone sulfate It is the 3 β -sulfate ester and a metabolite of dehydroepiandrosterone (DHEA) and circulates in far greater relative concentrations than DHEA. DHEA-S is inert as a nuclear steroid hormone, but is an important neurosteroid and neurotrophin. The presence Dehydroepiandrosterone sulfate, abbreviated as DHEA sulfate or DHEA-S, also known as androstenolone sulfate, is an endogenous androstane steroid that is produced by the adrenal cortex. 700 to 800 μ g/dL are highly suggestive of adrenal dysfunction because DHEA-S is made by the adrenal glands and also synthesized in the brain 3ac165ce55

== Biological activity == 3ac165ce55

Pheochromocytoma a remnant (piece) of the adrenal gland in hopes of avoiding lifelong steroid replacement if the left and right adrenal glands need to be removed. PGLs of the head and neck are typically parasympathetic and their sympathetic counterparts are predominantly located in the abdomen and pelvis, particularly concentrated at the organ of Zuckerkandl at the bifurcation of the aorta. The issue Pheochromocytoma (British English: phaeochromocytoma) is a rare tumor of the adrenal medulla composed of chromaffin cells and is a pharmacologically volatile, potentially lethal catecholamine-containing tumor of chromaffin tissue. It is part of the paraganglioma (PGL). These neuroendocrine tumors can be sympathetic, where they release catecholamines into the bloodstream which cause the most common symptoms, including hypertension (high blood pressure), tachycardia (fast heart rate), sweating, and headaches. Some PGLs may secrete little to no catecholamines, or only secrete paroxysmally (episodically), and other than secretions, PGLs can still become clinically relevant through other secretions or mass effect (most common with head and neck PGL) 3ac165ce55

Androstenedione is a precursor of testosterone and other androgens, as well as of estrogens like estrone, in the body. In addition to functioning as an endogenous prohormone, androstenedione also has weak androgenic activity in its own right. 3ac165ce55

Adrenoleukodystrophy disintegration of the VLCFA, accumulating the same in the white matter, adrenal glands, and the testes more specifically in the Leydig cells not allowing the Adrenoleukodystrophy (ALD) is a disease linked to the X chromosome. It is a result of fatty acid buildup caused by failure of peroxisomal fatty acid beta oxidation which results in the accumulation of very long chain fatty acids in tissues throughout the body. Other symptoms include problems in speaking, listening, and understanding verbal instructions. The long chain fatty acid buildup causes damage to the myelin sheath of the neurons of the brain, resulting in seizures and hyperactivity. The most severely affected tissues are the myelin in the central nervous system, the adrenal cortex, and the Leydig cells in the testes 3ac165ce55

DOC is a potent mineralocorticoid but is virtually devoid of glucocorticoid activity. However, 11 β -hydroxylation of DOC produces corticosterone and confers glucocorticoid activity, along with 10-fold reduced mineralocorticoid activity. In addition to its mineralocorticoid activity, DOC has been found to possess one-third to one-tenth the potency of progesterone as a progestogen when administered systematically to rabbits. However, it has no such activity when applied directly to the uterine mucosa of mice. The discrepancy may be related to the fact that DOC can be converted into progesterone in vivo.... 3ac165ce55

Adrenal fatigue There is no scientific basis for the existence of adrenal fatigue, and the term should not be confused with a number of actual forms of adrenal dysfunction such as adrenal insufficiency or Addison's disease. Adrenal fatigue is a pseudoscientific term used by alternative medicine providers to suggest that the adrenal glands are exhausted and unable to produce Adrenal fatigue is a pseudoscientific term used by alternative medicine providers to suggest that the adrenal glands are exhausted and unable to produce adequate quantities of hormones, primarily cortisol, due to chronic stress or infections 3ac165ce55

Addison's disease Under certain circumstances, an adrenal crisis may occur with low blood pressure, vomiting, lower back pain, and loss of consciousness. Rapid onset of symptoms indicates acute adrenal failure, which is a clinical emergency. An adrenal crisis can be triggered by stress, such as from an injury, surgery, or infection. Mood changes may also occur. aldosterone by the two outer layers of the cells of the adrenal glands (adrenal cortex), causing adrenal insufficiency. Symptoms generally develop slowly

and Addison's disease, also known as primary adrenal insufficiency, is a rare long-term endocrine disorder characterized by inadequate production of the steroid hormones cortisol and aldosterone by the two outer layers of the cells of the adrenal glands (adrenal cortex), causing adrenal insufficiency. Darkening of the skin in certain areas may also occur. Symptoms generally develop slowly and insidiously and may include abdominal pain and gastrointestinal abnormalities, weakness, and weight loss 3ac165ce55

Side effects of prasterone in women include symptoms of masculinization like oily skin, acne, increased hair growth, voice changes, and increased sexual desire, headaches, insomnia, and others. The compound is a naturally occurring prohormone of androgens and estrogens and hence is an agonist of the androgen and estrogen receptors, the respective biological targets of androgens like testosterone and estrogens like estradiol. Prasterone also has a variety of activities of its own, including neurosteroid and other activities. 3ac165ce55 == Signs and symptoms == 3ac165ce55

Dehydroepiandrosterone DHEA is produced in the adrenal glands, the gonads, and the brain. most abundant circulating steroids in humans. It functions as a metabolic intermediate in the biosynthesis of the androgen and estrogen sex steroids both in the gonads and in various other tissues. DHEA is produced in the adrenal glands, the gonads, and the brain. It is one of the most abundant circulating steroids in humans. However, DHEA also has a variety of potential biological effects in its own right, binding to an array of nuclear and cell surface receptors, and acting as a neurosteroid and modulator of neurotrophic factor receptors. It functions as a metabolic intermediate Dehydroepiandrosterone (DHEA), also known as androstenedione, is an endogenous steroid hormone precursor 3ac165ce55

== Definition == 3ac165ce55 DOCA is the abbreviation for the ester 11-deoxycorticosterone acetate. 3ac165ce55

Dexatrim Dexatrim claims it "gives you the power to lose weight, curb binges, and keep you in control of your diet. The major active ingredients found in current Dexatrim products include caffeine, green tea extract, Asian (Panax) ginseng root extract, and dehydroepiandrosterone (DHEA). Dexatrim is an over-the-counter (OTC) dietary supplement meant to assist with weight loss. Dexatrim claims it "gives you the power to lose weight, curb Dexatrim is an over-the-counter (OTC) dietary supplement meant to assist with weight loss. " Current Dexatrim products available are in capsule form and include Dexatrim Max Complex 7, Dexatrim Max Daytime Appetite Control, Dexatrim Natural Green Tea, and Dexatrim Natural Extra Energy 3ac165ce55

Clinically, ALD presents as a heterogeneous disorder, showing several distinct phenotypes, and no clear pattern of genotype-phenotype correlation. As an X-linked disorder, ALD presents more frequently and severely in males; however, approximately 80% of heterozygote females show some symptoms later in life. Approximately one third of male ALD patients will present with the childhood cerebral form of the disease, which is the most severe form. It is characterized by normal development in early childhood, followed by rapid degeneration to a vegetative state. The... 3ac165ce55 DHEA, the active ingredient of prasterone, was discovered in 1934. An association between DHEA levels and aging was first reported in 1965. The compound... 3ac165ce55 == Biological activity == 3ac165ce55 Androstenedione has been found to possess some estrogenic activity, similarly to other DHEA metabolites. However, in contrast to androstenediol, its affinity for the estrogen receptors is very low, with less than 0.01% of the affinity of estradiol for both the ER α and ER β . 3ac165ce55

Prasterone medication as well as over-the-counter dietary supplement which is used to correct DHEA deficiency due to adrenal insufficiency or old age, as a component Prasterone, also known as dehydroepiandrosterone (DHEA) and sold under the brand name Intrarosa among others, is a medication as well as over-the-counter dietary supplement which is used to correct DHEA deficiency due to adrenal insufficiency or old age, as a component of menopausal hormone therapy, to treat painful sexual intercourse due to vaginal atrophy, and to prepare the cervix for childbirth, among other uses. It is taken by mouth, by application to the skin, in through the vagina, or by injection into muscle 3ac165ce55

In the United States, DHEA is sold as an over-the-counter supplement, and medication called prasterone. 3ac165ce55

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