

Natural Hormone Replacement

Thyroid hormones A deficiency of iodine leads to decreased production of T3 and T4, enlarges the thyroid tissue, and causes the disease known as simple goitre. Thyroid hormones are two hormones produced and released by the thyroid gland: triiodothyronine (T3) and thyroxine (T4). They are tyrosine-based hormones that are primarily responsible for regulation of metabolism. T3 and T4 are partially composed of iodine, which is derived from food. They are tyrosine-based hormones that Thyroid hormones are two hormones produced and released by the thyroid gland: triiodothyronine (T3) and thyroxine (T4) 3bde997725

Gonadotropin-releasing hormone insensitivity Gonadotropin-releasing hormone (GnRH) insensitivity also known as Isolated gonadotropin-releasing hormone (GnRH) deficiency (IGD) is a rare autosomal recessive 3bde997725

Hormone replacement therapy Hormone replacement therapy (HRT), also known as menopausal hormone therapy or postmenopausal hormone therapy, is a form of hormone therapy used to treat Hormone replacement therapy (HRT), also known as menopausal hormone therapy or postmenopausal hormone therapy, is a form of hormone therapy used to treat symptoms associated with female menopause. Effects of menopause can include symptoms such as hot flashes, accelerated skin aging, vaginal dryness, decreased muscle mass, and complications such as osteoporosis (bone loss), sexual dysfunction, and vaginal atrophy. They are mostly caused by low levels of female sex hormones (e. estrogens) that occur during menopause. g 3bde997725

Custom-compounded BHT is a practice almost wholly restricted to the United States and is a form of alternative medicine. It has been promoted as a panacea for many diseases and for relieving the symptoms of menopause beyond the medical objective of reducing the risk of osteoporosis. There is little evidence to support these incremental claims; the hormones are expected to have the same risks and benefits as comparable approved drugs for which there is evidence based on extensive research and regulation, except for progesterone, which... 3bde997725

Bioidentical hormone replacement therapy Specific hormones used in BHT include estrone, estradiol, progesterone, testosterone, dehydroepiandrosterone (DHEA), and estriol. Bioidentical hormone replacement therapy (BHRT), also known as bioidentical hormone therapy (BHT) or natural hormone therapy, is the use of hormones that are Bioidentical hormone replacement therapy (BHRT), also known as bioidentical hormone therapy (BHT) or natural hormone therapy, is the use of hormones that are identical on a molecular level with endogenous hormones in hormone replacement therapy. A number of claims by some proponents of BHT have not been confirmed through scientific testing. It may also be combined with blood and saliva testing of hormone levels, and the use of pharmacy compounding to obtain hormones in an effort to reach a targeted level of hormones in the body 3bde997725

Thyroid-stimulating hormone Thyroid-stimulating hormone (also known as thyrotropin, thyrotropic hormone, or abbreviated TSH) is a pituitary hormone that stimulates the thyroid gland 3bde997725

Growth hormone therapy In the past, growth hormone was extracted from human pituitary glands. Growth hormone is a peptide hormone secreted by the pituitary gland that stimulates growth and cell reproduction. Growth hormone therapy refers to the use of growth hormone (GH) as a prescription medication—it is one form of hormone therapy. GH therapy has been a focus of social and ethical controversies for 50 years. Growth hormone is now produced by recombinant DNA technology and is prescribed for a variety of reasons. Growth hormone is a peptide Growth hormone therapy refers to the use of growth hormone (GH) as a prescription medication—it is one form of hormone therapy 3bde997725

Growth hormone deficiency The frequency of the condition is unclear. growth hormone levels. Most. Treatment is by growth hormone replacement using synthetic human growth hormone 3bde997725

Masculinizing hormone therapy involves taking testosterone, the primary male sex hormone. This causes many of the same bodily changes seen in male puberty, including deeper vocal pitch, greater facial and body hair, heightened sex drive, muscle growth, fat redistribution, and enhanced size and sensitivity of the clitoris ("bottom growth"). It stops menstruation, and reduces production of estrogen, the primary female sex hormone. It cannot reverse breast development, which may necessitate chest reconstruction ("top surgery"). 3bde997725 **Feminizing hormone therapy** has been empirically shown to reduce the distress and discomfort associated with gender... 3bde997725 This article describes the history of GH treatment and the current uses and risks arising from GH use. Other articles describe GH physiology, diseases of GH excess (acromegaly and pituitary gigantism), deficiency, the recent phenomenon of HGH controversies, growth hormone in sports, and growth hormone for cows. 3bde997725 **Thyroid hormones** are one of the factors responsible for the modulation... 3bde997725

Masculinizing hormone therapy Masculinizing hormone therapy is a form of transgender hormone therapy which develops male secondary sex characteristics and suppresses or minimizes female

Masculinizing hormone therapy is a form of transgender hormone therapy which develops male secondary sex characteristics and suppresses or minimizes female ones. This can alleviate gender dysphoria, and help individuals be correctly perceived as their respective gender ("passing"). It is used by trans men and transmasculine individuals as part of gender transition, to align their body with their gender identity 3bde997725

The purpose of the therapy is to cause the development of the secondary sex characteristics of the desired sex, such as breasts and a feminine pattern of hair, fat, and muscle distribution. It cannot undo many of the changes produced by naturally occurring puberty, which may necessitate surgery and other treatments to reverse (see below). The medications used for feminizing hormone therapy include estrogens, antiandrogens, progestogens, and gonadotropin-releasing hormone modulators (GnRH modulators). 3bde997725 Estrogens and progestogens are the main hormone drugs used in HRT. Progesterone is the main female sex hormone that occurs naturally and is also manufactured into a drug that is used in menopausal hormone therapy. Although both classes of hormones can have symptomatic benefit, progestogen is specifically added to estrogen regimens, unless the uterus has been removed, to avoid the increased risk of endometrial cancer. Unopposed estrogen therapy promotes endometrial hyperplasia and increases the risk of cancer, while progestogen reduces this risk. Androgens like testosterone are sometimes used as well. HRT is available through a variety of different routes. 3bde997725

Growth hormone Growth hormone (GH) or somatotropin, also known as human growth hormone (hGH or HGH) in its human form, is a peptide hormone that stimulates growth, cell 3bde997725

The long-term... 3bde997725 == Medical uses == 3bde997725

Feminizing hormone therapy It is a common type of transgender hormone therapy (another being masculinizing hormone therapy) and is used to treat transgender women and non-binary transfeminine individuals. Some, in particular intersex people, but also some non-transgender people, take this form of therapy according to their personal needs and preferences. Feminizing hormone therapy, also known as transfeminine hormone therapy, is a form of gender-affirming care and a gender-affirming hormone therapy to Feminizing hormone therapy, also known as transfeminine hormone therapy, is a form of gender-affirming care and a gender-affirming hormone therapy to change the primary and secondary sex characteristics of transgender people from masculine to feminine 3bde997725

The major form of thyroid hormone in the blood is thyroxine (T4), whose half-life of around one week is longer than that of T3. In humans, the ratio of T4 to T3 released into the blood is approximately 14:1. T4 is converted to the active T3 (three to four times more potent than T4) within cells by deiodinases (5'-deiodinase). These are further processed by decarboxylation and deiodination to produce iodothyronamine (T1a) and thyronamine (T0a). All three isoforms of the deiodinases are selenium-containing enzymes, thus dietary selenium is essential for T3 production. Calcitonin, a peptide hormone produced and secreted by the thyroid, is usually not included in the meaning of "thyroid hormone". 3bde997725 Other medications used include GnRH agonists and antagonists to completely suppress estrogen and progesterone; progestins like medroxyprogesterone acetate to suppress menstruation; and 5α-reductase inhibitors to prevent pattern hair loss. Sometimes another... 3bde997725

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