

What Does Hormonal Mean

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. 157f40ba22 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). 157f40ba22

Combined oral contraceptive pill The pill contains two important hormones: a progestin (a synthetic form of the hormone progestogen/progesterone). oral form of combined hormonal contraception 157f40ba22

== Function == 157f40ba22 Phytohormones occur across the plant kingdom, and even in algae, where they have similar functions to those seen in vascular plants ("higher plants"). Some phytohormones also occur in microorganisms, such as unicellular fungi and bacteria, however in these cases they do not play a hormonal role and can better be regarded as secondary metabolites. 157f40ba22 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... 157f40ba22

Beginning of pregnancy controversy proposed. Some scientists believe hormonal methods. Hormonal contraception, including emergency contraception, are known to be effective at preventing ovulation 157f40ba22

Neuroendocrinology e. nervous system and the endocrine system; i. how the brain regulates the hormonal activity in the body. The nervous and endocrine systems often act together 157f40ba22

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. long-term hormonal regimens have not been conclusively studied and are difficult to estimate because research on the long-term use of hormonal therapy has 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 157f40ba22

Plant hormone The word hormone is derived from Greek, meaning Plant hormones (or phytohormones) are signal molecules, produced within plants, that occur in extremely low concentrations. however in these cases they do not play a hormonal role and can better be regarded as secondary metabolites. Went and Thimann coined the term "phytohormone" and used it in the title of their 1937 book. Unlike in animals (in which hormone production is restricted to specialized glands) each plant cell is capable of producing hormones. Plant hormones control all aspects of plant growth and development, including embryogenesis, the regulation of organ size, pathogen defense, stress tolerance and reproductive development 157f40ba22

Bioidentical hormone replacement therapy Specific hormones used in BHT include estrone, estradiol, progesterone, testosterone, dehydroepiandrosterone (DHEA), and estriol. The measurement of hormone levels in the saliva is not clinically useful. 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. These 'customized' hormonal preparations have not 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. unregistered 'bioidentical hormones'; 157f40ba22

== Medical uses == 157f40ba22 Feminizing hormone therapy has been empirically shown to reduce the

distress and discomfort associated with gender... 157f40ba22

Dwarfism Growth hormone deficiency may be remedied. resulting from malnutrition or a hormonal abnormality may be treated with an appropriate diet or hormonal therapy 157f40ba22

Sex hormone-binding globulin When produced by the Sertoli cells in the seminiferous tubules of the testis, it is called androgen-binding protein (ABP). It decreases with high levels of insulin, growth hormone, insulin-like growth Sex hormone-binding globulin (SHBG) or sex steroid-binding globulin (SSBG) is a glycoprotein that binds to androgens and estrogens. enhancing and inhibiting hormonal influences and thus can be viewed as a hepatokine 157f40ba22

Testosterone and estradiol circulate in the bloodstream where 33-70% are loosely bound to serum albumin (depending on the sex and hormone), and most of the remaining is bound tightly to SHBG. Only a very small fraction of about 1 to 4% is unbound, or "free," and thus biologically active and able to enter a cell and activate its receptor. SHBG inhibits the function of these hormones. Thus, the local bioavailability of sex hormones is influenced by the level of SHBG. Because SHBG binds to testosterone (T) and dihydrotestosterone (DHT), these hormones are made less lipophilic and become concentrated within the luminal fluid of the seminiferous tubules. The higher levels of these hormones enable spermatogenesis in the seminiferous tubules and sperm maturation in the... 157f40ba22 ==
Characteristics == 157f40ba22

Prolactin Such hormonal changes may manifest as amenorrhea and infertility in females as well as. the anterior pituitary, therefore disrupting the ovulatory cycle 157f40ba22

Growth hormone therapy GH therapy has been a focus of social and ethical controversies for 50 years. In the past, growth hormone was extracted from human pituitary glands. 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. 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. Growth hormone is now produced by recombinant DNA technology and is prescribed for a variety of reasons 157f40ba22

Other steroid hormones such as progesterone, cortisol, and other corticosteroids are bound by transcortin. SHBG is found in all vertebrates apart from birds. 157f40ba22

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